APPENDIX E

AIR QUALITY

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AIR QUALITY PROTOCOL

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BOB HOPE "HOLLYWOOD BURBANK" AIRPORT PROPOSED REPLACEMENT TERMINAL PROJECT AIR QUALITY PROTOCOL

MAY 2020



RS&H

BOB HOPE "HOLLYWOOD BURBANK" AIRPORT PROPOSED REPLACEMENT TERMINAL PROJECT AIR QUALITY PROTOCOL

DRAFT
Volume No. 6
May 2020
Burbank/Los Angeles County, California

Financial Project No.: 00000
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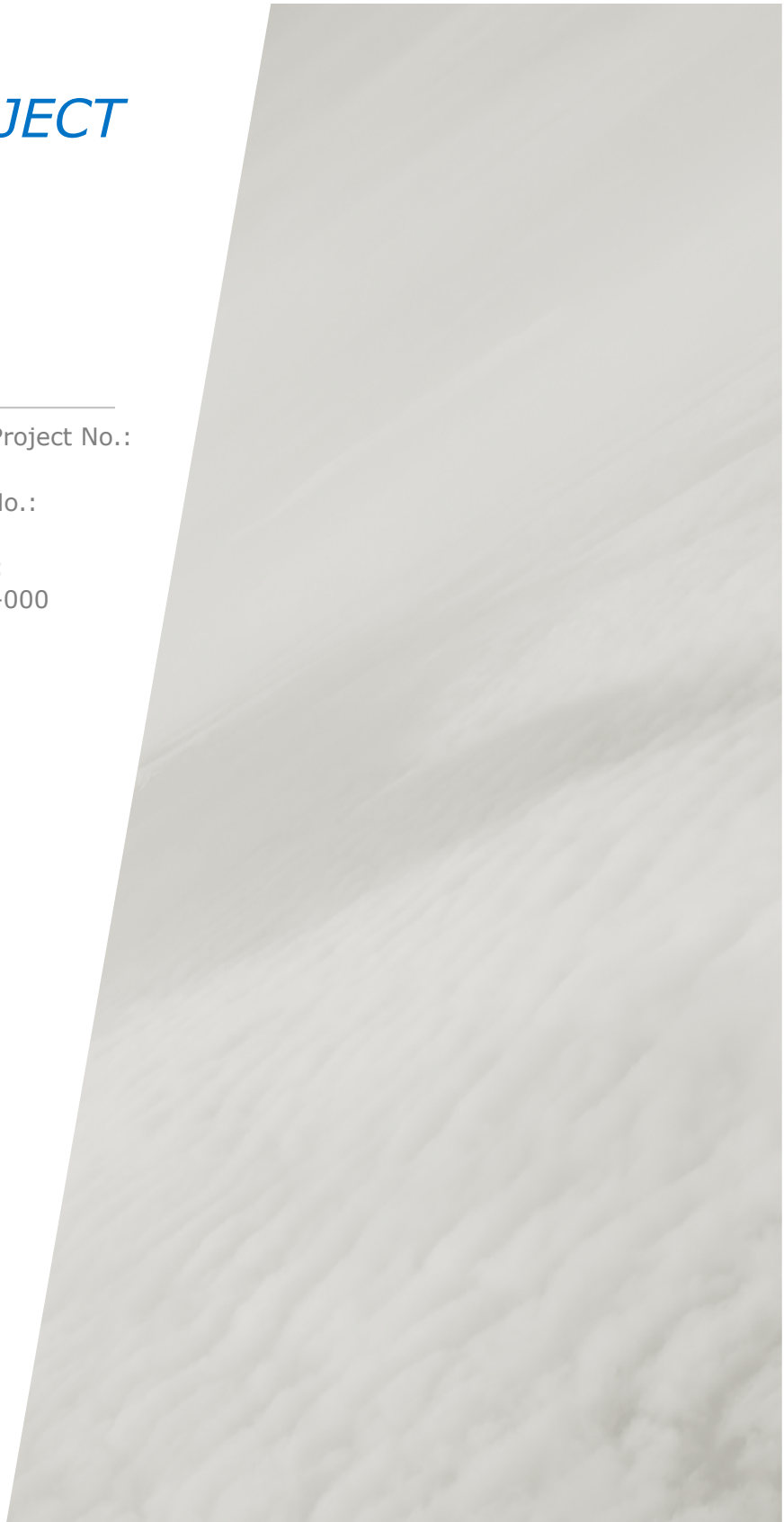


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SECTION 1: INTRODUCTION – PROJECT OVERVIEW

This section examines the purpose and need for the Proposed Action, a description of the Proposed Action, and the Alternatives to the Proposed Action.

Section 1.1: Introduction

The Proposed Action includes replacement of the existing 14-gate passenger terminal located in the southeast quadrant of the Bob Hope "Hollywood Burbank" Airport (BUR or Airport) with a new 14-gate passenger terminal in the northeast quadrant (also known as the former Lockheed B-6 Plant site) of the Airport. The existing passenger terminal would be demolished, and parallel Taxiways A and C would be extended to the ends of Runways 15-33 and 08-26, respectively.

Section 1.2: Project Overview

The purpose of the Proposed Action is to provide a passenger terminal serving the Burbank market segment that meets all current FAA standards, passenger demand, and building requirements as well as improve terminal utilization and operational efficiency. The existing airport terminal does not meet current FAA standards related to runway separation and object free areas. It is also obsolete in terms of contemporary passenger terminal design and efficient utilization standards. Further, it does not meet current building requirements.[1].

The existing passenger terminal does not meet current FAA standards. The existing passenger terminal is located within the airport's designated object free areas and penetrates the 14 C.F.R. Part 77 primary surfaces. The Proposed Action, as described below, would further enhance airport safety at BUR by meeting FAA standards consistent with the FAA Advisory Circular 150/5300-13A, Change 1, *Airport Design*, and the FAA's regulations on the Safe, Efficient Use and Preservation of the Navigable Airspace, described in, 14 C.F.R. Part 77. The proposed replacement passenger terminal would meet FAA separation standards for runways and maintain adequate Runway Object Free Area (ROFA), Taxiway Object Free Area (TOFA) and Building Restriction Line (BRL) standards.

The existing passenger terminal building site dates back to 1930 when the original central portion of the passenger terminal was constructed. The structure burned in 1966 and was subsequently rebuilt by Lockheed in the same location. The Airport

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[1] ICC. (2016). 2016 California Building Code, § 2, Volume 2, Chapter 16, *Structural Design*, Section 1613, *Earthquake Loads*. Retrieved November 2018, from International Code Council: https://codes.iccsafe.org/content/chapter/1832/?site_type=public.

was acquired by the Burbank-Glendale-Pasadena Airport Authority (Authority) in 1978 from Lockheed.

Over time, the FAA's separation design standards for runways and taxiways have changed to enhance safety, with the most recent design standards established in 2014. Currently, the existing passenger terminal building does not meet the following FAA standards:

- Portions of the existing passenger terminal as well as aircraft parked at the passenger terminal penetrate: (a) the defined Runway Object Free Area (ROFA) identified in FAA Advisory Circular 150/5300-13A, Change 1, *Airport Design*, for Runways 15-33 and 08-26; (b) the primary and transitional surfaces that protect imaginary surfaces around runways for the safe operation of aircraft, as designated in Title 14, Code of Federal Regulations (C.F.R.) Part 77 for Runway 08-26; and (c) the Building Restriction Line (BRL) identified on the FAA-approved Airport Layout Plan.

- Aircraft taxi operations routinely occur within the standard Taxiway and Taxilane Object Free Area (TOFA) due to the proximity of the existing passenger terminal building.

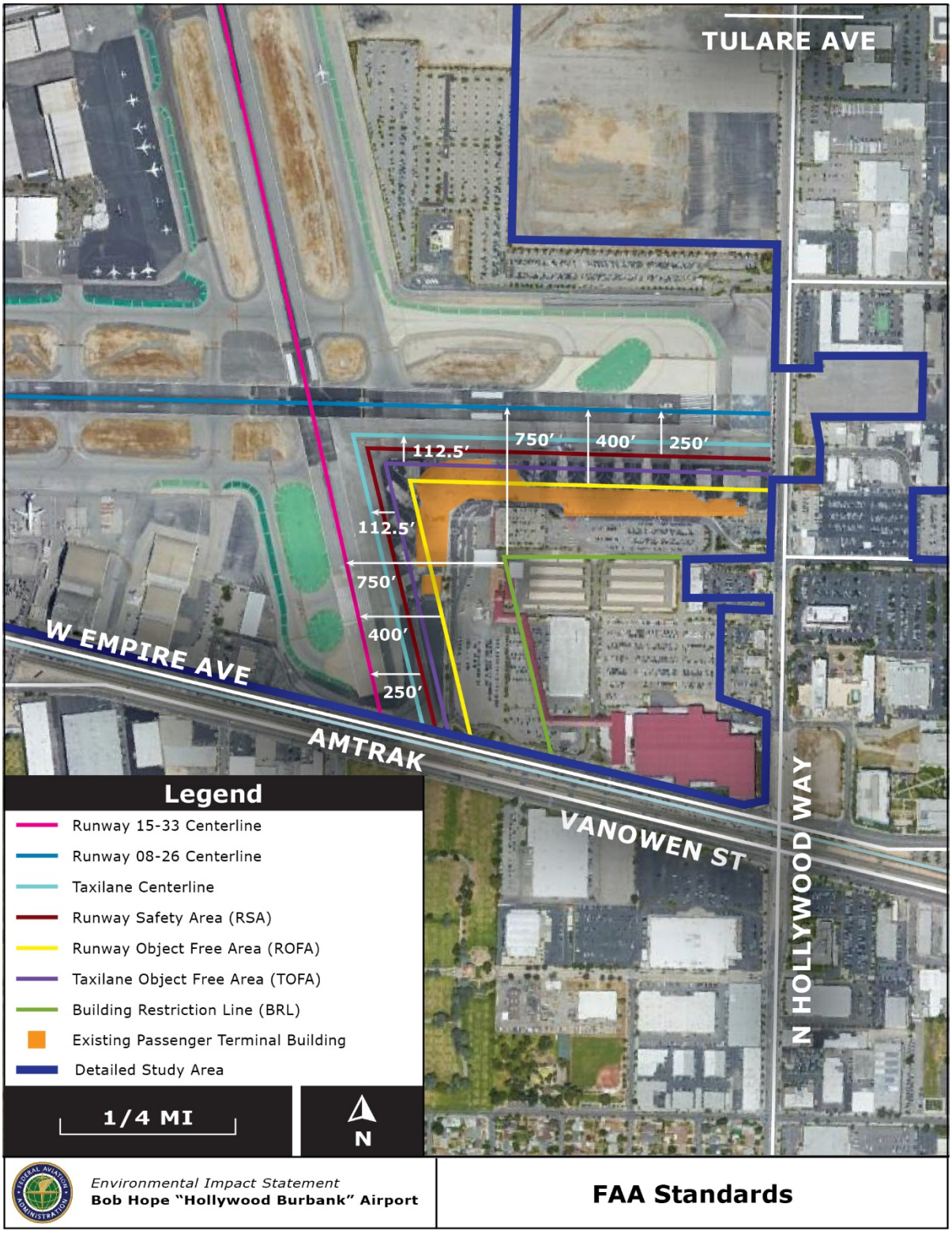
Table 1 and **Exhibit 1** show how the existing passenger terminal does not meet current FAA ROFA, TOFA, and BRL design standards.

TABLE 1
FAA STANDARDS

FAA Standard	Standard	Existing Passenger Terminal from Runway 08-26 Centerline	Existing Passenger Terminal from Runway 15-33 Centerline
Runway Object Free Area (ROFA)	400 feet/a/	About 255 feet/a/	About 375 feet/a/
Building Restriction Line (BRL)	750 feet/a/	About 255 feet/a/	About 375 feet/a/
Taxilane Object Free Area (TOFA)	112.5 feet/b/	About 85 feet/b/	About 110 feet/b/

Notes: /a/ - Distance from runway centerline.
/b/ - Distance from taxilane centerline.
Source: FAA, 2014.

EXHIBIT 1
FAA STANDARDS



Sources: Authority, 2016; RS&H, 2018.

Title 14, C.F.R. Part 77, *Safe, Efficient Use and Preservation of the Navigable Airspace*, protects the navigable airspace by requiring the FAA to receive "notice of any proposed construction or alteration of existing structures" at an airport. The FAA conducts airspace studies of proposed development and determines if temporary and/or permanent structures (i.e., obstructions) pose a hazard to navigable airspace. Imaginary surfaces are established at each airport in relation to that airport's runway approach category to protect the navigable airspace. There are five types of imaginary surfaces as defined further in 14 C.F.R. Part 77; horizontal surface, conical surface, primary surface, approach surface, and transitional surface. The existing passenger terminal building and parking structure penetrate the primary and transition surfaces of 14 C.F.R. Part 77 (see **Exhibits 2** and **3**).

An additional safety concern is the amount of runway crossings an aircraft must make when taxiing to take-off or taxiing after landing. FAA standard practice is to reduce or limit the amount of runway crossings a taxiing aircraft must make to reduce the opportunity for incursions on the airfield and maintain operational airfield capacity.[2] To do so, the FAA recommends avoiding intersections in the middle third of runways, known as "high energy" intersections, keeping runway crossings to the outer third of runways. The location of the existing passenger terminal at the Airport limits the number of runway crossings for taxiing aircraft, in accordance with FAA practice. Therefore, a replacement passenger terminal's location should avoid resulting in the need to perform additional runway crossings.[3]

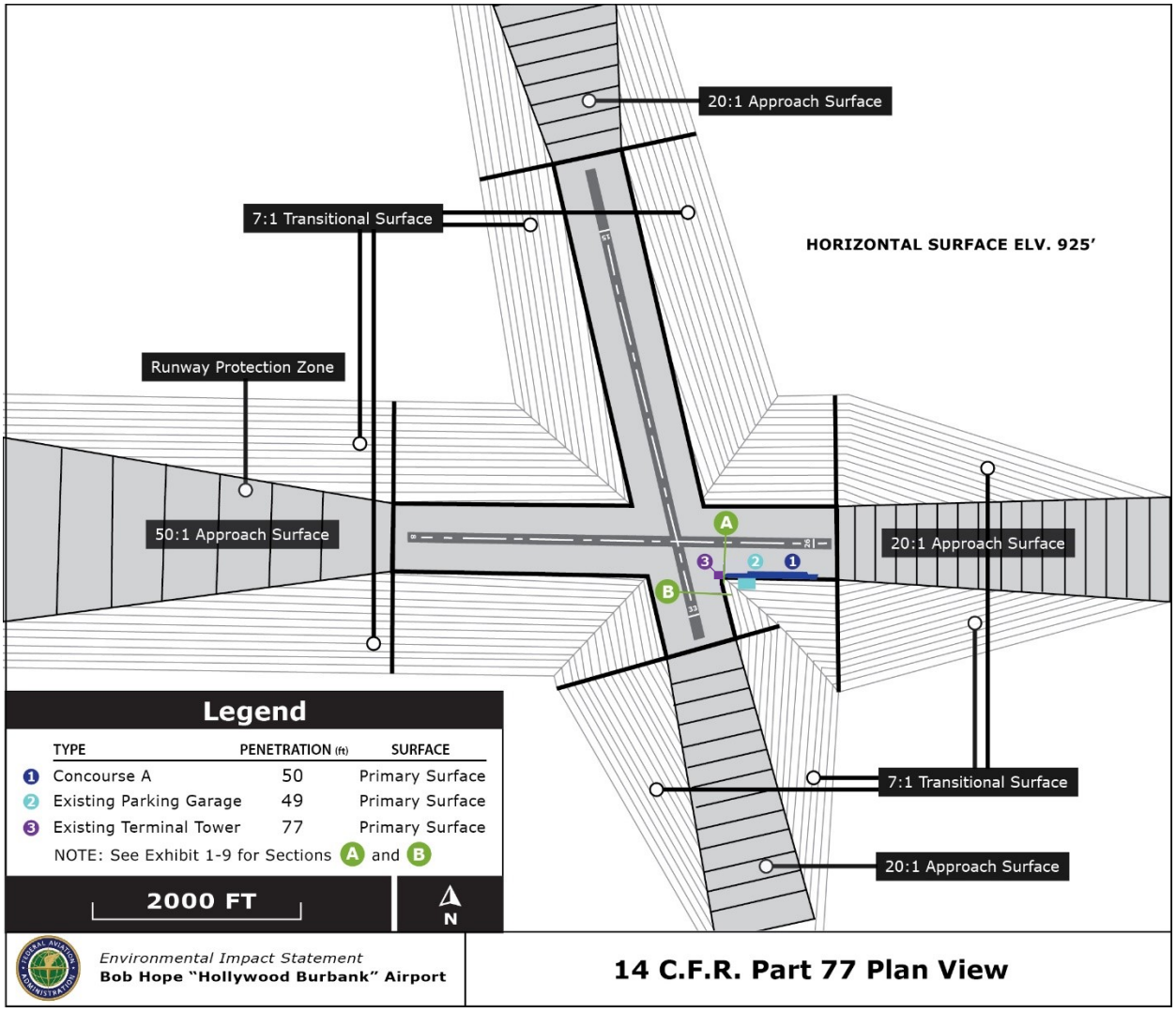
The purpose of the Proposed Action is to provide a passenger terminal serving the Burbank market segment that meets all current FAA standards, passenger demand, and building requirements, as well as improve terminal utilization and operational efficiency. The Proposed Action, as described below, would enhance airport safety at BUR by meeting FAA standards consistent with the FAA Advisory Circular 150/5300-13A, Change 1, *Airport Design*, and the FAA's regulations on the Safe, Efficient Use and Preservation of the Navigable Airspace, described in, 14 C.F.R. Part 77. The proposed replacement passenger terminal would be properly separated from the runways and maintain adequate ROFA, TOFA and BRL standards.

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[2] FAA. (2014). Federal Aviation Administration Advisory Circular (AC) 150/5300-13A, Change 1, *Airport Design*. February 26, 2014.

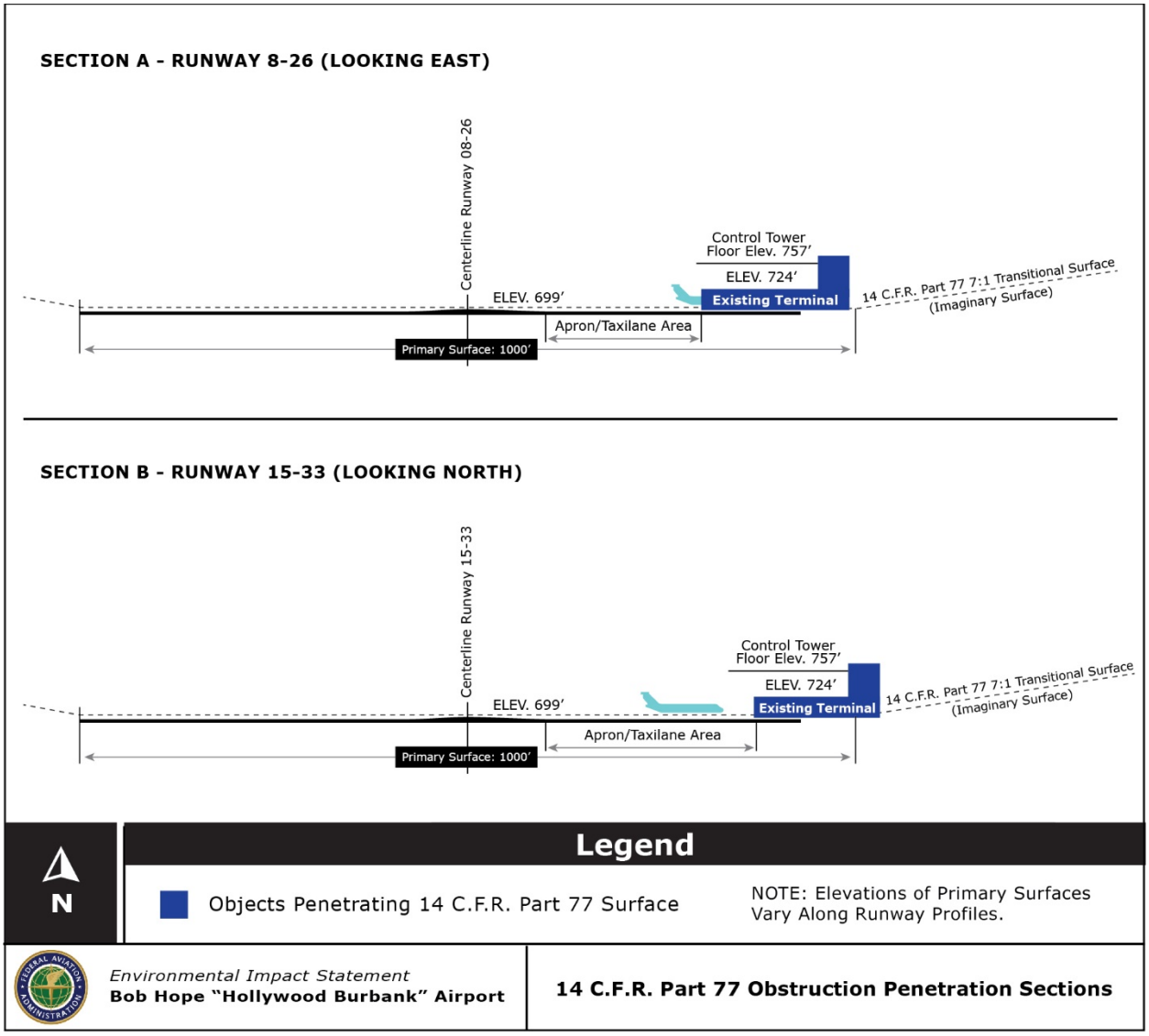
[3] FAA. (2014). Federal Aviation Administration Advisory Circular (AC) 150/5300-13A, Change 1, *Airport Design*. Section 401(5) C and D. February 26, 2014.

EXHIBIT 2
14 C.F.R. PART 77 PLAN VIEW OF BUR



Source: FAA, 1995; RS&H, 2018.

EXHIBIT 3
14 C.F.R. PART 77 OBSTRUCTION PENETRATION SECTIONS



Source: FAA, 1995; RS&H, 2018.

Moreover, like the existing passenger terminal, the proposed replacement passenger terminal and associated facilities would provide adequate space and facilities to meet the current passenger demand at the airport and the future anticipated increases in passengers.[4] The Authority's specific objectives to meet the goal of modernizing the passenger terminal and to meet the expectations of the current and future travelling public are to:

- Have a replacement passenger terminal that meets Americans with Disabilities Act standards, as well as the latest seismic (earthquake) design requirements of California Building Code
- Have a replacement passenger terminal that consolidates air facilities (including passenger, tenant, and Authority facilities) into a single passenger terminal building
- Provide an energy-efficient passenger terminal with the same number of aircraft gates and the same number of public parking spaces for commercial passengers
- Maintain intermodal connectivity between the replacement passenger terminal and the various fixed-rail and bus options located near the Airport

Section 1.3: Proposed Action

The Proposed Action shown on **Exhibits 4** and **5** includes the following project components:

1. **Construction of a replacement passenger terminal building:** The 355,000-square-foot replacement passenger terminal would have 14 gates and would meet FAA standards. The replacement passenger terminal would be developed in accordance with modern passenger terminal design standards to provide enhanced passenger amenities, security screening facilities that meet the latest Transportation Security Administration (TSA) requirements and adequate space for other airport facilities including holdrooms, baggage claim areas, and public areas that are designed for the aircraft that airlines routinely operate. Additionally, the replacement

[4] The proposed replacement passenger terminal at BUR does not include an increase in the number of gates at BUR or the number of or length of runways, because BUR is not capacity constrained. The Airport currently operates well below the level of enplanements and operations it accommodated in 2006-2008 (pre the Great recession) and the levels of activity experienced in 2006-2008 are not projected to occur again at the Airport uring the study period whether or not the project is built. As a result, because there is no change in the length of the runways at BUR, no change in type of aircraft operated at BUR is anticipated.

passenger terminal would be designed to meet California Building Code seismic design standards for a new building.[5]

2. **Construction of a 45,900-square-yard aircraft ramp:** The aircraft ramp would accommodate 14 aircraft. The critical aircraft at BUR, which is the Boeing 737-900, would not change as a result of the replacement passenger terminal.

3. **Construction of replacement employee automobile parking:** About 200 spaces would be provided for employee parking in a surface parking lot north of the proposed replacement passenger terminal. Additional employee parking would be provided by converting existing public parking facilities in the Southeast Quadrant to employee parking.

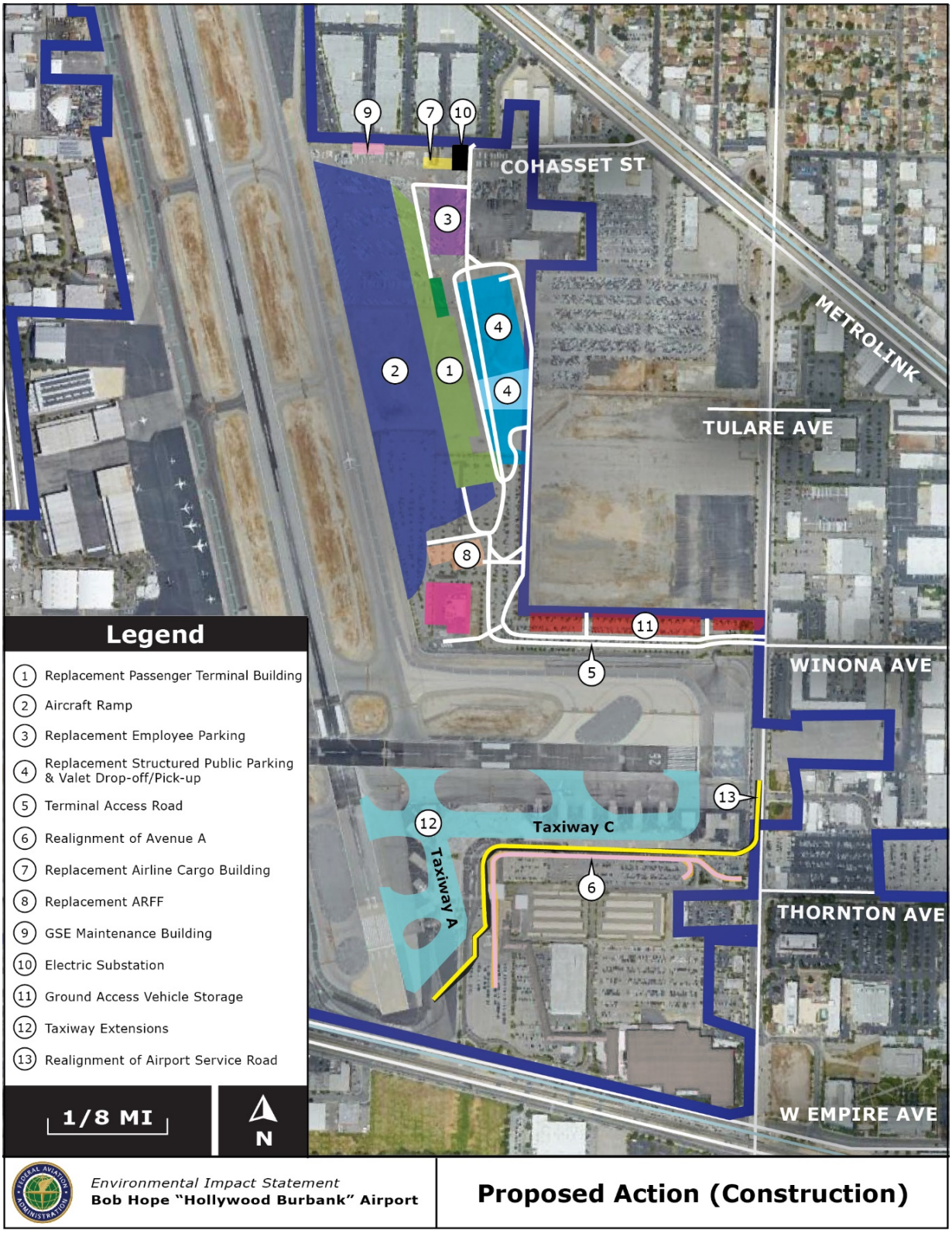
4. **Construction of a public automobile parking structure:** The public automobile parking structure would be at least five levels, but not more than seven levels, and would include a valet drop-off and pickup area. The total number of public parking spaces at the Airport would not exceed 6,637 spaces, per the Conceptual Term Sheet agreed upon by the Authority and the City of Burbank.[6] The 6,637 parking spaces is consistent with the current number of parking spaces that exists at the Airport.

5. **Construction of a new passenger terminal access road:** A new multi-lane road extending from the intersection of North Hollywood Way and Winona Avenue would be constructed. This road would loop around the proposed parking structures to provide vehicle access to the replacement passenger terminal and parking structures, thus allowing curb-front access to the passenger terminal and recirculation around the Airport. A secondary point of access would connect the passenger terminal access road with Cohasset Street and Lockheed Dive, providing access to San Fernando Road.

[5] International Code Council. (2016). California Building Code, Chapter 16 – *Structural Design*. Retrieved October 2018, from International Code Council: https://codes.iccsafe.org/content/chapter/1832/?site_type=public.

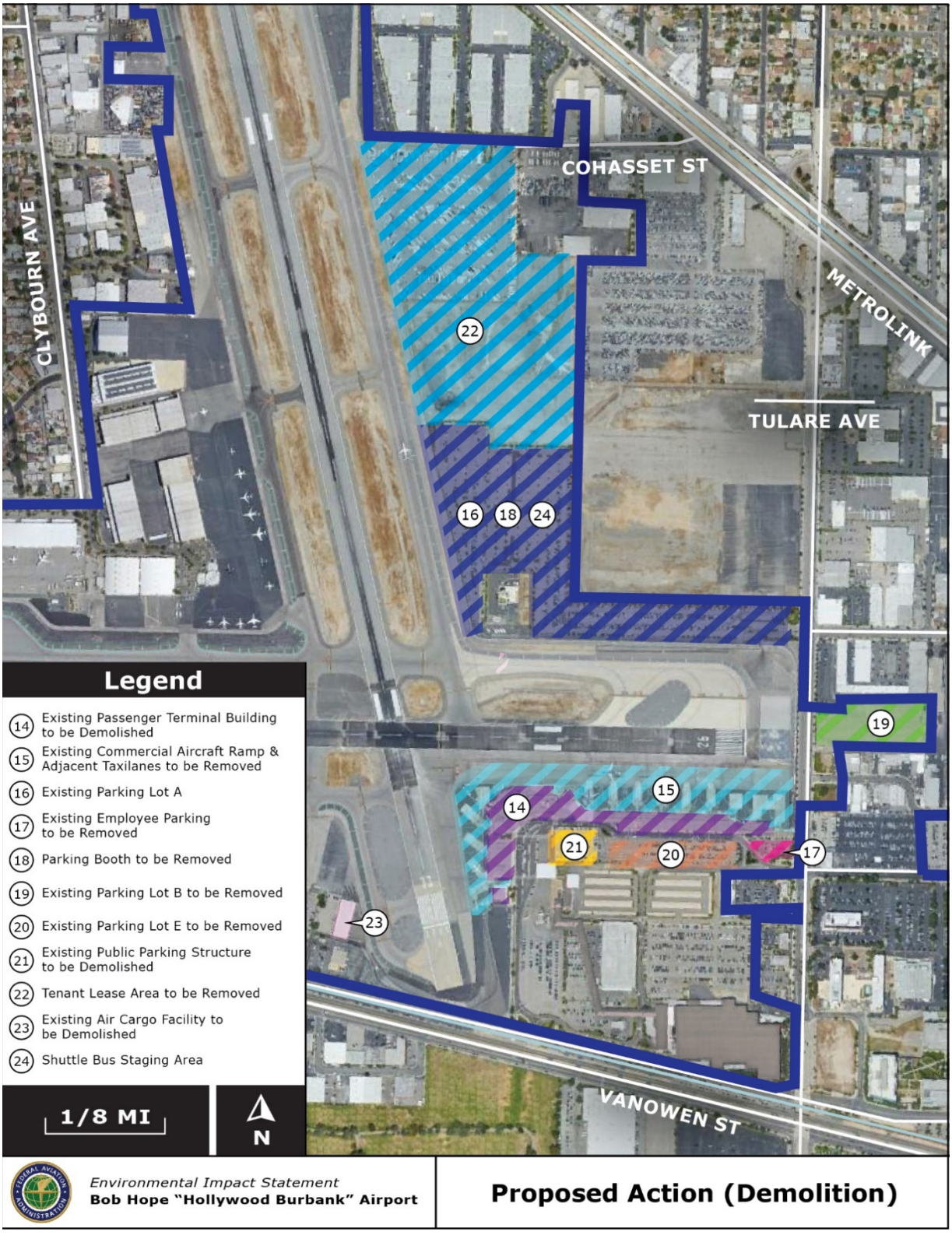
[6] City of Burbank, Bob Hope Airport Replacement Terminal Conceptual Term Sheet, November 8, 2016.

EXHIBIT 4
PROPOSED ACTION CONSTRUCTION



Sources: Authority, 2016; RS&H, 2018.

EXHIBIT 5
PROPOSED ACTION DEMOLITION



Sources: Authority, 2016; RS&H, 2018.

6. **Realignment of Avenue A:** Avenue A, the existing passenger terminal loop road in the southeast quadrant of the Airport would be realigned. The east-west segment of Avenue A would be shifted to the south to permit the extension of Taxiway C, and the north-south segment of Avenue A would be shifted to the east to permit the extension of Taxiway A. The realigned Avenue A would continue to provide access to the Regional Intermodal Transportation Center and long-term parking in the southeast quadrant of the Airport.

7. **Construction of replacement airline cargo building:** An 8,000-square-foot replacement airline cargo building would be constructed adjacent to the north of the replacement passenger terminal building.

8. **Construction of replacement Aircraft Rescue and Firefighting (ARFF) station:** The existing ARFF station is in a hangar in the northwest quadrant of the Airport. A new ARFF station would be constructed south of the replacement passenger terminal, and existing ARFF operations would be relocated. Vehicle access to the new ARFF station would be provided via the new passenger terminal access road. The existing ARFF hangar in the northwest quadrant of the Airport would become available for general aviation uses.

9. **Construction of a ground-service equipment (GSE) and passenger terminal maintenance building:** A new 8,000-square-foot GSE and passenger terminal maintenance building would be constructed adjacent to the north of the replacement passenger terminal building just south of Cohasset Street. About 2,000 square feet would be used for equipment and tool storage in addition to office space for maintenance staff.

10. **Construction of a central utility plant:** A new central utility plant would be constructed adjacent to the north of the replacement passenger terminal building in an area just south of Cohasset Street.

11. **Construction of ground access vehicle storage and staging:** A ground access vehicle storage and staging area for taxis, shared vans, and transportation network companies (e.g., Uber, Lyft, etc.) would be constructed on the north side of the new passenger terminal access road west of the North Hollywood Way / Winona Avenue entrance.

12. **Taxiway A and Taxiway C Extensions:** Taxiway A would be extended from Runway 08-26 south to the Runway 33 threshold, and Taxiway C would be extended between Taxiway G and the Runway 26 threshold. Thus, both Taxiways A and C would be extended to provide full-length parallel taxiways.

13. **Realignment of the Airport service road:** The Airport service road in the southeast quadrant of the Airport would be relocated.

14. **Demolition of passenger terminal building:** The existing 232,000-square-foot passenger terminal would be closed and demolished upon completion of the replacement passenger terminal building.

15. **Removal of commercial aircraft ramp and adjacent taxilanes:** The existing commercial aircraft ramp and adjacent taxilanes would be demolished.

16. **Removal of parking booth:** The existing parking booth would be removed to allow for vehicle storage and staging.

17. **Removal of employee parking lot:** The existing employee surface parking lot in the southeast quadrant would be removed.

18. **Removal of Parking Lot A:** Existing Parking Lot A would be closed and all structures would be removed.

19. **Removal of Parking Lot B:** Existing Parking Lot B would be closed and all structures within Parking Lot B would be removed.

20. **Removal of Parking Lot E:** Existing Parking Lot E would be closed and all structures within Parking Lot E would be removed.

21. **Removal of public parking structure:** The existing public parking structure adjacent to the existing passenger terminal would be demolished.

22. **Removal of tenant lease area:** The existing pavement for the tenant-leased property would be removed to allow for the development of the replacement passenger terminal building.

23. **Demolition of airline cargo and GSE maintenance building and associated pavement:** The existing 16,000-square-foot airline cargo and GSE maintenance building would be demolished.

24. **Demolition of shuttle bus dispatch office and staging area:** The existing shuttle bus dispatch office and staging area would be demolished.

The only two alternatives considered in this air quality protocol, the EIS, and the air quality analysis are the alternatives of No Action and the Proposed Action.

SECTION 2: REGULATORY SETTING

This section provides information pertaining to regulatory conditions in the project area, which includes the South Coast Air Basin (SoCAB). For example, this includes information on attainment/nonattainment designations, and applicable regulatory criteria and/or thresholds that will be applied to the results of the air quality assessment.

Section 2.1: Federal

The United States Environmental Protection Agency (EPA) has established National Ambient Air Quality Standards (NAAQS) for the following criteria pollutants: carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO_2), ozone (O_3) and its precursors such as oxides of nitrogen (NO_x) and volatile organic compounds (VOCs), particulate matter (PM_{10} and $PM_{2.5}$), and sulfur dioxide (SO_2). In complying with the National Environmental Policy Act (NEPA), the FAA must determine if a Federal Action would cause criteria pollutant concentrations to exceed the NAAQS.

FAA will evaluate if the emissions caused by the proposed Project would result in a significant impact under the FAA's NEPA threshold (discussed in Section 3.2 below). The same evaluation will be used to determine whether the proposed program conforms with the State Implementation Plan (SIP) under the Clean Air Act conformity requirements (see Section 3 of this Protocol).

Exhibit 4-1 of the FAA's *1050.1F Desk Reference* provides the FAA's significance thresholds for air quality:

> *"The action would cause pollutant concentrations to exceed one or more of the [NAAQS], as established by the [EPA] under the [CAA], for any of the time periods analyzed, or to increase the frequency or severity of any such existing violations."*

The Council on Environmental Quality (CEQ) affirmed that NEPA and its implementing regulations (40 CFR 1500 et. seq.) apply to greenhouse gases (GHGs) and climate change. GHGs include carbon dioxide (CO_2), methane (CH_4), nitrogen dioxide (NO_2), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). Despite this guidance, there are no significance thresholds associated with GHGs. CEQ instructs Federal agencies to disclose a project's contribution to GHGs in a study area although the need to disclose such emissions for General Conformity purposes does not exist.

Section 2.2: State of California

The Clean Air Act (CAA) allows states to adopt air quality regulations and standards provided they are at least as stringent as the NAAQS. The California Air Resources Board (CARB) was tasked with establishing the California Ambient Air Quality Standards (CAAQS) via the California Clean Air Act of 1988 (CCAA). This motion established CAAQS for pollutants not covered in the NAAQS including sulfates, H_2S, vinyl chloride, and visibility-reducing particles.

Like NAAQS, geographic areas that do not meet the CAAQS are called "nonattainment areas." The CARB is responsible for enforcing regulations to achieve and maintain the NAAQS and CAAQS. The CARB is responsible for reviewing operations and programs in local air districts and requires each air district with jurisdiction over a nonattainment area to develop a strategy for achieving the NAAQS and CAAQS. The local air district, in this case the South Coast Air Quality Management District (SCAQMD), is responsible for the development, implementation, and enforcement of rules and regulations designed to attain the NAAQS and CAAQS in the SoCAB.

Section 2.2.1: South Coast Air Quality Management District (SCAQMD)

SCAQMD is the air pollution control agency with jurisdiction over Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin (the Basin) is a sub-region of SCAQMD's jurisdiction. While air quality in this area has improved substantially over the years, the South Coast Air Basin requires continued diligence to meet federal and state air quality standards.

The SCAQMD is responsible for administering the Air Quality Management Plans (AQMPs) for the Basin. Since 1997, the SCAQMD has adopted a series of AQMPs to meet the CAAQS and NAAQS. Each iteration of the Plan is an update from the previous version to outline a strategy meeting federal requirements while incorporating the latest technical planning information. Plans directly applicable to the project area include the Final 2012 Air Quality Management Plan, which is the currently approved State Implementation Plan (SIP).

The SCAQMD works with CARB to develop and implement Facility-Based Mobile Source Measures (FBMSMs) aimed at reducing emissions from indirect sources (i.e., the emissions from mobile sources operating within facilities including ground support equipment, construction equipment, medium-duty, heavy-duty vehicles, shuttles and buses, passenger vehicles). Five FBMSMs were incorporated into the Final 2016 AQMP, including measures for commercial airports. On May 4, 2018, the SCAQMD governing board decided that, in lieu of requiring an Independent Source

Rule for commercial airport facilities in the South Coast Air Basin, the district would execute a Memorandum of Understanding (MOU) with each of the five major commercial airports in the basin to facilitate reductions in air emissions and to help the district reach its attainment goals in the SIP.[7]

The SCAQMD requested that the Authority develop an Air Quality Improvement Plan (AQIP) and enter into an MOU with the air district by October 2019. In September 2019, the Authority submitted their voluntary AQIP to the SCAQMD which outlined the Authority's strategies to reduce mobile emissions at the Airport. The AQIP was developed specifically as it relates to SCAQMD's Measure MOB-04 from the 2016 AQMP. The AQIP includes the following programs: Ground Support Equipment (GSE) Emissions Policy, a Clean Construction Policy, Authority-Owned Clean Fleet, Electrical Charging Infrastructure, Burbank-Metrolink Shuttle Connection Program, Burbank Airport Employee Ride Share Policy, and Electric Bus Policy.[8]

The AQIP establishes targets for 2023 and 2031 with regard to the GSE Emissions Policy. The Authority will achieve an airport average composite emission factor for its GSE fleet which is equal to or less than 1.92 grams per horsepower-hour of hydrocarbons plus nitrogen oxides (g/hp-h of HC plus NOx) by January 1, 2023, and 0.82 g/hp-h of HC plus NOx by January 1, 2031. GSE operators are to maintain In-Use Off-Road Diesel (ORD), Large spark-ignition (LSI) engines, and Portable Engine Airborne Toxic Control Measure (ATCM) data as required by CARB regulations. In the event that an annual emission target is not achieved by a fleet owner, alternative compliance strategies such as application of Best Available Control Technology (BACT) and vehicle "turnover" (i.e., vehicle retirement, conversion to "low-use," repowering , or rebuilding engines to comply with more stringent emission limits). The Authority may adopt CARB alternative compliance strategies when evaluating a GSE operator's status and efforts towards achieving the 2023 and 2031 emission targets.

Starting in 2020 the Authority will require all Capital Improvement Projects (CIP) contractors to submit clean construction plans and comply with the following requirements:

- On-road medium-duty and larger diesel-powered trucks with a gross vehicle

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[7] South Coast Air Quality Management District. (2019). Commercial Airports MOUs. Retrieved September 2019, from South Coast Air Quality Management District: http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/commercial-airports-mous

[8] South Coast Air Quality Management District. September 2019. Hollywood Burbank Airport Air Quality Improvement Plan. Available at http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/commercial-airports-mous

weight rating of at least 14,001 pounds shall comply with USEPA 2010 on-road emissions standards for PM10 and NOx. Contractor shall be required to utilize such on-road haul trucks or the next cleanest vehicle.

- All off-road diesel-powered construction equipment greater than 50 horsepower shall meet, at a minimum, USEPA Tier 4 (final) off-road emissions standards. Contractor shall be required to utilize Tier 4 (final) equipment or next cleanest equipment available. Contractor's fleet must achieve 90% Tier 4 Final and 10% Tier 4 Interim by 2023 and 100% Tier 4 Final by 2031.
- The on-road haul truck and off-road construction equipment requirements shall apply unless securing is deemed infeasible by the Authority, and contractor provides a written finding consistent with project contract requirements.
- All diesel-fueled equipment will be outfitted with best available emissions control devices where technologically feasible; applies to off-road equipment (such as construction machinery), diesel-fueled on-road vehicles (such as trucks), and stationary diesel-fueled engines (such as electric generators).
- Contractor shall utilize grid-based electric power at the construction site where feasible. If diesel- or gasoline-fueled generators are necessary, generators using "clean burning diesel" fuel and exhaust emission controls shall be utilized.
- Rock-crushing operations and construction material stockpiles shall be located away from airport adjacent residents.
- Contractor shall designate a person or persons to monitor construction-related measures through direct inspections, record reviews, and investigations of complaints.

The Authority has committed to operating a clean vehicle fleet, and securing emission reductions. The Clean Fleet Program Policy covers Authority-owned vehicles, except those used for safety purposes, such as police and fire vehicles. The Authority will voluntarily increase purchase of electric vehicles (EV) Sedans, Medium-Duty Vehicles, and Heavy-Duty Vehicles, and commit that all new sedan purchases to be EV starting in 2021 and convert all sedan fleets to be EV by 2023. The Authority will also voluntarily increase the medium- and heavy-duty fleets with the goal of achieving 50% EV by 2031. The Airport Shuttle Bus Fleet, owned and operated by the Authority, is to be at least 50% electric by 2023, and 100% electric by 2031.

The Authority will increase the availability of electric vehicle chargers in its existing and future parking structures and parking areas. All new parking structures will voluntarily increase electric vehicle chargers to achieve 5% of total parking inventory based on regulatory ability and available power capacity from the City of Burbank. By 2031 EV charging stations will increase to 5% of total parking inventory.

The Authority will continue to support the Burbank-Metrolink Shuttle Connection Program. The program encourages employees and air passengers to take the Metrolink train to and from the Airport. The Authoritywill strive to achieve increased transit ridership through 2023 and 2031.

Under the Burbank Airport Employee Ride Share Policy the Authority will continue to participate and join the Burbank Transportation Management Organization (BTMO). Participation in the BTMO will help to reduce employee trips through increased employee rideshare, transit use and alternative mode share, with the goal of increasing employee rideshare.

Section 2.2.2: Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the Metropolitan Planning Organization (MPO) representing six counties, including Los Angeles, and serving as a forum for the discussion of various planning and policy initiatives. As the federally designated MPO for the southern California region, SCAG is mandated by the federal government to research and develop plans for transportation, hazardous waste management, growth management, and air quality. Under the federal CAA, SCAG is also responsible for determining conformity of transportation projects, plans, and programs with applicable air quality plans.

Section 2.2.3: Greenhouse Gases

The climate change regulatory setting – international, federal, state, and local – is complex and rapidly evolving. The U.S. EPA is responsible for implementing federal policies to address greenhouse gases (GHGs). The federal government administers a wide array of public-private partnerships to reduce the quantity of GHGs generated in the United States. The USEPA has published endangerment findings for greenhouse gases indicating that emissions of GHGs from new motor vehicles and certain aircraft contribute to air pollution that endangers the public health and welfare under the CAA, Section 202(a). A number of California statutes, policies and regulations have been promulgated to reduce the growth in GHG emissions. These documents will be discussed in the EIS, and the EIS will describe the resulting Project-related greenhouse gas emissions in the context of these State and local policies. Consistent with FAA's Aviation Emissions and Air Quality

Handbook, FAA proposes to develop a GHG inventory since a criteria pollutant inventory is being prepared. Therefore, this NEPA Air Quality Protocol discusses the process that will be used to prepare a GHG inventory.

Section 2.3: Attainment Status

The Airport is located in Los Angeles County, within the SoCAB. The NAAQS and CAAQS attainment status for the SoCAB is presented in **Table 2**.

Section 2.4: Thresholds of Significance

Exhibit 4-1 of FAA Order 1050.1F provides the FAA's significance threshold for air quality, which states, "The action would cause pollutant concentrations to exceed one or more of the National Ambient Air Quality Standards (NAAQS), as established by the U.S. Environmental Protection Agency (USEPA) under the Clean Air Act (CAA), for any of the time periods analyzed, or to increase the frequency or severity of any such existing violations." The FAA has not established a significance threshold for Climate.

TABLE 2
NAAQS, CAAQS, AND SOUTH COAST AIR BASIN ATTAINMENT STATUS

Criteria Pollutant	Standard	Averaging Time	Designation[/a/]	Attainment Date[/b/]
1-Hour Ozone	NAAQS	1979 1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 Originally 11/15/2010 (not attained)[/c/]
	CAAQS	1-Hour (0.09 ppm)	Nonattainment	N/A
8-Hour Ozone[/d/]	NAAQS	1997 8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024
	NAAQS	2008 8-Hour (0.075 ppm)	Nonattainment (Extreme)	7/20/2032
	NAAQS	2015 8-Hour (0.070 ppm)	Nonattainment (Extreme)	8/3/2038
	CAAQS	8-Hour (0.070 ppm)	Nonattainment	Beyond 2032
Carbon Monoxide (CO)	NAAQS	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (attained)
	CAAQS	1-Hour (20 ppm) 8-Hour (9 ppm)	Attainment	6/11/2007 (attained)
Nitrogen Dioxide (NO_2[/e/])	NAAQS	1-Hour (0.10 ppm)	Unclassifiable/Attainment	N/A (attained)
	NAAQS	Annual (0.053 ppm)	Attainment (Maintenance)	9/22/1998 (attained)
	CAAQS	1-Hour (0.18 ppm) Annual (0.030 ppm)	Attainment	---
Sulfur Dioxide (SO_2[/f/])	NAAQS	1-Hour (75 ppb)	Designations Pending (expect Uncl./Attainment)	N/A (attained)
	NAAQS	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/Attainment	3/19/1979 (attained)
Respirable Particulate Matter (PM_{10})	NAAQS	1987 24-hour (150 $\mu g/m^3$)	Attainment (Maintenance) [/g/]	7/26/2013 (attained)
	CAAQS	24-hour (50 $\mu g/m^3$) Annual (20 $\mu g/m^3$)	Nonattainment	N/A
Fine Particulate Matter ($PM_{2.5}$[/h/])	NAAQS	2006 24-Hour (35 $\mu g/m^3$)	Nonattainment (Serious)	12/31/2019
	NAAQS	1997 Annual (15.0 $\mu g/m^3$)	Attainment	8/24/2016
	NAAQS	2012 Annual (12.0 $\mu g/m^3$)	Nonattainment (Serious)	12/31/2025
	CAAQS	Annual (12.0 $\mu g/m^3$)	Nonattainment	N/A
Lead Pb	NAAQS	3-Months Rolling (0.15 $\mu g/m^3$)	Nonattainment (Partial) [/i/]	12/31/2015
H_2S	CAAQS	1-Hour (0.03 ppm/42 $\mu g/m^3$)	Attainment	---
Sulfates	CAAQS	24-Hour (25 $\mu g/m^3$)	Attainment	---
Vinyl Chloride	CAAQS	24-Hour (0.01 ppm/26 $\mu g/m^3$)	Attainment	---

Source: EPA Greenbook, 2018; South Coast Air Basin, 2018

Notes:

a) U.S. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassifiable/Attainment or Unclassifiable.

b) A design value below the NAAQS for data through the full year or smog season prior to the attainment date is typically required for attainment demonstration.

c) 1-hour O_3 standard (0.12 ppm) was revoked, effective June 15, 2005; however, the Basin has not attained this standard based on 2008-2010 data and is still subject to anti-backsliding requirements.

d)1997 8-hour O_3 standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the revoked 1997 O_3 standard is still subject to anti-backsliding requirements.

e) New NO_2 1-hour standard, effective August 2, 2010; attainment designations January 20, 2012; annual NO_2 standard retained.

f) The 1971 annual and 24-hour SO_2 standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO_2 1-

hour standard. EPA designated all of California in attainment with the SO_2 NAAQS, effective April 9, 2018 (83 FR 1098, January 9, 2018).
g) Annual PM_{10} standard was revoked, effective December 18, 2006; 24-hour PM_{10} NAAQS deadline was 12/31/2006; SCAQMD request for attainment redesignation and PM_{10} maintenance plan was approved by U.S. EPA on June 26, 2013, effective July 26, 2013.
h) Attainment deadline for the 2006 24-Hour $PM_{2.5}$ NAAQS (designation effective December 14, 2009) is December 31, 2019 (end of the 10th calendar year after effective date of designations for Serious nonattainment areas). Annual $PM_{2.5}$ standard was revised on January 15, 2013, effective March 18, 2013, from 15 to 12 µg/m3. Designations effective April 15, 2015, so Serious area attainment deadline is December 31, 2025.
i) Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors. Expect resignation to attainment based on current monitoring data.

SECTION 3: NEPA AIR QUALITY PROTOCOL

This section describes the overall approach, specific methodologies, models, data sources, assumptions, and other supporting information that will be used in conducting the air quality assessment. Emissions from all sources examined below will be estimated for the No Action Alternative and the Proposed Action. The Study Area for air quality is the SoCAB, shown in **Exhibit 6**.

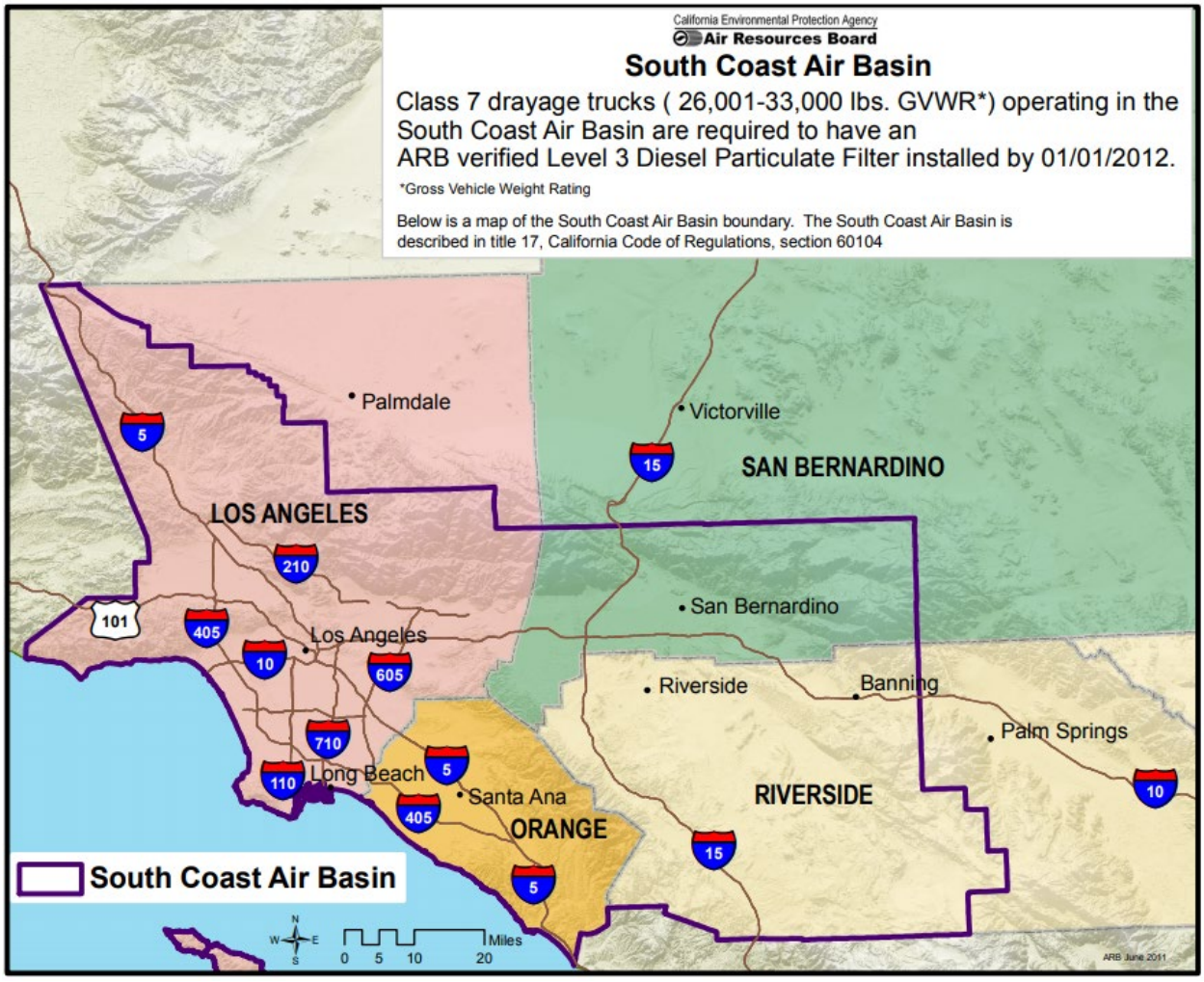
This section discusses the overall approach to the EIS air quality analysis, including scenarios and years to be reviewed, types of analyses to be performed, pollutants to be considered, and cumulative impacts. Overall, the air quality study will include the emissions and dispersion of criteria air pollutants for the air quality impact analysis (AQIA). An emissions inventory of greenhouse gases (GHGs) and hazardous air pollutants (HAPs) will also be prepared.

The construction and operational emissions data, including any new stationary sources, will be used to determine whether the proposed program conforms with the State Implementation Plan (SIP) under the Clean Air Act conformity requirements (see Section 3 of this Protocol).

Section 3.1: Scenarios/Analysis Years

Year 2018 will be used as the existing condition for the EIS because it portrays the most recent complete year of available data when the study commenced. The air quality analysis performed for the Bob Hope "Hollywood Burbank" Airport Replacement Terminal EIS will address construction-related impacts for the approximately 5 years of proposed construction activities and operations for the future year of 2024. The construction of the Replacement Terminal and Parking Structures (Phase 1) will be completed in 2024 and will be the first year of operation of the Proposed Action. An entire year of operational emissions will be assumed. Phase 2 of the Proposed Action would include demolition of the existing terminal, paving of the taxiway, and construction of the Aircraft Rescue and Fire Fighting Station. Phase 2 is expected to be completed in 2026. A year 2024 analysis will consider the operational effects of Phase 1, since it will be assumed to be the first full year of operations and will also include any overlapping construction activities of Phase 2. A future year analysis of 2029 will consider operational emissions only five years after completion of the Proposed Action, and will include a cumulative impact evaluation of other projects that may be undertaken by the Authority and other regional projects nearby the Airport.

EXHIBIT 6
SOUTH COAST BASIN – AIR QUALITY STUDY AREA



Source: California Environmental Protection Agency – Air Resources Board

Analysis for the following years and conditions will be conducted in the EIS:

Operational Analysis:

- 2018 Existing Conditions
- Future 2024
  - No Action – existing Airport facilities with regional and Airport activity levels associated with 2024.
  - Proposed Action and any other alternatives carried forward for detailed consideration in the EIS, including Phase 1 of the Bob Hope "Hollywood Burbank" Airport Replacement Terminal with 2024 regional and Airport activity levels.
- Future 2029

- No Action – existing Airport facilities with regional and Airport activity levels associated with 2029.
- Proposed Action and any other alternatives carried forward for detailed consideration in the EIS, including Phase 1 of the Bob Hope "Hollywood Burbank" Airport Replacement Terminal operations and Phase 2 construction elements, as well as 2029 regional and Airport activity levels.
- Cumulative Impacts – to review and analyze the air quality effects of the Bob Hope "Hollywood Burbank" Airport Replacement Terminal and the estimated impacts of any other Authority projects and other regional projects nearby the Airport, as applicable.

Construction Analysis

- The construction analysis will include all years during construction activities from 2021 to 2026 as detailed in **Table 3**.

TABLE 3
CONSTRUCTION SCHEDULE

Project Component	Schedule (updated)
Close Parking Lot A	2021
Construct Replacement Terminal and Parking Structures	2021-2024
Construct Aircraft Rescue and Fire Fighting Station	2023-2025
Construct Ground Service Equipment Maintenance Building and Air Cargo Building	2024
Demolish Existing Terminal and Parking Structure	2024
Close Parking Lots B and E	2024
Relocate Perimeter Service Road and Security Fence	2025
Extend Taxiways A and C	2025-2026

Source: Burbank-Glendale-Pasadena Airport Authority

Section 3.2: Operational Sources - Aircraft, GSE, and GAV

The 1050.1F Desk Reference requires that NEPA documentation describe an *affected environment* for a proposed action, which is defined as, "*the entire geographic area that could be either directly or indirectly affected by the proposed action*." Operational emissions occur from ground sources within the immediate vicinity of the Proposed Action, such as GSE, aircraft on the ground and in flight but

below the mixing height, vehicles traveling to and from the Airport, and cargo facility operations. For operating emissions from the Proposed Action, the affected environment includes the project site as well as surrounding areas where aircraft arriving to and departing from the Airport are below the mixing height, generally assumed to be 3,000 feet above field elevation (AFE) per the Presumed to Conform list. However, changes in air traffic procedures below mixing height but above 1,500 ft AFE are presumed to conform. A 1,796 feet AFE mixing height was approved for the Bob Hope Airport by the SCAQMD.[9] According to the FAA's Presumed to Conform list, aircraft emissions above the mixing height do not affect air pollution concentrations at ground level and are thus presumed to conform to the SIP.[10] For operating emissions from the Proposed Action, environmental consequences will quantify additional emissions associated with changes in taxi distances and changes in fleet mix and operations. The FAA does not anticipate any change to fleet mix or operations.

FAA Order 1050.1F states, "*the latest FAA-approved model must be used for both air quality and noise analysis*."[11] The latest FAA-approved model for aviation air quality analysis when the environmental analysis began for the Proposed Action is AEDT 3b.

AEDT 3b can also be used to estimate criteria pollutant emissions from GSEs. The 1050.1F Desk Reference, Appendix C, gives the following key guidance and requirements applicable to air quality:[12]

- The same AEDT-default airport-specific average weather data that are used for noise analysis are typically acceptable for the calculation of emissions inventories.

- Modeled ground tracks should approximate actual flight paths in the study area.

- Operational emissions include emissions originating from sources such as aircraft, ground support equipment (GSE), and ground access vehicles

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9 South Coast Air Quality Management District. (2016). Draft Aircraft Emission Inventory For South Coast Air Quality Management District. Available at http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/aircraft-emissions-inventory-for-the-south-coast-air-quality-management-district.pdf

10 https://www.faa.gov/airports/resources/publications/federal_register_notices/media/environmental_72fr41576.pdf

11 FAA Order 1050.1F, Section 4.2.

12 1050.1F Desk Reference, Appendix C, Section 3.

(GAV). Operation of the Proposed Action could generate a net change in emissions from the following sources:

  - Landing and take-offs (LTOs) are expected to remain the same compared to the No Action Alternative, but changes in taxiway operations would need to be evaluated.

  - Ground support equipment (GSE) emissions from a net change in GSE operations relative to the No Action Alternative.

- Stationary source (i.e., generators, fueling services, routine maintenance) emissions from a net change in equipment usage relative to the No Action Alternative.

- Ground access vehicle (GAV) (i.e., personal vehicles, commercial vehicles, shuttle buses) from a net change in on-airport property and off-airport property vehicle miles traveled (VMT) relative to the No Action Alternative.

- Area source building emissions (i.e., natural gas, consumer products) from a net change in terminal building square footage and compliance with more stringent Title 24 Building Energy Efficiency Standards relative to the No Action Alternative.

- Methodologies to quantify emissions from these sources are discussed in this section.

Section 3.2.1: Operational – Aircraft

Operational emissions originating from aircraft will be quantified using the FAA's required model, the Aviation Environmental Design Tool (AEDT) version 3b. Since the Proposed Action is **not** expected to induce additional operations at the Airport, the operational emissions inventory will focus on emissions associated with changes in aircraft taxi distance.

This will be conducted by measuring the time it takes for aircraft to taxi distances under existing conditions relative to the time it takes for aircraft to taxi distances anticipated under the Proposed Action. Existing and anticipated aircraft taxi distances will be measured using Geographic Information Systems (GIS) software. Existing aircraft taxi times will be acquired from the FAA via the Aviation System Performance Metric (ASPM) Database for the Airport. Operational emissions of volatile organic compounds (VOCs), NO_X, CO, SO_2, PM_{10}, and $PM_{2.5}$ from aircraft taxiing and aircraft landing and takeoffs (LTOs) will be estimated using site-specific

aircraft population data for existing conditions, the No Action Alternative, and the Proposed Action.

Section 3.2.2: Operational – Ground Support Equipment

Ground Support Equipment (GSE) emissions will be estimated using Airport-specific GSE population and times-in-mode data using AEDT and records acquired from the Airport. GSE emissions will also comply with the programs identified in the AQIP in Section 2.2.1. Construction plans influencing the use of GSE and auxiliary power, such as the installation of gate power and preconditioned air units will be used to define the Proposed Action.

Section 3.2.3: Operational – Point Source Emissions

On-site stationary source emissions from non-aircraft sources (i.e., auxiliary power units, fuel tanks, emergency generators, and large boilers) will also be estimated using AEDT recommended default values, unless Airport-specific data is available. These data could include, but are not limited to the duration and number of events. Building area source emissions (e.g., natural gas) will be estimated using square footage of the building, or number of parking spaces for parking structures/lots and the latest version of California Emissions Estimator Model (CalEEMod). The natural gas usage factors will be adjusted to account for the appropriate version of the Title 24 Building Energy Efficiency Standards for the existing and new terminals, respectively. If the Proposed Action would result in a change in the number or types of stationary sources, such as emergency generators (maintenance and testing) or large boilers, emissions will be estimated using the OFFROAD2011 model and/or emission factors based on compliance with the California Air Resources Board (CARB)/U.S. Environmental Protection Agency (USEPA) emissions standards as appropriate (e.g., Tier 3 and Tier 4 standards) and factors from the USEPA AP-42 or SCAQMD (i.e. Rule 1470 Requirements for Stationary-Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).

Section 3.2.4: Operational – GAV

In calculating on-road mobile source emissions (i.e., ground access vehicles [GAV]), emissions can be estimated using CARB's EMission FACtor (EMFAC) model. The most recent EPA approved model is EMFAC2017[13]. Version 2016.3.2 of the CalEEMod model does not incorporate the on-road criteria pollutant emission factors generated from CARB's EMFAC2017 model. The current version of CalEEMod still utilizes on-road emission factors from EMFAC2014. Operational emissions from on-

[13] 84 FR 41717-41720, August 15, 2019.

road GAVs will be estimated outside of CalEEMod using a combination of on-road emission factors from EMFAC2017 and methodology from CalEEMod. All surface vehicles traveling to or from the Airport will be considered in the Air Quality analysis, including: privately owned vehicles, government-owned vehicles, and commercially-owned vehicles, such as rental cars, shuttles, buses, taxicabs, and trucks.

Total VMT from the on-road vehicles will be obtained from the traffic analysis. EMFAC2017 will be run in the emissions mode (also referred to as the "Burden" mode) and used to generate SoCAB-specific vehicle fleet emission factors in units of grams per mile, which is the same methodology used by CalEEMod to generate emission factors using the prior EMFAC2011 model. Emissions from on-road vehicles will be calculated as the product of the CalEEMod estimated VMT and the EMFAC2017 emission factors.

Section 3.3: Construction Sources

The FAA's 1050.1F Desk Reference provides guidance for conducting emissions inventories. The Airport Desk Reference also requires that NEPA documentation describe an *affected environment* for a Proposed Action, which is defined as, "the entire geographic area that could be either directly or indirectly affected by the Proposed Project."[14] For construction emissions from the Proposed Action, the affected environment includes the Airport property as well as surrounding areas where construction-related vehicles are traveling to and from the Airport.

Construction emissions of VOCs, nitrogen oxides (NO_X), carbon monoxide (CO), sulfur dioxide (SO_2), respirable particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$) from off-road heavy-duty equipment will be estimated using the - CalEEMod Version 2016.3.2 for each subphase of construction (e.g., demolition, grading, building construction, finishing). The CalEEMod software is an emission estimation/evaluation model developed for the State of California to calculate emissions during construction activities.[15] The CalEEMod employs the same off-road and on-road criteria pollutant emission factors generated from the FAA-approved CARB models OFFROAD2011 and emission factor (EMFAC) model. This model was released by the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (NO_X, VOCs, PM_{10}, $PM_{2.5}$, SO_X, and CO) and greenhouse gas emissions from direct and indirect sources, and quantify applicable air quality and

[14] 1050.1F Desk Reference, Section 1.2.

[15] CalEEMod version 2016.3.2 utilizes EMFAC 2014 emission rates, details provided in the California Emissions Estimator Model User's Guide version 2016.3.2. Available: www.caleemod.com. November 2017.

GHG reductions achieved from mitigation measures.[16] Accordingly, the latest version of CalEEMod™ will be used for the Proposed Action to determine construction and operational air quality emissions, not related to aircraft operations and GSEs.

Construction emissions will be estimated based on the anticipated schedule with construction completed at the earliest possible date and the possibility for overlapping subphases. Emissions for off-road equipment will be estimated using CalEEMod emissions rates that represent an average model year for available equipment within the air basin. Using this data, monthly, quarterly, and annual construction emissions estimates will be developed. Peak month average day emissions estimates will be developed by identifying a peak month of construction emissions and dividing the emissions by the number of days in that month.

The number of construction equipment used will reflect a specific set of conservative assumptions based on the expected construction scenario for the No Action Alternative and the Proposed Action using an upper bound assumption of the number of equipment in use in a relatively intensive manner. Fugitive dust and VOC emissions will be based on CalEEMod assumptions for material handling activities and coating activities. VOC emissions will not be estimated for building interior or exterior walls and surfaces that arrive at the Airport in a pre-coated state or that do not require architectural coating.

Construction emissions from on-road trucks and vehicles will be estimated using a combination of CalEEMod and the latest EMFAC2017 on-road vehicle emissions model. EMFAC2017 has not yet been incorporated into CalEEMod; therefore, CalEEMod will be used to generate total VMT from the on-road trucks and worker vehicles. EMFAC2017 will be run in the emissions mode (also referred to as the "Burden" mode) and used to generate SoCAB-specific truck and vehicle fleet emission factors in units of grams per mile, which is the same methodology used by CalEEMod to generate emission factors using the prior EMFAC2011 model. Emissions from on-road trucks and worker vehicles will be calculated as the product of the CalEEMod estimated VMT and the EMFAC2017 emission factors.

Construction of the Proposed Action would generate emissions from the following sources:

- Off-road heavy-duty equipment including but not limited to dozers, loaders, forklifts, and tractors (CalEEMod version 2016.3.2/OFFROAD2011). Pursuant

[16] California Air Pollution Control Officers Association (CAPCOA), 2016. California Emissions Estimator Model (CalEEMod). September. Available: www.caleemod.com. Accessed: August 2018.

to the AQIP's Clean Construction Policy, all off-road diesel-powered construction equipment greater than 50 horsepower shall meet, at a minimum, USEPA Tier 4 (final) off-road emissions standards, or the next cleanest equipment available.

- On-road heavy-duty equipment such as haul trucks used to transport material to and from the Airport (CalEEMod version 2016.3.2/EMFAC2017). Pursuant to the AQIP's Clean Construction Policy, on-road medium-duty and larger diesel-powered trucks with gross vehicle weight rating of at least 14,0001 pounds shall comply with USEPA 2010 on-road emissions standards for PM10 and NOx and that contractor shall be required to utilize such on-road haul trucks or the next cleanest vehicle.

- On-road passenger vehicles from workers commuting to and from the Airport (CalEEMod version 2016.3.2/EMFAC2017).

- Fugitive dust generated by demolition activities and material/soil handling activities, as well as vehicle travel on paved roads (CalEEMod version 2016.3.2).

- Fugitive VOC emissions generated by surface coating and paving activities (CalEEMod version 2016.3.2).

Section 3.4: Data Sources

Data sources relied upon throughout the air quality analysis conducted for the EIS would include, but not be limited to:

- Applicant provided detailed construction schedule (phasing, equipment, haul routes) for the Proposed Action.

- Applicant provided detailed site plans, building floor area, parking spaces, etc.

- Applicant provided energy and water saving measures.

- Applicant provided operational data including electric infrastructure to allow for aircraft and ground support equipment to to have 400 Hz electric power

at the gate. The use of preconditioned air at an aircraft gate will depend on feedback from the airlines.[17]

- Applicant provided aircraft data, GSE data (including programs identified in the AQIP in Section 2.2.1), stationary source equipment data, and passenger throughput data.

- Bob Hope "Hollywood Burbank" Airport Air Quality Improvement Plan (see Section 2.2.1).

- Burbank2035 General Plan, Air Quality and Climate Change Element.

- City of Burbank Greenhouse Gas Reduction Plan.

- Locations and details of existing and proposed on-site stationary combustion equipment (e.g., auxiliary power units, fuel tanks, large boilers).

- Proposed Action traffic study.

Section 3.5: Air Dispersion Modeling

If required for this project, air dispersion modeling will be used to predict pollutant concentrations for construction sources as well as operational sources for the 2018 existing condition, 2024, and 2029 Proposed Action and No Action conditions, as well as for any other action alternative carried forward for detailed consideration in the EIS. Predicted concentrations resulting from the Replacement Terminal will be calculated, as necessary, for the following criteria pollutants: CO, NO_2, PM_{10}, $PM_{2.5}$, and SO_2. Proposed Action-related concentrations of CO, NO_2, and SO_2 will be added to the background concentrations for comparison to NAAQS. The background concentrations represent contributions from non-Proposed Action sources in the vicinity of the Airport.

Dispersion modeling of on-airport construction, mobile and stationary sources (i.e. emergency generators), and off-airport mobile emissions, if required, will be conducted using the most current EPA-approved American Meteorological Society (AMS)/EPA Regulatory Model (AERMOD) air dispersion model, which is currently version 19191. If dispersion modeling is needed, specific information regarding release parameters (area, polygon area, line, volume, and point), allocation of

[17] The replacement passenger terminal does not currently include the use of passenger loading bridges on the second level. The replacement passenger terminal proposes ground-level passenger loading as currently exists at the Airport. However, providing central power and/or preconditioned air at an aircraft gate is not dependent on the presence of a passenger loading bridge.

emissions temporally and spatially, background concentration methodology, and cumulative impacts will be detailed in the air quality analysis. Model inputs/assumptions will include:

- The averaging periods to be selected in AERMOD for each pollutant are based on the Basin's attainment status and averaging periods in the NAAQS.

- AEDT will be used to produce the aircraft activity data used within AERMOD. These include:

  - Aircraft LTO activity (including airborne and ground movements) below 1,796 feet AFE, modeled within AEDT as area sources.[18]

  - Aircraft startup and GSE activity, modeled as AREAPOLY sources representing airport aprons in AERMOD.

- The equipment used on the construction site and staging areas and the equipment transfer and haul trucks will be included in the dispersion modeling of all pollutants. The fugitive dust generated by these sources will be included in PM_{10} and $PM_{2.5}$ analyses, if applicable.

- Ground-level construction and operation activities (with the exception of building operations) will be modeled as a series of line volume sources. Line volume sources will be used to represent vehicle travel activity, vehicle idling, and construction. Each source will be modeled appropriately to represent each activity. Building operations emissions, as generated by CalEEMod, will be modeled as area sources. Area sources will also be used to model any fugitive dust emissions from vehicle activity.

  - Line volume sources were decided to represent emissions from vehicle exhaust associated with the above activities because the line volume source implements vertical release parameters, which would be expected from a vehicle exhaust plume. Area sources are more appropriate for low level or ground level releases with no plume rise; therefore, they will be used for modeling building operation emissions and not vehicle emissions.

- The Ozone Limiting Method (OLM) will be used as a Tier 3 NO_2 modeling refinement, if applicable. This is recommended by the U.S. EPA when

[18] South Coast Air Quality Management District. (2016). Draft Aircraft Emission Inventory For South Coast Air Quality Management District. Available at http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/aircraft-emissions-inventory-for-the-south-coast-air-quality-management-district.pdf

modeling area sources. The default in-stack NO2/NOx ratios will be implemented because better information is not available. The OLM Group "ALL" will be selected to model the sources.[19]

- The meteorological (MET) data from the monitoring station located in Source Receptor Area 7 (East San Fernando Valley) will be used in the analysis. This will be MET data from the Burbank Airport monitor provided in Table 1 by the SCAQMD for years 2012-2016 will be used for any air dispersion modeling.[20]

- A receptor grid will be developed with the recommended receptor spacing of 25 meters, based on SCAQMD Table B to capture impacts primarily in the predominant wind direction and refined, as necessary, to capture maximum impacts.[21] Receptor points are the geographic locations where the air dispersion model will calculate air pollutant concentrations, and will be located in areas where the general public has unrestricted access near the Airport. If dispersion modeling is necessary, a map with receptor locations will be provided prior to analysis.

- The Urban Dispersion Option will be used per SCAQMD policy and will be modeled using the SCAQMD-provided Los Angeles County population of 9,818,605 persons. This is policy for all air quality impact analyses in SCAQMD jurisdiction.[22]

- Regional elevation data will be obtained and applied to the sources and receptors.

- All receptors will be set to the elevation, so that only ground-level concentrations are analyzed.

- The building downwash algorithms in AERMOD only apply to point sources per the AERMOD User Guide and thus will be included in this analysis. If point sources are included in the model, then buildings will be included in the model based on the "5L" rule, meaning that if the distance between the stack

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[19] United States Environmental Protection Agency. 2014. Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the N02 National Ambient Air Quality Standard. Available at: https://www3.epa.gov/scram001/guidance/clarification/NO2_Clarification_Memo-20140930.pdf.

[20] SCAQMD Table 1. Available at: https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/aermod-table-1.

[21] SCAQMD Receptor Grid. Available at: https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance#Receptor.

[22] SCAQMD Urban Dispersion Option. Available at: http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#Urban.

and building is less than 5 times the lesser of the building height or width, the buildings will be included.

Background concentrations are required for demonstrating compliance against the NAAQS. Ambient air monitoring data is maintained by the SCAQMD and best respresents the background pollutant concentrations for the Detailed Study Area. The nearest monitoring stations are the Reseda station (AQS 06-037-1201) and the Pasadena station (AQS 06-037-2005), which are shown in **Exhibit 7**. This data will be used to represent background data for the AAQS studies. The Reseda station is assumed to be most representative of Burbank background emissions, but the Pasadena station, or others, will be used if data is missing. In the event dispersion analysis is required, sensitive receptors closest to the BUR airfield will be used for Proposed Action – No Action analysis purposes. Based on a survey of the area the nearest sensitive receptors near the Detailed Study Area are residential land uses and are shown in **Exhibit 8**. For NO_2 specifically, the background data will be applied following EPA guidance, and based on "monitored NO_2 design value, i.e., the 98th-percentile of the annual distribution of daily maximum 1-hour values averaged across the most recent three years of monitored data." [23] Background data for other pollutants will match their respective design values.

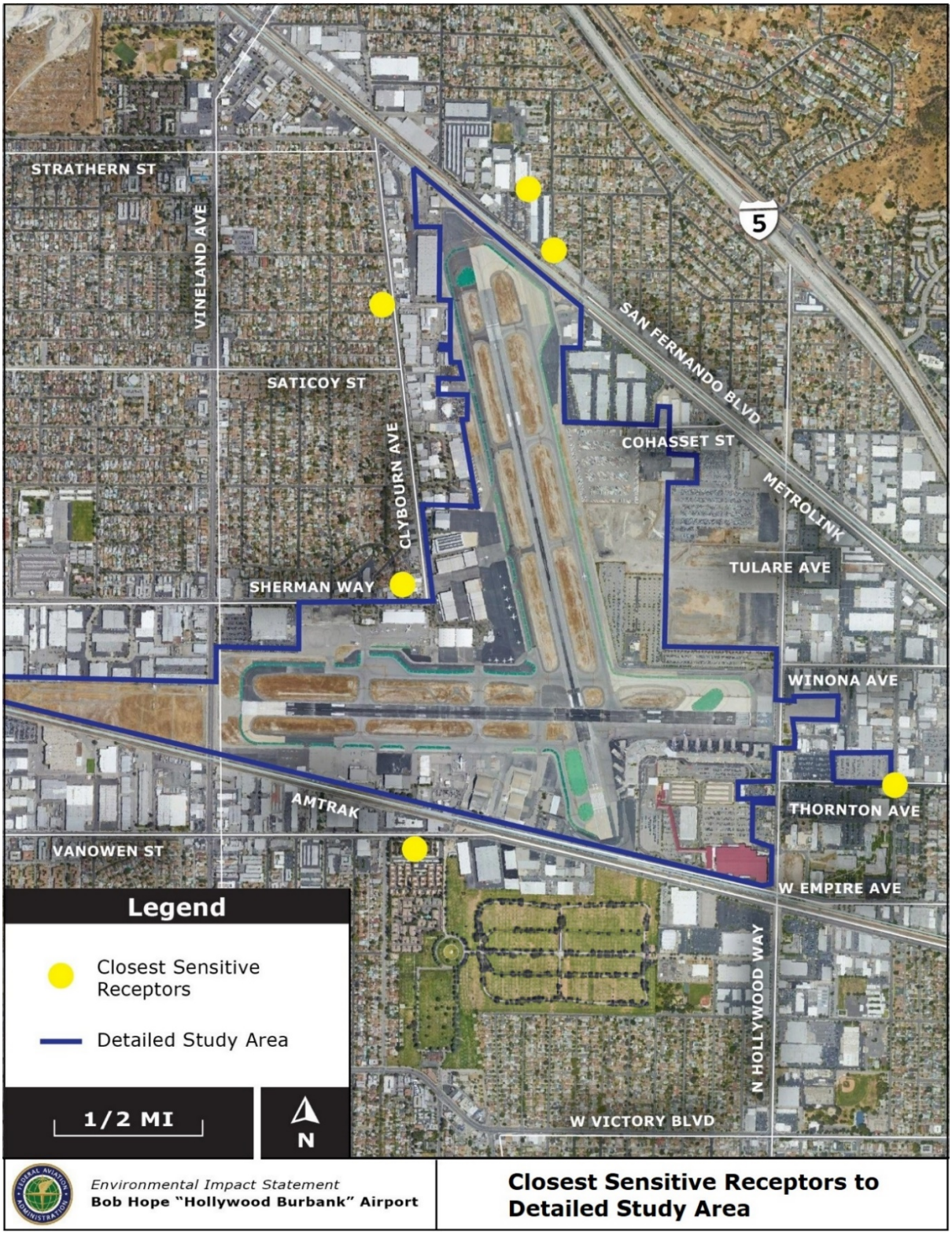
[23] United States Environmental Protection Agency. 2011. Additional Clarification Regarding Application of Appendix W Modeling Guidance for 1-hour NO_2 National Ambient Air Quality Standard. Available at: https://www.epa.gov/sites/production/files/2015-07/documents/appwno2_2.pdf

EXHIBIT 7
CLOSEST AIR MONITORING STATIONS



Source: SCAQMD, 2019.

EXHIBIT 8
CLOSEST SENSITIVE RECEPTORS



Section 3.6: Presentation of Results

A summary analysis of the results will be published in relevant sections of the EIS. Model outputs, raw data, and assumptions used in the development of the air quality analysis will be appended in the EIS in appropriate sections, as necessary. Results will be presented in units relative to the thresholds of significance to which they are compared.

Section 3.7: Greenhouse Gas (GHG) Emissions

GHG emissions associated with the Proposed Action will be calculated using data, emission factors, and methods used to quantify criteria pollutant emissions. Each GHG type is responsible for varying levels of global warming potential (GWP) and will be presented in terms of GHG equivalents (GHGe) for the following compounds[24]:

- Carbon dioxide (CO_2), GWP – 1;
- Methane (CH_4), GWP – 25;
- Nitrous Oxide (N_2O), GWP – 298; and
- Fluorinated gasses such as hydrofluorocarbons (HFCs), GWP – 4 to 12,400, perfluorocarbons (PFCs), GWP – 6,630 to 23,500, and sulfur hexafluoride (SF_6), GWP - 23,900.

Individual GHG emissions are normalized by multiplying individual emissions by the corresponding GWP to calculate the "CO2 equivalent" or CO2e. This results in a consistent methodology for comparing emissions.

Section 3.7.1: Thresholds of Significance

There are no thresholds of significance for GHG emissions, so the EIS will focus on disclosure, rather than impact analysis.

[24] Greenhouse Gas Protocol. *Global Warming Potential Values.* February 2016. *Available at:* https://www.ghgprotocol.org/sites/default/files/ghgp/Global-Warming-Potential-Values%20%28Feb%2016%202016%29_1.pdf.

Section 3.7.2: Methods

The focus for quantifying GHG emissions is on the incremental change in GHG emissions associated with the Proposed Action (and alternatives) compared to the No Action Alternative within the same timeframe.

Aviation-related GHG emissions are categorized by "Scopes" based upon their origin and ownership. Consistent with international reporting protocols, these Scopes are defined as follows:

- Scope 1/Direct – GHG emissions from sources that are owned by the reporting entity (i.e., airport operator). These include on-airport owned stationary sources (e.g., boilers, generators, snowmelters, etc.) and airport-owned GSE and fleet motor vehicles.

- Scope 2/Indirect – GHG emissions associated with the generation of electricity purchased and consumed by the reporting entity.

- Scope 3/Indirect – GHG emissions that are associated with the activities of the reporting entity, but are associated with sources that are owned by others. These include aircraft-related emissions and emissions from airport tenant's activities as well as ground transportation to and from the Airport by the public.

Furthermore, GHG emissions are categorized by the degrees of control that an airport operator may have over them. These categories are defined as follows:

- Category 1 – GHG emissions from sources that are controlled by the reporting entity. In the case of an airport operator these include Scope 1 emissions but can also include some Scope 2 and Scope 3 sources over which the entity can exert some control. Examples of the latter can include on-airport motor vehicles and tenant electrical use.

- Category 2 – This category comprises Scope 3 emissions associated with sources owned and controlled by airlines and airport tenants. Examples include aircraft, APUs, most GSE, electrical consumption, and other stationary sources controlled by tenants.

- Category 3 – This category generally comprises Scope 3 emissions associated with public sources associated with the airport. Examples include automobiles, taxis, limousines, buses, and shuttle vans traveling to and from the airport.

Section 3.7.3: Sources

Construction will be performed under the jurisdiction of the Authority, so construction emissions associated with implementing the Proposed Action would be considered Scope 1 emissions. Construction of the Proposed Action would generate GHG emissions from the following sources:

- Off-road heavy-duty equipment including but not limited to dozers, loaders, forklifts, and tractors.
- On-road heavy-duty equipment such as haul trucks used to transport material on and to and from the Airport.
- On-road passenger vehicles from workers commuting to and from the Airport.

Operation of the Proposed Action could generate a net change in GHG emissions from the following sources:

- Aircraft emissions from a net change in taxiway operations relative to the No Action Alternative. (Scope 1)
- Aircraft emissions from a net change in the number and type of aircraft LTOs relative to the No Action Alternative. (Scope 3)
- GSE emissions from a net change in GSE operations relative to the No Action Alternative. (Scope 1)
- Stationary source (i.e., auxiliary power units, large boilers) emissions from a net change in equipment usage relative to the No Action Alternative. (Scope 1)
- Authority-owned GAV (i.e., passenger vehicles, shuttle buses) from a net change in on-airport property and off-airport property VMT relative to the No Action Alternative. (Scope 1)
- Non-Authority-owned GAV (i.e., passenger vehicles, shuttle buses) from a net change in on-airport property and off-airport property VMT relative to the No Action Alternative. (Scope 3)
- Area source building emissions (i.e., natural gas) from a net change in terminal building square footage and compliance with more stringent Title 24

Building Energy Efficiency Standards relative to the No Action Alternative. (Scope 1)

- Electricity, solid waste, and water GHG emissions a net change in terminal building square footage and annual passenger throughput, and compliance with more stringent Title 24 Building Energy Efficiency Standards relative to the No Action Alternative. (Scope 2)

Table 4 summarizes the information that will be used to calculate the emissions from the Proposed Project.

TABLE 4
AIR POLLUTANT EMISSIONS SOURCE TYPES, DATA REQUIREMENTS, AND MODELING METHODS

Source Type	Data Requirements	Models/Methods
Imported Electricity	Engineering Estimates	CalEEMod, GHG Intensity Data appropriate to Burbank Water and Power
Aircraft	Aircraft activity parameter data including; but not limited to, the following: • Taxi-in and taxi-out times • Arrival and departure times • Aircraft types (including engine types) • Parking locations and gate powering information • Operational counts • Stage lengths and vertical profiles	AEDT 3b and FAA Aviation Emissions and Air Quality Handbook
GSE	Aircraft parking locations, hardstand operations including availability of and connections to power and air, along with GSE type, fuel type, and operations data	AEDT 3b and FAA Aviation Emissions and Air Quality Handbook with adjustments reflecting commitments to future year reductions per MOU.
Off-road equipment (Excluding GSE)	Vehicle Fleet information if available or estimated using default values	CalEEMod 2016.3.2
On-road vehicles	Mobile Trip Generation Calculations from the surface traffic study	EMFAC2017, CARB SAFE Rule Adjustment Factors
Building natural gas use—space and water heating	Volume estimates or default factors	CalEEMod 2016.3.2
Stationary Sources (generators, etc.)	Volume estimates or default factors	U.S. EPA AP-42
Refrigerant leakage/if necessary	Purchasing records	AP-42, CARB and ICLEI
Solid Waste and Recycling	Default factors based on building square footage.	CalEEMod 2016.3.2, ICLEI, and WARM
Wastewater treatment/if necessary	Default factor based on land use type.	CalEEMod 2016.3.2, AP-42

Section 3.8: Cumulative Impacts

The EIS shall discuss any other construction projects that would occur during the same time as it relates to the cumulative impacts emissions inventory. Any on-airport and off-airport construction projects within the defined range shall be considered in the cumulative air quality analysis for the EIS.

A number of projects in the direct and indirect study areas have not yet been built or are currently under construction. Since the Authority has no control over the timing or sequencing of these projects, any quantitative analysis to ascertain daily construction emissions that assumes multiple and concurrent construction projects would be speculative. For this reason, the SCAQMD's methodology to assess a project's cumulative impact differs from the cumulative impacts methodology employed elsewhere in this EIS. A list of the past, present, and reasonably foreseeable future actions list is provided in **Table 5, Table 6,** and **Table 7,** respectively. According to SCAQMD cumulative impact methodology, if a project exceeds the *de minimis* thresholds for a specific impact, then the cumulative impact will also exceed. Likewise, if Proposed Action does not exceed the *de minimis* thresholds for a specific action and is determined to conform, then the cumulative impact also would conform.

TABLE 5
CUMULATIVE PROJECTS – PAST PROJECTS

PAST PROJECTS			
Project	**Project Location**	**Project Description**	**Project Status**
Runway 8-26 and Runway 15-33 Rehabilitation	Airport Property	The project rehabilitated sections of Runway 8-26 and Runway 15-33	Completed 2015
Hangar 2 Ramp Paving Phase 2	Airport Property	The project involved paving areas near Hangar 2	Completed 2015
Million Air Parking Lot Rehabilitation	Airport Property	The project rehabilitated the Million Air Parking Lot	Completed 2015
Gate 145 Area Pavement Rehabilitation	Airport Property	The project rehabilitated pavement in the area of Gate 145	Completed 2015
Hangar 2 Landside Parking Repairs	Airport Property	The project involved pavement work near Hangar 2	Completed 2015
Hangar 42 Blast Fence	Airport Property	The project involved the installation of blast fence near Hangar 42	Completed 2015
Lot A Paving Rehabilitation	Airport Property	The project rehabilitated sections of pavement in parking lot A	Completed 2016
Runway 8-26 EMAS Rehabilitation	Airport Property	The project rehabilitated the EMAS on Runway 8-26	Completed 2016
Empire St and Clybourn Ave Paving	Intersection of Empire St and Clybourn Ave	The project involved pavement work at the intersection of Empire St and Clybourn Ave	Completed 2016
Washrack Paving	Airport Property	The project included pavement work near the washrack	Completed 2016
Runway 15-33 rehabilitation	Airport Property	The project rehabilitated sections of Runway 15-33	Completed 2016
ALV Area Paving	Airport Property	The project involved pavement work in the ALV parking area	Completed 2017

PAST PROJECTS			
Project	**Project Location**	**Project Description**	**Project Status**
Staff Lot Pavement	Airport Property	The project involved pavement work in the staff parking lot	Completed 2017
FAA Road Pavement Rehabilitation	Airport Property	The project involved pavement work on road to FAA building	Completed 2018
Lot A Pavement Rehabilitation	Airport Property	The project rehabilitated sections of pavement in parking lot A	Completed 2018
South of Area 13 Pavement	Airport Property	The project involved pavement work south of Area 13	Completed 2018
Taxiway A Rehabilitation	Airport Property	This project would include rehabilitation of sections of Taxiway A	Completed 2019

Sources: Authority, 2018; City of Burbank, 2018; City of Los Angeles, 2018; RS&H, 2019.

TABLE 6
CUMULATVE PROJECTS – CURRENT PROJECTS

CURRENT PROJECTS			
Project	**Project Location**	**Project Description**	**Project Status**
Taxiway C and D and General Aviation Ramp Rehabilitation	Airport Property	The project rehabilitated sections of Taxiway C and D as well as the general aviation ramp	In Progress
Interstate-5 Widening	I-5 between Magnolia boulevard and Buena Vista Street	The project includes the construction of new high-occupancy-vehicle lanes in each direction	In Progress
Empire Ave Interchange Project	I-5 interchange at Empire Ave	The project includes reconstruction of the I-5 interchange at Empire Ave	In Progress
Burbank Airport South Metrolink Station Pedestrian Bridge	Over Empire Ave between the South Metrolink Station and RITC	The project includes the construction of a pedestrian bridge over Empire Ave	In Progress

Sources: Authority, 2018; City of Burbank, 2018; City of Los Angeles, 2018; RS&H, 2019.

TABLE 7
CUMULATIVE PROJECTS – REASONABLY FORESEEABLE FUTURE PROJECTS

REASONABLY FORESEEABLE FUTURE PROJECTS			
Project	**Project Location**	**Project Description**	**Project Status**
Avion Business Park Construction	3001 North Hollywood Way	This project would include the development of a 61-acre parcel of land adjacent to the northeast quadrant of Airport property	Proposed 2020
Utilities Construction	Airport Property	This project would include construction of underground utilities	Proposed 2022
Airside Security Fence Construction	Airport Property	This project would include construction of a security fence	Proposed 2022
Airside Service Road Construction	Airport Property	This project would include construction of new service road in order to accommodate reconfigurations at the Airport	Proposed 2023
Service Road Design and Construction	Airport Property		Proposed 2023
High Speed Rail	Unconfirmed route in vicinity of Airport	This project is included for cumulative but would not be constructed prior to our analysis years; therefore, it is for informational purposes only	Proposed 2029 /a/

Sources: Authority, 2018; City of Burbank, 2018; City of Los Angeles, 2018; RS&H, 2019.

/a/ The FAA has been advised by California High Speed Rail (CHSR) that construction is proposed to start in 2029 but the funding has not been secured and the environmental review for the project is still in progress.

Section 3.9: Inventory of Hazardous Air Pollutants

FAA Orders 1050.IF and 5050.4B and their associated desk references provide guidance concerning the evaluation of Hazardous Air Pollutants (HAPs). The 2015 FAA Air Quality Handbook[25] Chapter 6.2 (Hazardous Air Pollutants) provides the greatest degree of guidance about the inclusion of HAPs evaluation in FAA NEPA documents. HAPs are pollutants for which there are no NAAQS, but are still regulated under the federal CAA because of their potentially adverse effects on human health and the environment. These pollutants are comprised of a wide array of organic and inorganic compounds. Such, emissions are present in the exhaust of motor vehicle engines and, to a lesser extent, from boilers, fuel facilities, and other stationary sources. The sources of HAP emissions associated with the Proposed Action include aircraft (turbo), GSEs (diesel), emergency generators (diesel), and motor vehicles. HAPs not listed below are not anticpated to be associated with the Proposed Action and are therefore excluded from the list.

- 1,3-Butadiene
- 2-Methylnaphthalene
- Acetaldehyde
- Acetone
- Acrolein (2-propenal)
- Benzaldehyde
- Benzene
- Ethylbenzene
- Formaldehyde
- Isopropylbenzene
- m & p-Xylene
- Methyl alcohol
- Naphthalene
- n-Heptane
- o-Xylene
- Phenol (carbolic acid)
- Propionaldehyde
- Styrene
- Ethylene
- 1,2,4-trimethylbenzene (1,3,4-trimethylbenzene)
- Propylene
- 1,2,3-trimethylbenzene
- Crotonaldehyde
- Toluene

[25] U.S. Department of Transportation, Federal Aviation Administration, *Aviation Emissions and Air Quality Handbook*, Version 3, Update 1, January 2015.

Relative to the evaluation of HAPS at airports, FAA 's Air Quality Handbook notes the following:

- The U.S. EPA has identified 187 air pollutants that are considered to be HAPs and, therefore, subject to the requirements of CAA Section 112 (Hazardous Air Pollutants). From this list of 187 HAPs, 40 have been further designated by the U.S. EPA as having the greatest potential health threat to the general public and are known as "Section 112(k) HAPs." The major categories of HAPs in this group include volatile and semi-volatile organic compounds (i.e., VOCs, SVOCs) and heavy metals.

- U.S. EPA has identified 21 HAPs that are designated as Mobile Source Air Toxics to signify those HAPs that are emitted by motor vehicles and non-road engines (e.g., farm and construction equipment, heavy industrial vehicles, ground support equipment (GSE), etc.). These pollutants include VOCs and heavy metals that are commonly associated with the combustion of gasoline and diesel fuels.

- In 2009, the FAA published a document providing an approach to, and technical guidance for, preparing speciated organic gas (OG) emission inventories for airport sources including aircraft, auxiliary power units (APUs), GSE, motor vehicles, and stationary sources. That document noted that "HAPs emission inventories prepared in support of environmental documents prepared by, or on behalf of, the FAA under NEPA should be done consistently." Importantly, it points out that "emission inventories of aviation-related OGs; which include the OGs identified by the EPA to be HAPs and the OGs listed in the EPA's Integrated Risk Information System (IRIS), are not required by current EPA regulations. However, in those cases where it is necessary to prepare such an aviation-related HAP inventory, the inventory must be prepared following this guidance and using EDMS/AEDT."

- Finally, the Handbook notes, "it is also important to note that other than an emissions inventory, a HAPs assessment prepared for the FAA must not include any other type of analysis including, but not limited to, atmospheric dispersion modeling, toxicity weighting, or human health risk analyses. These types of assessments require a more complete understanding of the reactions of HAPs in the atmosphere and downstream plume evolution as well as human exposure patterns. Because the science of these relationships with respect to aviation-related HAPs is still evolving, the corresponding level of understanding is also currently limited."

Therefore, in accordance with FAA guidance, the EIS will contain an inventory of HAPs, but will not contain a Human Health Risk Assessment. The FAA Air Quality Handbook (Section 6.2.2) notes that a HAPs emissions inventory should be prepared when: a) the project is "major," b) located in nonattainment or maintenance area; and c) a criteria air pollutant emissions inventory is also prepared. The Authority prepared a Human Health Risk Assessment (HHRA) and the EIS will note that and refer the reader to that material with no interpretation.

A HAPs emission inventory will be developed in accordance with the FAA's *Aviation Emissions and Air Quality Handbook and Speciated Organic Gas Emissions from Ariports Guidance* . HAPs from aircraft and GSEs will be calculated within the AEDT model using the same assumptions used to prepare the criteria pollutant emissions inventory discussed in the preceding sections of this chapter (see **Table 4**). HAPs from mobile sources will be calculated based on CARB's speciation profiles using a weight percent applied to the organic gas emission calculated using EMFAC2017, as amended to account for the SAFE Rule adjustments.[26] Stationary source HAPs will be calculated using AP-42 emission factors, CARB speciation profiles, or local SCAQMD-derived emission factors, as appropriate.

[26] California Air Resources Board, Speciation Profiles Used in ARB Modeling, January 29, 2018. Available at https://ww3.arb.ca.gov/ei/speciate/speciate.htm

SECTION 4: GENERAL CONFORMITY PROTOCOL

The Proposed Action will require FAA approval. Since the Airport is located in a non-attainment and maintenance area for various pollutants, the Authority will be required to show that the Proposed Action conforms with the State Implementation Plan (SIP) for the applicable pollutants. As is noted previously, the area is categorized as nonattainment or maintenance for five of the criteria pollutants. This chapter of this Protocol discusses the approach that will be used to determine conformity.

The Conformity Determination prepared as part of the EIS will be based on the modeling programs discussed above to calculate emissions, and the requirements of the conformity regulations set forth at 40 CFR Part 93 Subpart B. The conformity regulations allow Federal agencies to develop a list of actions that are presumed to conform to an area's applicable State Implementation Plan (SIP). The FAA's list of actions presumed to conform to a SIP is published in the Federal Register at 72 FR 41565 and is hereafter referred to as the "Presumed to Conform list." The regulations also establish de minimis emission thresholds below which a Conformity Determination is not required. The Presumed to Conform list, de minimis thresholds, and other appropriate methodologies will all be utilized during the Conformity Evaluation to determine conformity of the Proposed Action to the California SIP.

A Federal agency responsible for an applicable action is required to determine if the action "conforms" to the applicable SIP, by ensuring that the action does not:

- Cause or contribute to any new violation of any NAAQS;
- Increase the frequency or severity of any existing violations of any NAAQS; or
- Delay the timely attainment of any NAAQS or any required interim emission reductions or other milestones.

Federal actions subject to conformity are divided into two categories: transportation conformity actions and general conformity actions. General conformity actions are all other Federal actions in nonattainment and maintenance areas that are not covered by the Transportation Conformity rules (40 CFR Part 51 and Part 93, Subpart A). The process of evaluating projects under the General Conformity Rules generally starts with

- determining if the project is exempt,

- determining if the project is presumed to conform, and
- preparation of an applicability analysis, if the project is not exempt or presumed to conform.

While the FAA has assembled a list of projects presumed to conform, the Replacement Terminal is neither exempt nor presumed to conform.[27]

The general conformity analysis applies to all criteria pollutants for which an area is in nonattainment or maintenance status.

An applicability analysis under General Conformity consists of preparing an emissions inventory and contrasting that result with the *de minimis* thresholds. The regulation defines the thresholds based on pollutant and attainment/non-attainment designation. The thresholds applicable to the Proposed Action under General Conformity are presented below.

- Ozone (Extreme nonattainment):
  - NO_x: 10 tons per year
  - VOC: 10 tons per year
- $PM_{2.5}$ (serious nonattainment) – 70 tons per year
- PM_{10} (maintenance) – 100 tons per year
- Lead (non-attainment) – 25 tons per year
- Nitrogen Dioxide (Maintenance) – 100 tons per year
- Carbon Monoxide (Maintenance) – 100 tons per year

Therefore, the emissions inventory prepared, as defined above, will be compared to the *de minimis* thresholds, and will be provided in the air quality analysis.

40 CFR Part 93.159(d) notes that when comparing emissions to *de minimis* thresholds, the following scenarios must be considered:

[27] https://www.federalregister.gov/documents/2007/02/12/E7-2241/federal-presumed-to-conform-actions-under-general-conformity 72 FR 6641 See table III-4.

- emissions in the year of attainment or the farthest year for which emissions are projected in the maintenance plan;

- the year in which the total of direct and indirect emissions from the action are expected to be the greatest on an annual basis; and

- any year for which the SIP has an applicable emissions budget. If emissions in all of these scenarios are less then *de minimis*, no further analysis is needed. If emissions are above *de minimis* a conformity determination is required.

The scenarios that will be analyzed under General Conformity include the scenarios discussed in Section 3.1 of this Protocol, which are:

- Phase 1 construction of the replacement passenger terminal and parking structureto be completed in 2024.

- Phase 2 construction + operations, with construction expected to be completed in 2026. A year 2024 analysis will consider the operational effects of Phase 1 and any overlapping construction activities of Phase 2.

- Future year operational analysis of 2029, which will consider operational emissions five years after completion of the replacement passenger terminal. This will include a cumulative impact evaluation of other projects that may be undertaken by the Authority and other regional projects nearby the Airport.

A Conformity Determination has a publication process that is similar to the NEPA process (40 CFR Part 93.155 and 93.156), and is part of a larger public involvement process discussed in Step 1 of Section 4.1.3. This protocol assumed this will be done simultaneously with the NEPA air quality assessment. Notices of the availability of the Draft and Final Conformity Determination must be published in a daily newspaper of general circulation.

Section 4.1: Conformity Evaluation

As stated in Section 1.2, the Basin, including the City of Burbank, is currently designated by the USEPA as being in attainment for CO, NO_2, SO_2, and PM_{10}. The region is in nonattainment for ozone, $PM_{2.5}$, and partial nonattainment for lead.[28]

[28] Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors near large lead-acid battery recycling facilities, the Exide facility in Vernon and Quemetco in City of Industry. Expect redesignation to attainment based on current monitoring data. Available at: http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=14.

Although Pb is a critiera pollutant, it will not be evaluated in the air quality analysis since the Proposed Action will not affect general aviation.

Following standard industry practice and USEPA guidance the evaluation of O_3 will be conducted by evaluating precursor pollutant emissions of VOC and NO_x. O_3 is a secondary regional pollutant and ambient concentrations can only be predicted using regional photochemical models that account for all sources of precursors, which is beyond the scope of this analysis. Therefore, no photochemical O_3 modeling will be conducted.

Consistent with 40 CFR 93.150(a), the Proposed Action will be evaluated to determine conformity with an applicable State Implementation Plan, including maintenance plans.

As indicated by the FAA's *Aviation Emissions and Air Quality Handbook*,[29] a General Conformity applicability analysis must compare emissions in the following years:

- "The attainment year specified in the approved SIP, or the latest attainment year possible under the Clean Air Act (CAA) (Title 42 USC § 7401);
- "The last year for which emissions are projected in a maintenance plan;
- "The year during which the total direct and indirect emissions from the action is expected to be greatest on an annual basis; and
- "Any year for which the approved SIP contains an emissions budget."[30]

Conformity for the Proposed Action will be determined through a detailed emissions analysis and comparison to the emission budgets in the SIP.

The Conformity Evaluation, although independent from FAA's obligations under NEPA, will be coordinated with the preparation of the EIS, including, to the extent feasible, simultaneous public notice and review periods.

The Conformity Evaluation is conducted in three phases:

- Applicability Analysis,

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[29] Federal Aviation Administration, 2015. *Aviation Emissions and Air Quality Handbook, Version 3, Update 1.* https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook/. Last accessed: December 18, 2017.

[30] *Aviation Emissions and Air Quality Handbook,* Section 8.1.1.4.

- Conformity Determination, and
- Review Process.

The proposed approach for each phase is discussed below.

Section 4.1.1: Applicability Analysis

Step 1: FAA and the Authority confirm the EPA's current designation status for criteria air pollutants. As mentioned above, based on recent background research, the Proposed Action is located in an area that is in attainment for four NAAQS and in extreme nonattainment for ozone and serious nonattainment for $PM_{2.5}$ and partial nonattainment for lead.[31] Since the region is in nonattainment and under a SIP, the general conformity rule applies.

Step 2: Determine whether the Proposed Action is on the FAA's Presumed to Conform List, or is exempt from the conformity regulations (the FAA has already determined that the Proposed Action is neither exempt nor presumed to conform).

Step 3: Determine the emission levels of those elements that are not presumed to conform or are not exempt from conformity regulation. In this case, FAA will examine ozone precursors, $PM_{2.5}$ precursors, direct emissions $PM_{2.5}$, and lead caused by the Proposed Action.

Step 4: Compare the Proposed Action emissions determined in Step 3 to the applicable *de minimis* thresholds. If the net emissions are below applicable *de minimis* thresholds, no Conformity Determination is required and the Conformity Evaluation will be complete. If the net emissions are above applicable *de minimis* thresholds, consideration may be given to additional measures that may reduce emissions to less than the *de minimis* thresholds. If the net emissions cannot be reduced below the *de minimis* thresholds, then a Conformity Determination must be prepared.

Section 4.1.2: Conformity Determination

If a conformity determination is required, it would be conducted for the Proposed Action only.

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[31] Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors near large lead-acid battery recycling facilities, the Exide facility in Vernon and Quemetco in City of Industry. Expect redesignation to attainment based on current monitoring data. Available at: http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=14.

Step 1: One of the eight basic approaches for demonstrating conformity will need to be selected from the following:

- Document that the emissions from the Proposed Action are specifically identified and accounted for in the implementation plan,

- Obtain a statement from the Authority that the emissions from the Proposed Action, along with all other emissions in the area do not exceed the budget for those emissions in the implementation plan,

- Have the State (CARB) agree to revise the implementation plan to include the emissions from the Proposed Action,

- Have the local Metropolitan Planning Organization (MPO) SCAG, provide a statement that the emissions are included in the modeling for a conforming transportation plan and program,

- Conduct air quality modeling related to violation of NAAQS (allowed for directly-emitted pollutants only),

- Fully mitigate or offset the increase in emissions from the Proposed Action,

- Develop and implement a facility-wide emissions budget. This approach requires a revision to the applicable implementation plan. If the net emissions from the Proposed Action along with the other emissions from the facility do not exceed the budget, then the Proposed Action is presumed to conform, and

- Create and apply emission reduction credits. Credits must meet the requirements in order to be eligible for use in a conformity determination.

Step 2: A draft Conformity Determination will be prepared that describes how the conformity criteria would be met, including necessary supporting emissions data and recommended measures, if any, to mitigate, offset, or reduce emissions to demonstrate conformity with the SIP. The draft Conformity Determination will be made available to the public and federal and state regulatory agencies for review and comment.

Section 4.1.3: Review

Step 1: Concurrent with the release of the Draft EIS, the FAA will distribute the description of the Proposed Action and the draft Conformity Determination, in the

form of a 30-day notice[32] to the appropriate state and local air quality agencies, tribes, and, when applicable, affected Federal land managers, agencies designated under Section 174 of the CAA to develop the applicable implementation plan(s) and any other interested party, including members of the public. The FAA, will announce the availability of the draft Conformity Determination for public review and comment as part of the NEPA process and availability of the Draft EIS for agency and public review. This will be accomplished by placing a prominent advertisement in a daily newspaper in the affected area of the Proposed Action. There is a minimum 30-day public comment period on a draft Conformity Determination and Draft EIS, which will run concurrently with the agency review. The FAA is responsible for responding to all public comments that are received.

Step 2: After the public comment period, a final Conformity Determination will be prepared. The final Conformity Determination documents the FAA's finding whether an action would conform to the applicable implementation plan. A positive determination describes how the conformity criteria would be met, including the results of the conformity analysis conducted, and any mitigation measures, offsets, or emission reduction credits needed to demonstrate conformity with the applicable implementation plan. A preliminary final conformity determination will be made available to the BUR and FAA for review and comment.

Step 3: Prior to making a positive determination regarding the Proposed Action's conformity with the SIP, the FAA will obtain written commitments to implement any measures that are necessary to demonstrate conformity. In the event that the mitigation measures are not able to reduce on-site emissions below the de minimis thresholds, the Authority will work with SCAQMD to establish a voluntary emissions reduction agreement (VERA) to offset any remaining emissions. Consistent with EPA regulations, the FAA will notify, within 30 days after a final Conformity Determination, the EPA, the Authority, tribes, and other agencies, as appropriate. The FAA will make comments received on the draft Conformity Determination and the responses to the comments available. Electronic copies of the Final EIS and final Conformity Determination will be provided to federal, state, and local agencies that require a copy and any persons that requested a copy. A notice announcing the availability of the FAA's environmental determination and final Conformity

[32] From the FAA Order 1050.1F Desk Reference: "For an EIS, the comment period for the draft general conformity determination can readily fit within the minimum 45-day public comment period for the draft EIS. Therefore, to the extent practicable, establish the public comment periods for the draft EIS and draft general conformity determination to occur concurrently."

Determination will be made in the same manner as used in Step 1 within 30 days of the final determination.

END OF AIR QUALITY PROTOCOL

APPENDIX E-2

CONSTRUCTION EMISSIONS CALCULATIONS

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EMISSIONS SUMMARY OF CONSTRUCTION

Calculations for Construction Emissions in TONS/YEAR

YEAR	EMISSIONS (TONS/YEAR)					
	VOC	**NOx**	**CO**	**SO_x**	**PM_{10}**	**$PM_{2.5}$**
2021	0.14	1.44	4.92	0.01	0.45	0.13
On-site	0.0724	0.3135	3.6433	6.08E-03	0.0883	0.0216
Mobile	0.0630	1.1245	1.2765	0.0055	0.3636	0.1050
2022	0.52	8.85	11.05	0.04	2.13	0.66
On-site	0.093	0.4336	3.2713	5.42E-03	0.169	0.0956
Mobile	0.4300	8.4179	7.7819	0.0362	1.9605	0.5678
2023	0.38	5.11	10.28	0.03	2.14	0.60
On-site	0.084	0.4136	2.752	4.20E-03	0.0145	0.0145
Mobile	0.2959	4.6944	7.5230	0.0297	2.1225	0.5880
2024	2.29	1.24	2.87	0.01	0.55	0.16
On-site	2.2207	0.1242	1.0443	1.53E-03	0.00401	0.00401
Mobile	0.0698	1.1128	1.8213	0.0073	0.5510	0.1522
2025	0.15	2.07	4.96	0.01	0.59	0.17
On-site-Demo	0.0358	0.1553	1.8042	3.01E-03	0.0973	0.0188
Mobile-Demo	0.0363	0.8632	0.7890	0.0041	0.2217	0.0633
On-site-BC	0.0405	0.2049	1.441	2.25E-03	0.0235	0.0144
Mobile-BC	0.0422	0.8496	0.9240	0.0042	0.2522	0.0710
2026	0.15	0.57	1.83	4.28E-03	0.19	0.06
On-site	0.1285	0.1728	1.2525	1.89E-03	0.00529	0.00529
Mobile	0.0233	0.3938	0.5798	0.0024	0.1830	0.0506
Maximum	**2.29**	**8.85**	**11.05**	**0.04**	**2.14**	**0.66**
De Minimis Thresholds	10	10	100	100	100	70
Exceeds De Minimis?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Construction Greenhouse Gas Emissions Inventory

	Off-Road Equipment	On-Road Emissions	CO2e Emissions (metric tons per year) Total Emissions Per Year
Year 2021	536	527	1,063
Year 2022	473	3,616	4,089
Year 2023	364	2,897	3,260
Year 2024	133	708	841
Year 2025	460	833	1,293
Demo-SEQ	265	409	675
Building Construction-SEQ	195	424	619
Year 2026	164	233	397
Subtotal	2,130	8,814	10,944
		Total Construction GHG Emissions for Proposed Action	10,944

Burbank EIS-Demolition
Total On-Road Emissions

Burbank EIS-Demolition
Total On-Road Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	Total PM10	Total PM2.5	(MT/yr) Total CO2e
Demolition NEQ	2021											
Total Haul Trips	7538											
Hauling	25	313	8	20	15	0.28	6.41	2.64	0.02	0.50	0.18	300.48
Vendor	4	313	8	6.9	15	0.02	0.37	0.20	0.00	0.03	0.01	16.26
Worker	160	313	8	14.7	0	0.11	0.40	5.32	0.02	1.80	0.48	226.18
					Daily	0.40	7.19	8.16	0.04	2.32	0.67	542.93
					Annual (pds/year)	126	2249	2553	11	727	210	
					Annual (tons/year)	0.06	1.12	1.28	0.01	0.36	0.11	
Demolition SEQ	2025											
Total Haul Trips	8866											
Hauling	58	155	8	20	15	0.39	10.63	6.17	0.04	1.06	0.33	310.85
Vendor	4	155	8	6.9	15	0.01	0.26	0.20	0.00	0.03	0.01	7.32
Worker	160	155	8	14.7	0	0.06	0.24	3.81	0.01	1.80	0.48	98.37
					Daily	0.47	11.14	10.18	0.05	2.89	0.82	416.55
					Annual (pds/year)	73	1726	1578	8	447	127	
					Annual (tons/year)	0.04	0.86	0.79	0.00	0.22	0.06	

Burbank EIS-Demolition
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
		ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2021Hauling	Hauling	0.1186539	3.992800454	0.6956742	0.01365502	0.05164666	0.04941242	1501.6439	0.08961935	0.23855603
2021Vendor	Vendor	0.11469669	3.114267253	0.65644598	0.01197405	0.05667501	0.05422038	1289.57342	0.04818246	0.18585491
2021Worker	Worker	0.02076346	0.077888633	1.02559115	0.00301889	0.00204959	0.00188714	305.132487	0.00491451	0.00683909
2022Hauling	Hauling	0.0755155	3.410037919	0.56539452	0.01323739	0.02876121	0.02751698	1458.82049	0.08830872	0.2318891
2022Vendor	Vendor	0.06688983	2.492021399	0.48684559	0.01160537	0.0308556	0.02951798	1251.46962	0.04616303	0.18040281
2022Worker	Worker	0.0179433	0.067825839	0.93210183	0.00292498	0.00191724	0.00176517	295.644212	0.00430156	0.00621584
2023Hauling	Hauling	0.02428761	2.530054724	0.45373368	0.0124602	0.01935634	0.01851896	1377.72993	0.08646198	0.21919617
2023Vendor	Vendor	0.01871198	1.778914347	0.34119321	0.01102752	0.01288997	0.0123296	1191.0971	0.04407704	0.17141367
2023Worker	Worker	0.01553374	0.05936522	0.85279271	0.00283096	0.00180599	0.00166262	286.144231	0.00377509	0.00568444
2025Hauling	Hauling	0.02362255	2.526009274	0.47774299	0.01204673	0.01950617	0.01866231	1335.43776	0.08730544	0.21261694
2025Vendor	Vendor	0.01737107	1.783709538	0.32653443	0.01065812	0.01303907	0.01247228	1153.12067	0.04429475	0.16646656
2025Worker	Worker	0.01198764	0.04683175	0.73479184	0.00265477	0.00165035	0.00151904	268.341116	0.00298414	0.00487999
GWP		N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Demolition NEQ	2021													
Total Haul Trips	7538													
Hauling	25	313	8	20	0.13	4.40	0.77	0.02	0.06	0.05	235.01	0.35	10.83	246.18
Vendor	4	313	8	6.9	0.01	0.19	0.04	0.00	0.00	0.00	11.14	0.01	0.47	11.62
Worker	160	313	8	14.7	0.11	0.40	5.32	0.02	0.01	0.01	224.63	0.09	1.46	226.18
Demolition SEQ	2025													
Total Haul Trips	8866													
Hauling	58	155	8	20	0.06	6.46	1.22	0.03	0.05	0.05	240.11	0.39	11.09	251.59
Vendor	4	155	8	6.9	0.00	0.11	0.02	0.00	0.00	0.00	4.93	0.00	0.21	5.14
Worker	160	155	8	14.7	0.06	0.24	3.81	0.01	0.01	0.01	97.83	0.03	0.52	98.37

Burbank EIS-Demolition
Idling Emissions

		Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
		ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2021Hauling	Hauling	0.17535147	2.434751718	2.2627499	0.00410417	0.00348079	0.00333021	442.094191	0.01054016	0.06984928
2021Vendor	Vendor	0.09300855	1.345205617	1.22014382	0.0021998	0.00216434	0.00207071	236.593002	0.00626472	0.03709802
2021Worker	Worker	0	0	0	0	0	0	0	0	0
2022Hauling	Hauling	0.17340604	2.411908895	2.38605782	0.00416352	0.00146057	0.00139739	448.557172	0.01050837	0.07087362
2022Vendor	Vendor	0.09165909	1.312803747	1.28130006	0.00222606	0.00098101	0.00093857	239.464328	0.00623773	0.03755719
2022Worker	Worker	0	0	0	0	0	0	0	0	0
2023Hauling	Hauling	0.17283884	2.189756299	2.56412392	0.00398504	0.00117565	0.00112479	429.85136	0.01054838	0.06794198
2023Vendor	Vendor	0.09102316	1.172676689	1.37213676	0.00213114	0.00065915	0.00063064	229.508986	0.00625734	0.03599639
2023Worker	Worker	0	0	0	0	0	0	0	0	0
2025Hauling	Hauling	0.17327757	2.176089435	2.57904459	0.00389026	0.00109534	0.00104795	419.943637	0.010648	0.06639045
2025Vendor	Vendor	0.09100832	1.161057746	1.37735128	0.00207886	0.00060084	0.00057485	224.045117	0.00625934	0.03516335
2025Worker	Worker	0	0	0	0	0	0	0	0	0
	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Demolition NEQ	2021													
Total Haul Trips	7538													
Hauling	25	313	8	15	0.14	2.01	1.87	0.00	0.00	0.00	51.89	0.03	2.38	54.30
Vendor	4	313	8	15	0.01	0.18	0.16	0.00	0.00	0.00	4.44	0.00	0.20	4.65
Worker	160	313	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition SEQ	2025													
Total Haul Trips	8866													
Hauling	58	155	8	15	0.33	4.17	4.95	0.01	0.00	0.00	56.63	0.04	2.60	59.26
Vendor	4	155	8	15	0.01	0.15	0.18	0.00	0.00	0.00	2.08	0.00	0.09	2.18
Worker	160	155	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Burbank EIS-Demolition
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2021Hauling Hauling	3.00E-01	0.06078785	0.03543442	7.36E-02	0.02605194	0.0088586
2021Vendor Vendor	3.00E-01	0.095563944	0.02371721	7.36E-02	0.04095598	0.0059293
2021Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2022Hauling Hauling	3.00E-01	0.060787581	0.03543427	7.36E-02	0.02605182	0.00885857
2022Vendor Vendor	3.00E-01	0.095563809	0.02371714	7.36E-02	0.04095592	0.00592928
2022Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2023Hauling Hauling	3.00E-01	0.060787005	0.03543382	7.36E-02	0.02605157	0.00885846
2023Vendor Vendor	3.00E-01	0.095563521	0.02371691	7.36E-02	0.04095579	0.00592923
2023Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2025Hauling Hauling	3.00E-01	0.060784148	0.03543174	7.36E-02	0.02605035	0.00885793
2025Vendor Vendor	3.00E-01	0.095562093	0.02371587	7.36E-02	0.04095518	0.00592897
2025Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
Demolition NEQ	2021									
Total Haul Trips	7538									
Hauling	25	313	8	20	0.33	0.07	0.04	0.08	0.03	0.01
Vendor	4	313	8	6.9	0.02	0.01	0.00	0.00	0.00	0.00
Worker	160	313	8	14.7	1.55	0.19	0.04	0.38	0.08	0.01
Demolition SEQ	2025									
Total Haul Trips	8866									
Hauling	58	155	8	20	0.77	0.16	0.09	0.19	0.07	0.02
Vendor	4	155	8	6.9	0.02	0.01	0.00	0.00	0.00	0.00
Worker	160	155	8	14.7	1.55	0.19	0.04	0.38	0.08	0.01

Burbank EIS-Construction NEQ
Total On-Road Emissions

Burbank EIS-Construction NEQ
Total On-Road Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	Total PM2.5	(MT/yr) Total CO2e
Site Preparation	2022													
Total Haul Trips	0													
Hauling	0	20	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	14.7	0	0.01	0.04	0.54	0.00	0.20	0.00	0.20	0.05	1.57
					Daily	0.01	0.04	0.54	0.00	0.20	0.00	0.20	0.05	1.57
					Annual (pds/year)	0	1	11	0	4	0	4	1	
					Annual (tons/year)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
Grading	2022													
Total Haul Trips	35944													
Hauling	580	62	8	20	15	5.26	133.47	60.22	0.42	10.13	0.76	10.89	3.51	1352.32
Vendor	0	62	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	100	62	8	14.7	0	0.06	0.22	3.02	0.01	1.12	0.01	1.12	0.30	27.12
					Daily	5.32	133.69	63.25	0.43	11.25	0.77	12.02	3.81	1379.44
					Annual (pds/year)	330	8289	3921	27	697	48	745	236	
					Annual (tons/year)	0.16	4.14	1.96	0.01	0.35	0.02	0.37	0.12	
Building Construction	2022													
Total Haul Trips	13288													
Hauling	0	231	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	231	8	6.9	15	1.74	34.89	21.35	0.11	2.74	0.22	2.95	0.99	1264.68
Worker	960	231	8	14.7	0	0.56	2.11	29.00	0.09	10.72	0.06	10.78	2.90	969.99
					Daily	2.30	37.00	50.35	0.20	13.46	0.27	13.73	3.89	2234.67
					Annual (pds/year)	530	8546	11632	46	3108	64	3172	898	
					Annual (tons/year)	0.27	4.27	5.82	0.02	1.55	0.03	1.59	0.45	
					Total Year 2022	0.43	8.42	7.78	0.04	1.90	0.06	1.96	0.57	3615.68
Building Construction	2023													
Total Haul Trips	17947													
Hauling	0	312	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	312	8	6.9	15	1.41	28.25	21.69	0.10	2.74	0.09	2.83	0.88	1629.03
Worker	960	312	8	14.7	0	0.48	1.85	26.53	0.09	10.72	0.06	10.78	2.89	1267.55
					Daily	1.90	30.09	48.22	0.19	13.46	0.15	13.61	3.77	2896.58
					Annual (pds/year)	592	9389	15046	59	4198	47	4245	1176	
					Annual (tons/year)	0.30	4.69	7.52	0.03	2.10	0.02	2.12	0.59	
Building Construction	2024													
Total Haul Trips	4257													
Hauling	0	74	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	74	8	6.9	15	1.41	28.25	21.68	0.10	2.74	0.09	2.83	0.88	381.32
Worker	960	74	8	14.7	0	0.43	1.63	24.60	0.09	10.72	0.05	10.77	2.89	291.77
					Daily	1.83	29.88	46.29	0.19	13.46	0.15	13.60	3.77	673.10
					Annual (pds/year)	136	2211	3425	14	996	11	1007	279	
					Annual (tons/year)	0.07	1.11	1.71	0.01	0.50	0.01	0.50	0.14	
Paving	2024													
Total Haul Trips	0													
Hauling	0	41	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	41	8	14.7	0	0.01	0.03	0.38	0.00	0.17	0.00	0.17	0.05	2.53
					Daily	0.01	0.03	0.38	0.00	0.17	0.00	0.17	0.05	2.53
					Annual (pds/year)	0	1	16	0	7	0	7	2	
					Annual (tons/year)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
Architectural Coating	2024													
Total Haul Trips	0													
Hauling	0	41	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	192	41	8	14.7	0	0.09	0.33	4.92	0.02	2.14	0.01	2.15	0.58	32.33
					Daily	0.09	0.33	4.92	0.02	2.14	0.01	2.15	0.58	32.33
					Annual (pds/year)	3	13	202	1	88	0	88	24	
					Annual (tons/year)	0.00	0.01	0.10	0.00	0.04	0.00	0.04	0.01	
					Total Year 2024	0.07	1.11	1.82	0.01	0.55	0.01	0.55	0.15	707.95

Burbank EIS-Construction NEQ
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2021Hauling	Hauling	0.1186539	3.992800454	0.6956742	0.01365502	0.05164666	0.04941242	1501.6439	0.08961935	0.23855603
2021Vendor	Vendor	0.11469669	3.114267253	0.65644598	0.01197405	0.05667501	0.05422038	1289.57342	0.04818246	0.18585491
2021Worker	Worker	0.02076346	0.077888633	1.02559115	0.00301889	0.00204959	0.00188714	305.132487	0.00491451	0.00683909
2022Hauling	Hauling	0.0755155	3.410037919	0.56539452	0.01323739	0.02876121	0.02751698	1458.82049	0.08830872	0.2318891
2022Vendor	Vendor	0.06688983	2.492021399	0.48684559	0.01160537	0.0308556	0.02951798	1251.46962	0.04616303	0.18040281
2022Worker	Worker	0.0179433	0.067825839	0.93210183	0.00292498	0.00191724	0.00176517	295.644212	0.00430156	0.00621584
2023Hauling	Hauling	0.02428761	2.530054724	0.45373368	0.0124602	0.01935634	0.01851896	1377.72993	0.08646198	0.21919617
2023Vendor	Vendor	0.01871198	1.778914347	0.34119321	0.01102752	0.01288997	0.0123296	1191.0971	0.04407704	0.17141367
2023Worker	Worker	0.01553374	0.05936522	0.85279271	0.00283096	0.00180599	0.00166262	286.144231	0.00377509	0.00568444
2024Hauling	Hauling	0.02401894	2.544492645	0.46751049	0.01227876	0.01944808	0.01860674	1359.28126	0.08676841	0.21633125
2024Vendor	Vendor	0.01803961	1.792296243	0.33344282	0.01086271	0.01296994	0.01240612	1174.2308	0.04411894	0.16927688
2024Worker	Worker	0.01368507	0.052543215	0.79078223	0.00274831	0.00173067	0.00159309	277.793456	0.00336721	0.0052509
GWP		N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2022													
Total Haul Trips	0													
Hauling	0	20	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	14.7	0.01	0.04	0.54	0.00	0.00	0.00	1.56	0.00	0.01	1.57
Grading	2022													
Total Haul Trips	35944													
Hauling	580	62	8	20	1.93	87.21	14.46	0.34	0.74	0.70	1049.18	1.59	48.36	1099.14
Vendor	0	62	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	100	62	8	14.7	0.06	0.22	3.02	0.01	0.01	0.01	26.95	0.01	0.16	27.12
Building Construction	2022													
Total Haul Trips	13288													
Hauling	0	231	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	231	8	6.9	0.44	16.26	3.18	0.08	0.20	0.19	855.73	0.79	35.77	892.30
Worker	960	231	8	14.7	0.56	2.11	29.00	0.09	0.06	0.05	963.76	0.35	5.88	969.99
Building Construction	2023													
Total Haul Trips	17947													
Hauling	0	312	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	312	8	6.9	0.12	11.61	2.23	0.07	0.08	0.08	1100.04	1.02	45.91	1146.97
Worker	960	312	8	14.7	0.48	1.85	26.53	0.09	0.06	0.05	1259.88	0.42	7.26	1267.55
Building Construction	2024													
Total Haul Trips	4257													
Hauling	0	74	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	74	8	6.9	0.12	11.70	2.18	0.07	0.08	0.08	257.21	0.24	10.75	268.21
Worker	960	74	8	14.7	0.43	1.63	24.60	0.09	0.05	0.05	290.10	0.09	1.59	291.77
Paving	2024													
Total Haul Trips	0													
Hauling	0	41	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	41	8	14.7	0.01	0.03	0.38	0.00	0.00	0.00	2.51	0.00	0.01	2.53
Architectural Coating	2024													
Total Haul Trips	0													
Hauling	0	41	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	192	41	8	14.7	0.09	0.33	4.92	0.02	0.01	0.01	32.15	0.01	0.18	32.33

Burbank EIS-Construction NEQ
Idling Emissions

	Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2021Hauling Hauling	0.17535147	2.434751718	2.2627499	0.00410417	0.00348079	0.00333021	442.094191	0.01054016	0.06984928
2021Vendor Vendor	0.09300855	1.345205617	1.22014382	0.0021998	0.00216434	0.00207071	236.593002	0.00626472	0.03709802
2021Worker Worker	0	0	0	0	0	0	0	0	0
2022Hauling Hauling	0.17340604	2.411908895	2.38605782	0.00416352	0.00146057	0.00139739	448.557172	0.01050837	0.07087362
2022Vendor Vendor	0.09165909	1.312803747	1.28130006	0.00222606	0.00098101	0.00093857	239.464328	0.00623773	0.03755719
2022Worker Worker	0	0	0	0	0	0	0	0	0
2023Hauling Hauling	0.17283884	2.189756299	2.56412392	0.00398504	0.00117565	0.00112479	429.85136	0.01054838	0.06794198
2023Vendor Vendor	0.09102316	1.172676689	1.37213676	0.00213114	0.00065915	0.00063064	229.508986	0.00625734	0.03599639
2023Worker Worker	0	0	0	0	0	0	0	0	0
2024Hauling Hauling	0.1731052	2.182602498	2.57238385	0.00394309	0.00113296	0.00108395	425.461257	0.01059452	0.0672543
2024Vendor Vendor	0.09102967	1.166544927	1.37504446	0.00210766	0.00062804	0.00060087	227.052953	0.00625467	0.03562373
2024Worker Worker	0	0	0	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2022													
Total Haul Trips	0													
Hauling	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2022													
Total Haul Trips	35944													
Hauling	580	62	8	15	3.33	46.26	45.77	0.08	0.03	0.03	241.95	0.14	11.09	253.18
Vendor	0	62	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	100	62	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2022													
Total Haul Trips	13288													
Hauling	0	231	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	231	8	15	1.30	18.62	18.18	0.03	0.01	0.01	355.96	0.23	16.19	372.38
Worker	960	231	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2023													
Total Haul Trips	17947													
Hauling	0	312	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	312	8	15	1.29	16.64	19.47	0.03	0.01	0.01	460.79	0.31	20.96	482.06
Worker	960	312	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2024													
Total Haul Trips	4257													
Hauling	0	74	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	74	8	15	1.29	16.55	19.51	0.03	0.01	0.01	108.12	0.07	4.92	113.11
Worker	960	74	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2024													
Total Haul Trips	0													
Hauling	0	41	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	41	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	2024													
Total Haul Trips	0													
Hauling	0	41	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	192	41	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Burbank EIS-Construction NEQ
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2021Hauling Hauling	3.00E-01	0.06078785	0.03543442	7.36E-02	0.02605194	0.0088586
2021Vendor Vendor	3.00E-01	0.095563944	0.02371721	7.36E-02	0.04095598	0.0059293
2021Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2022Hauling Hauling	3.00E-01	0.060787581	0.03543427	7.36E-02	0.02605182	0.00885857
2022Vendor Vendor	3.00E-01	0.095563809	0.02371714	7.36E-02	0.04095592	0.00592928
2022Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2023Hauling Hauling	3.00E-01	0.060787005	0.03543382	7.36E-02	0.02605157	0.00885846
2023Vendor Vendor	3.00E-01	0.095563521	0.02371691	7.36E-02	0.04095579	0.00592923
2023Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2024Hauling Hauling	3.00E-01	0.060786098	0.03543312	7.36E-02	0.02605118	0.00885828
2024Vendor Vendor	3.00E-01	0.095563068	0.02371656	7.36E-02	0.0409556	0.00592914
2024Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
Site Preparation	2022									
Total Haul Trips	0									
Hauling	0	20	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	14.7	0.17	0.02	0.00	0.04	0.01	0.00
Grading	2022									
Total Haul Trips	35944									
Hauling	580	62	8	20	7.67	1.55	0.91	1.88	0.67	0.23
Vendor	0	62	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	100	62	8	14.7	0.97	0.12	0.03	0.24	0.05	0.01
Building Construction	2022									
Total Haul Trips	13288									
Hauling	0	231	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	231	8	6.9	1.96	0.62	0.15	0.48	0.27	0.04
Worker	960	231	8	14.7	9.33	1.14	0.25	2.29	0.49	0.06
Building Construction	2023									
Total Haul Trips	17947									
Hauling	0	312	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	312	8	6.9	1.96	0.62	0.15	0.48	0.27	0.04
Worker	960	312	8	14.7	9.33	1.14	0.25	2.29	0.49	0.06
Building Construction	2024									
Total Haul Trips	4257									
Hauling	0	74	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	429	74	8	6.9	1.96	0.62	0.15	0.48	0.27	0.04
Worker	960	74	8	14.7	9.33	1.14	0.25	2.29	0.49	0.06
Paving	2024									
Total Haul Trips	0									
Hauling	0	41	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	41	8	14.7	0.15	0.02	0.00	0.04	0.01	0.00
Architectural Coating	2024									
Total Haul Trips	0									
Hauling	0	41	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	41	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	192	41	8	14.7	1.87	0.23	0.05	0.46	0.10	0.01

Burbank EIS-Construction SEQ

Total On-Road Emissions

Burbank EIS-Construction SEQ

Total On-Road Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	Total PM10	Total PM2.5	(MT/yr) Total CO2e
Site Preparation	2025											
Total Haul Trips	0											
Hauling	0	2	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	2	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	2	8	14.7	0	0.01	0.03	0.43	0.00	0.20	0.05	0.14
					Daily	0.01	0.03	0.43	0.00	0.20	0.05	0.14
					Annual (pds/year)	0	0	1	0	0	0	
					Annual (tons/year)	0.00	0.00	0.00	0.00	0.00	0.00	
Grading	2025											
Total Haul Trips	4140											
Hauling	690	6	8	20	15	4.67	126.50	73.38	0.46	12.67	3.89	143.15
Vendor	0	6	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	6	8	14.7	0	0.01	0.03	0.48	0.00	0.22	0.06	0.48
					Daily	4.68	126.53	73.86	0.46	12.89	3.95	143.63
					Annual (pds/year)	28	759	443	3	77	24	
					Annual (tons/year)	0.01	0.38	0.22	0.00	0.04	0.01	
Building Construction	2025											
Total Haul Trips	4486											
Hauling	0	150	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	150	8	6.9	15	0.30	5.96	4.60	0.02	0.60	0.19	161.25
Worker	200	150	8	14.7	0	0.08	0.30	4.76	0.02	2.24	0.60	119.00
					Daily	0.38	6.27	9.36	0.04	2.84	0.79	280.25
					Annual (pds/year)	56	940	1404	6	427	118	
					Annual (tons/year)	0.03	0.47	0.70	0.00	0.21	0.06	
					Total Year 2025	0.04	0.85	0.92	0.00	0.25	0.07	424.02
Building Construction	2026											
Total Haul Trips	3798											
Hauling	0	127	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	127	8	6.9	15	0.30	5.92	4.59	0.02	0.60	0.19	134.13
Worker	200	127	8	14.7	0	0.07	0.27	4.46	0.02	2.24	0.60	97.64
					Daily	0.37	6.20	9.06	0.04	2.84	0.79	231.77
					Annual (pds/year)	46	787	1150	5	361	100	
					Annual (tons/year)	0.02	0.39	0.57	0.00	0.18	0.05	
Paving	2026											
Total Haul Trips	0											
Hauling	0	14	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	14	8	14.7	0	0.01	0.02	0.33	0.00	0.17	0.05	0.81
					Daily	0.01	0.02	0.33	0.00	0.17	0.05	0.81
					Annual (pds/year)	0	0	5	0	2	1	
					Annual (tons/year)	0.00	0.00	0.00	0.00	0.00	0.00	
Architectural Coating	2026											
Total Haul Trips	0											
Hauling	0	14	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	14.7	0	0.01	0.02	0.36	0.00	0.18	0.05	0.86
					Daily	0.01	0.02	0.36	0.00	0.18	0.05	0.86
					Annual (pds/year)	0	0	5	0	3	1	
					Annual (tons/year)	0.00	0.00	0.00	0.00	0.00	0.00	
					Total Year 2026	0.02	0.39	0.58	0.00	0.18	0.05	233.44

Burbank EIS-Construction SEQ
Running Emissions

	Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2024Hauling Hauling	0.02401894	2.544492645	0.46751049	0.01227876	0.01944808	0.01860674	1359.28126	0.08676841	0.21633125
2024Vendor Vendor	0.01803961	1.792296243	0.33344282	0.01086271	0.01296994	0.01240612	1174.2308	0.04411894	0.16927688
2024Worker Worker	0.01368507	0.052543215	0.79078223	0.00274831	0.00173067	0.00159309	277.793456	0.00336721	0.0052509
2025Hauling Hauling	0.02362255	2.526009274	0.47774299	0.01204673	0.01950617	0.01866231	1335.43776	0.08730544	0.21261694
2025Vendor Vendor	0.01737107	1.783709538	0.32653443	0.01065812	0.01303907	0.01247228	1153.12067	0.04429475	0.16646656
2025Worker Worker	0.01198764	0.04683175	0.73479184	0.00265477	0.00165035	0.00151904	268.341116	0.00298414	0.00487999
2026Hauling Hauling	0.023185	2.496761679	0.48641773	0.01180498	0.01943642	0.01859557	1310.30841	0.08766261	0.20868735
2026Vendor Vendor	0.0167901	1.768838286	0.32163059	0.01045314	0.01303091	0.01246449	1131.82363	0.04440225	0.16358991
2026Worker Worker	0.01057958	0.04219265	0.68845576	0.0025734	0.00156643	0.00144169	260.11852	0.00266549	0.00457972
2027Hauling Hauling	0.02276004	2.466539429	0.49308005	0.01155672	0.01932757	0.01849144	1284.05469	0.08765889	0.20456329
2027Vendor Vendor	0.01628201	1.752699806	0.31743247	0.01024039	0.01299259	0.01242784	1109.49234	0.04434283	0.1605786
2027Worker Worker	0.00938183	0.03827447	0.64927544	0.00250112	0.00147127	0.00135395	252.81421	0.00239427	0.00432867
GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	2	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	2	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	2	8	14.7	0.01	0.03	0.43	0.00	0.00	0.00	0.14	0.00	0.00	0.14
Grading	2025													
Total Haul Trips	4140													
Hauling	690	6	8	20	0.72	76.85	14.53	0.37	0.59	0.57	110.57	0.18	5.11	115.86
Vendor	0	6	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	6	8	14.7	0.01	0.03	0.48	0.00	0.00	0.00	0.47	0.00	0.00	0.48
Building Construction	2025													
Total Haul Trips	4486													
Hauling	0	150	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	150	8	6.9	0.02	2.47	0.45	0.01	0.02	0.02	108.61	0.10	4.55	113.26
Worker	200	150	8	14.7	0.08	0.30	4.76	0.02	0.01	0.01	118.34	0.03	0.62	119.00
Building Construction	2026													
Total Haul Trips	3798													
Hauling	0	127	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	127	8	6.9	0.02	2.45	0.45	0.01	0.02	0.02	90.26	0.09	3.78	94.13
Worker	200	127	8	14.7	0.07	0.27	4.46	0.02	0.01	0.01	97.12	0.02	0.50	97.64
Paving	2026													
Total Haul Trips	0													
Hauling	0	14	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	14	8	14.7	0.01	0.02	0.33	0.00	0.00	0.00	0.80	0.00	0.00	0.81
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	14	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	14.7	0.01	0.02	0.36	0.00	0.00	0.00	0.86	0.00	0.00	0.86

Burbank EIS-Construction SEQ
Idling Emissions

	Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2024Hauling Hauling	0.1731052	2.182602498	2.57238385	0.00394309	0.00113296	0.00108395	425.461257	0.01059452	0.0672543
2024Vendor Vendor	0.09102967	1.166544927	1.37504446	0.00210766	0.00062804	0.00060087	227.052953	0.00625467	0.03562373
2024Worker Worker	0	0	0	0	0	0	0	0	0
2025Hauling Hauling	0.17327757	2.176089435	2.57904459	0.00389026	0.00109534	0.00104795	419.943637	0.010648	0.06639045
2025Vendor Vendor	0.09100832	1.161057746	1.37735128	0.00207886	0.00060084	0.00057485	224.045117	0.00625934	0.03516335
2025Worker Worker	0	0	0	0	0	0	0	0	0
2026Hauling Hauling	0.17321578	2.167756275	2.58253888	0.00382817	0.00105219	0.00100668	413.439947	0.0106935	0.06537137
2026Vendor Vendor	0.09088449	1.154923348	1.37822485	0.00204558	0.00057194	0.0005472	220.559964	0.00626257	0.03462652
2026Worker Worker	0	0	0	0	0	0	0	0	0
2027Hauling Hauling	0.17335417	2.162810902	2.58858985	0.00376858	0.00101464	0.00097075	407.183088	0.0107466	0.06439025
2027Vendor Vendor	0.09086753	1.150729374	1.38039821	0.00201355	0.00054736	0.00052368	217.197734	0.00626995	0.03410835
2027Worker Worker	0	0	0	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	2	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	2	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	2	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2025													
Total Haul Trips	4140													
Hauling	690	6	8	15	3.95	49.65	58.85	0.09	0.02	0.02	26.08	0.02	1.20	27.29
Vendor	0	6	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	6	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2025													
Total Haul Trips	4486													
Hauling	0	150	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	150	8	15	0.27	3.49	4.14	0.01	0.00	0.00	45.87	0.03	2.09	47.99
Worker	200	150	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2026													
Total Haul Trips	3798													
Hauling	0	127	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	127	8	15	0.27	3.48	4.15	0.01	0.00	0.00	38.24	0.03	1.74	40.00
Worker	200	127	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2026													
Total Haul Trips	0													
Hauling	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	14	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Burbank EIS-Construction SEQ
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
		PM10			PM2.5	
	RD	BW	TW	RD	BW	TW
2024Hauling Hauling	3.00E-01	0.060786098	0.03543312	7.36E-02	0.02605118	0.00885828
2024Vendor Vendor	3.00E-01	0.095563068	0.02371656	7.36E-02	0.0409556	0.00592914
2024Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2025Hauling Hauling	3.00E-01	0.060784148	0.03543174	7.36E-02	0.02605035	0.00885793
2025Vendor Vendor	3.00E-01	0.095562093	0.02371587	7.36E-02	0.04095518	0.00592897
2025Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2026Hauling Hauling	3.00E-01	0.060783989	0.03543142	7.36E-02	0.02605028	0.00885785
2026Vendor Vendor	3.00E-01	0.095562013	0.02371571	7.36E-02	0.04095515	0.00592893
2026Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2027Hauling Hauling	3.00E-01	0.060783485	0.03543091	7.36E-02	0.02605006	0.00885773
2027Vendor Vendor	3.00E-01	0.095561761	0.02371546	7.36E-02	0.04095504	0.00592886
2027Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
						PM10			PM2.5	
					RD	BW	TW	RD	BW	TW
Site Preparation	2025									
Total Haul Trips	0									
Hauling	0	2	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	2	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	2	8	14.7	0.17	0.02	0.00	0.04	0.01	0.00
Grading	2025									
Total Haul Trips	4140									
Hauling	690	6	8	20	9.12	1.85	1.08	2.24	0.79	0.27
Vendor	0	6	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	6	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
Building Construction	2025									
Total Haul Trips	4486									
Hauling	0	150	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	150	8	6.9	0.42	0.13	0.03	0.10	0.06	0.01
Worker	200	150	8	14.7	1.94	0.24	0.05	0.48	0.10	0.01
Building Construction	2026									
Total Haul Trips	3798									
Hauling	0	127	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	91	127	8	6.9	0.42	0.13	0.03	0.10	0.06	0.01
Worker	200	127	8	14.7	1.94	0.24	0.05	0.48	0.10	0.01
Paving	2026									
Total Haul Trips	0									
Hauling	0	14	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	15	14	8	14.7	0.15	0.02	0.00	0.04	0.01	0.00
Architectural Coating	2026									
Total Haul Trips	0									
Hauling	0	14	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	14	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	14.7	0.16	0.02	0.00	0.04	0.01	0.00

Construction Off-Road Equipment Summary

Building Construction for NEQ and SEQ:

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

Demolition for NEQ and SEQ:

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Demolition - NEQ

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	30.90	Acre	30.90	1,346,004.00	0
Parking Lot	2,139.00	Space	19.25	855,600.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for demolition of NEQ only.

Land Use - see construction assumptions.

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Demolition -

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Demolition - NEQ - South Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	70.00	313.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblLandUse	LotAcreage	3.94	1.17
tblTripsAndVMT	HaulingTripNumber	1,863.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

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	0.4953	4.9205	3.3749	6.0800e-003	0.2016	0.2428	0.4444	0.0305	0.2255	0.2561	0.0000	532.1123	532.1123	0.1498	0.0000	535.8565
Maximum	**0.4953**	**4.9205**	**3.3749**	**6.0800e-003**	**0.2016**	**0.2428**	**0.4444**	**0.0305**	**0.2255**	**0.2561**	**0.0000**	**532.1123**	**532.1123**	**0.1498**	**0.0000**	**535.8565**

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	0.0724	0.3135	3.6433	6.0800e-003	0.0786	9.6500e-003	0.0883	0.0119	9.6500e-003	0.0216	0.0000	532.1117	532.1117	0.1498	0.0000	535.8559
Maximum	**0.0724**	**0.3135**	**3.6433**	**6.0800e-003**	**0.0786**	**9.6500e-003**	**0.0883**	**0.0119**	**9.6500e-003**	**0.0216**	**0.0000**	**532.1117**	**532.1117**	**0.1498**	**0.0000**	**535.8559**

	ROG	NOx	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	**85.39**	**93.63**	**-7.95**	**0.00**	**61.00**	**96.03**	**80.13**	**60.99**	**95.72**	**91.58**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Demolition - NEQ - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.3348	0.0951
2	4-1-2021	6-30-2021	1.3496	0.0962
3	7-1-2021	9-30-2021	1.3645	0.0972
		Highest	1.3645	0.0972

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1898	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0647	0.0647	1.7000e-004	0.0000	0.0690
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	317.8785	317.8785	8.4100e-003	1.7400e-003	318.6073
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1898**	**3.0000e-004**	**0.0332**	**0.0000**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**317.9432**	**317.9432**	**8.5800e-003**	**1.7400e-003**	**318.6762**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1898	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0647	0.0647	1.7000e-004	0.0000	0.0690
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	317.8785	317.8785	8.4100e-003	1.7400e-003	318.6073
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1898**	**3.0000e-004**	**0.0332**	**0.0000**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**317.9432**	**317.9432**	**8.5800e-003**	**1.7400e-003**	**318.6762**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	12/31/2021	6	313	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 51.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					0.2016	0.0000	0.2016	0.0305	0.0000	0.0305	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4953	4.9205	3.3749	6.0800e-003		0.2428	0.2428		0.2255	0.2255	0.0000	532.1123	532.1123	0.1498	0.0000	535.8565
Total	**0.4953**	**4.9205**	**3.3749**	**6.0800e-003**	**0.2016**	**0.2428**	**0.4444**	**0.0305**	**0.2255**	**0.2561**	**0.0000**	**532.1123**	**532.1123**	**0.1498**	**0.0000**	**535.8565**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2021

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					0.0786	0.0000	0.0786	0.0119	0.0000	0.0119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0724	0.3135	3.6433	6.0800e-003		9.6500e-003	9.6500e-003		9.6500e-003	9.6500e-003	0.0000	532.1117	532.1117	0.1498	0.0000	535.8559
Total	**0.0724**	**0.3135**	**3.6433**	**6.0800e-003**	**0.0786**	**9.6500e-003**	**0.0883**	**0.0119**	**9.6500e-003**	**0.0216**	**0.0000**	**532.1117**	**532.1117**	**0.1498**	**0.0000**	**535.8559**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	317.8785	317.8785	8.4100e-003	1.7400e-003	318.6073
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	317.8785	317.8785	8.4100e-003	1.7400e-003	318.6073
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	299460	148.8890	3.9400e-003	8.1000e-004	149.2304
Unenclosed Parking with Elevator	339888	168.9895	4.4700e-003	9.3000e-004	169.3769
Total		**317.8785**	**8.4100e-003**	**1.7400e-003**	**318.6073**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	299460	148.8890	3.9400e-003	8.1000e-004	149.2304
Unenclosed Parking with Elevator	339888	168.9895	4.4700e-003	9.3000e-004	169.3769
Total		**317.8785**	**8.4100e-003**	**1.7400e-003**	**318.6073**

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	0.1898	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0647	0.0647	1.7000e-004	0.0000	0.0690
Unmitigated	0.1898	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0647	0.0647	1.7000e-004	0.0000	0.0690

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	0.0331					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0700e-003	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0647	0.0647	1.7000e-004	0.0000	0.0690
Total	**0.1898**	**3.0000e-004**	**0.0332**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0647**	**0.0647**	**1.7000e-004**	**0.0000**	**0.0690**

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	0.0331					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0700e-003	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0647	0.0647	1.7000e-004	0.0000	0.0690
Total	**0.1898**	**3.0000e-004**	**0.0332**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0647**	**0.0647**	**1.7000e-004**	**0.0000**	**0.0690**

7.0 Water Detail

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Demolition - NEQ

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	30.90	Acre	30.90	1,346,004.00	0
Parking Lot	2,139.00	Space	19.25	855,600.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for demolition of NEQ only.

Land Use - see construction assumptions.

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Demolition -

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Demolition - NEQ - South Coast Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	70.00	313.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblLandUse	LotAcreage	3.94	1.17
tblTripsAndVMT	HaulingTripNumber	1,863.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.1651	31.4407	21.5650	0.0388	1.2885	1.5513	2.8398	0.1951	1.4411	1.6362	0.0000	3,747.9449	3,747.9449	1.0549	0.0000	3,774.3174
Maximum	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.2885**	**1.5513**	**2.8398**	**0.1951**	**1.4411**	**1.6362**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**	**0.0000**	**3,774.3174**

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	0.4623	2.0032	23.2798	0.0388	0.5025	0.0616	0.5641	0.0761	0.0616	0.1377	0.0000	3,747.9449	3,747.9449	1.0549	0.0000	3,774.3174
Maximum	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**0.5025**	**0.0616**	**0.5641**	**0.0761**	**0.0616**	**0.1377**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**	**0.0000**	**3,774.3174**

	ROG	NOx	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	**85.39**	**93.63**	**-7.95**	**0.00**	**61.00**	**96.03**	**80.13**	**61.00**	**95.72**	**91.58**	**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	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**	**0.0000**	**9.5000e-004**	**9.5000e-004**	**0.0000**	**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**	**0.0000**	**0.6080**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**	**0.0000**	**9.5000e-004**	**9.5000e-004**	**0.0000**	**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**	**0.0000**	**0.6080**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	12/31/2021	6	313	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 51.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					1.2885	0.0000	1.2885	0.1951	0.0000	0.1951			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.2885**	**1.5513**	**2.8398**	**0.1951**	**1.4411**	**1.6362**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5025	0.0000	0.5025	0.0761	0.0000	0.0761			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**0.5025**	**0.0616**	**0.5641**	**0.0761**	**0.0616**	**0.1377**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Unmitigated	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080

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	0.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0245	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**		**9.5000e-004**	**9.5000e-004**		**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**		**0.6080**

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	0.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0245	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**		**9.5000e-004**	**9.5000e-004**		**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**		**0.6080**

7.0 Water Detail

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Demolition - NEQ

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	30.90	Acre	30.90	1,346,004.00	0
Parking Lot	2,139.00	Space	19.25	855,600.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for demolition of NEQ only.

Land Use - see construction assumptions.

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Demolition -

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Demolition - NEQ - South Coast Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	70.00	313.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblLandUse	LotAcreage	3.94	1.17
tblTripsAndVMT	HaulingTripNumber	1,863.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.1651	31.4407	21.5650	0.0388	1.2885	1.5513	2.8398	0.1951	1.4411	1.6362	0.0000	3,747.9449	3,747.9449	1.0549	0.0000	3,774.3174
Maximum	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.2885**	**1.5513**	**2.8398**	**0.1951**	**1.4411**	**1.6362**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**	**0.0000**	**3,774.3174**

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	0.4623	2.0032	23.2798	0.0388	0.5025	0.0616	0.5641	0.0761	0.0616	0.1377	0.0000	3,747.9449	3,747.9449	1.0549	0.0000	3,774.3174
Maximum	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**0.5025**	**0.0616**	**0.5641**	**0.0761**	**0.0616**	**0.1377**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**	**0.0000**	**3,774.3174**

	ROG	NOx	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	**85.39**	**93.63**	**-7.95**	**0.00**	**61.00**	**96.03**	**80.13**	**61.00**	**95.72**	**91.58**	**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	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**	**0.0000**	**9.5000e-004**	**9.5000e-004**	**0.0000**	**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**	**0.0000**	**0.6080**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**	**0.0000**	**9.5000e-004**	**9.5000e-004**	**0.0000**	**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**	**0.0000**	**0.6080**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	12/31/2021	6	313	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 51.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

		NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2885	0.0000	1.2885	0.1951	0.0000	0.1951			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.2885**	**1.5513**	**2.8398**	**0.1951**	**1.4411**	**1.6362**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5025	0.0000	0.5025	0.0761	0.0000	0.0761			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**0.5025**	**0.0616**	**0.5641**	**0.0761**	**0.0616**	**0.1377**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Unmitigated	1.0475	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080

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	0.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0245	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**		**9.5000e-004**	**9.5000e-004**		**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**		**0.6080**

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	0.1811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0245	2.4100e-003	0.2658	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		0.5708	0.5708	1.4900e-003		0.6080
Total	**1.0475**	**2.4100e-003**	**0.2658**	**2.0000e-005**		**9.5000e-004**	**9.5000e-004**		**9.5000e-004**	**9.5000e-004**		**0.5708**	**0.5708**	**1.4900e-003**		**0.6080**

7.0 Water Detail

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Demolition - SEQ

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Other Asphalt Surfaces	13.44	Acre	13.44	585,446.40	0
Parking Lot	904.00	Space	8.14	361,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2026
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for demolition of SEQ only.

Land Use -

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Demolition -

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	155.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblTripsAndVMT	HaulingTripNumber	2,192.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

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					
2025	0.1622	1.4877	1.5049	3.0100e-003	0.2372	0.0661	0.3032	0.0359	0.0614	0.0973	0.0000	263.4818	263.4818	0.0736	0.0000	265.3211
Maximum	**0.1622**	**1.4877**	**1.5049**	**3.0100e-003**	**0.2372**	**0.0661**	**0.3032**	**0.0359**	**0.0614**	**0.0973**	**0.0000**	**263.4818**	**263.4818**	**0.0736**	**0.0000**	**265.3211**

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					
2025	0.0358	0.1553	1.8042	3.0100e-003	0.0925	4.7800e-003	0.0973	0.0140	4.7800e-003	0.0188	0.0000	263.4815	263.4815	0.0736	0.0000	265.3208
Maximum	**0.0358**	**0.1553**	**1.8042**	**3.0100e-003**	**0.0925**	**4.7800e-003**	**0.0973**	**0.0140**	**4.7800e-003**	**0.0188**	**0.0000**	**263.4815**	**263.4815**	**0.0736**	**0.0000**	**265.3208**

	ROG	NOx	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	**77.91**	**89.56**	**-19.89**	**0.00**	**61.00**	**92.77**	**67.92**	**61.01**	**92.21**	**80.69**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2025	3-31-2025	0.8212	0.0951
2	4-1-2025	6-30-2025	0.8303	0.0962
		Highest	0.8303	0.0962

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	1.1684	1.4000e-004	0.0151	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0294	0.0294	8.0000e-005	0.0000	0.0313
Energy	0.0165	0.1503	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	1,923.6308	1,923.6308	0.0497	0.0126	1,928.6383
Mobile	2.2972	11.3869	27.1328	0.1128	10.5320	0.0827	10.6147	2.8212	0.0768	2.8980	0.0000	10,464.1392	10,464.1392	0.4644	0.0000	10,475.7480
Waste						0.0000	0.0000		0.0000	0.0000	52.8589	0.0000	52.8589	3.1239	0.0000	130.9556
Water						0.0000	0.0000		0.0000	0.0000	17.2631	508.3099	525.5729	1.7865	0.0447	583.5415
Total	**3.4821**	**11.5373**	**27.2741**	**0.1137**	**10.5320**	**0.0942**	**10.6261**	**2.8212**	**0.0883**	**2.9094**	**70.1219**	**12,896.1093**	**12,966.2312**	**5.4245**	**0.0573**	**13,118.9147**

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	1.1684	1.4000e-004	0.0151	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0294	0.0294	8.0000e-005	0.0000	0.0313
Energy	0.0165	0.1503	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	1,923.6308	1,923.6308	0.0497	0.0126	1,928.6383
Mobile	2.2972	11.3869	27.1328	0.1128	10.5320	0.0827	10.6147	2.8212	0.0768	2.8980	0.0000	10,464.1392	10,464.1392	0.4644	0.0000	10,475.7480
Waste						0.0000	0.0000		0.0000	0.0000	52.8589	0.0000	52.8589	3.1239	0.0000	130.9556
Water						0.0000	0.0000		0.0000	0.0000	17.2631	508.3099	525.5729	1.7865	0.0447	583.5415
Total	**3.4821**	**11.5373**	**27.2741**	**0.1137**	**10.5320**	**0.0942**	**10.6261**	**2.8212**	**0.0883**	**2.9094**	**70.1219**	**12,896.1093**	**12,966.2312**	**5.4245**	**0.0573**	**13,118.9147**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	6/30/2025	6	155	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 21.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					0.2372	0.0000	0.2372	0.0359	0.0000	0.0359	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1622	1.4877	1.5049	3.0100e-003		0.0661	0.0661		0.0614	0.0614	0.0000	263.4818	263.4818	0.0736	0.0000	265.3211
Total	**0.1622**	**1.4877**	**1.5049**	**3.0100e-003**	**0.2372**	**0.0661**	**0.3032**	**0.0359**	**0.0614**	**0.0973**	**0.0000**	**263.4818**	**263.4818**	**0.0736**	**0.0000**	**265.3211**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2025

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					0.0925	0.0000	0.0925	0.0140	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0358	0.1553	1.8042	3.0100e-003		4.7800e-003	4.7800e-003		4.7800e-003	4.7800e-003	0.0000	263.4815	263.4815	0.0736	0.0000	265.3208
Total	**0.0358**	**0.1553**	**1.8042**	**3.0100e-003**	**0.0925**	**4.7800e-003**	**0.0973**	**0.0140**	**4.7800e-003**	**0.0188**	**0.0000**	**263.4815**	**263.4815**	**0.0736**	**0.0000**	**265.3208**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive 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	2.2972	11.3869	27.1328	0.1128	10.5320	0.0827	10.6147	2.8212	0.0768	2.8980	0.0000	10,464.1392	10,464.1392	0.4644	0.0000	10,475.7480
Unmitigated	2.2972	11.3869	27.1328	0.1128	10.5320	0.0827	10.6147	2.8212	0.0768	2.8980	0.0000	10,464.1392	10,464.1392	0.4644	0.0000	10,475.7480

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	250.92	47.52	24.48	839,222	839,222
Government Office Building	15,991.76	0.00	0.00	26,897,742	26,897,742
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	16,242.68	47.52	24.48	27,736,964	27,736,964

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Government Office Building	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Other Asphalt Surfaces	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Parking Lot	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,759.9790	1,759.9790	0.0466	9.6300e-003	1,764.0139
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,759.9790	1,759.9790	0.0466	9.6300e-003	1,764.0139
NaturalGas Mitigated	0.0165	0.1503	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.6519	163.6519	3.1400e-003	3.0000e-003	164.6244
NaturalGas Unmitigated	0.0165	0.1503	0.1263	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.6519	163.6519	3.1400e-003	3.0000e-003	164.6244

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					
General Light Industry	651600	3.5100e-003	0.0319	0.0268	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	34.7719	34.7719	6.7000e-004	6.4000e-004	34.9785
Government Office Building	2.41512e+006	0.0130	0.1184	0.0995	7.1000e-004		9.0000e-003	9.0000e-003		9.0000e-003	9.0000e-003	0.0000	128.8800	128.8800	2.4700e-003	2.3600e-003	129.6459
Other Asphalt Surfaces	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
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
Total		**0.0165**	**0.1503**	**0.1263**	**9.0000e-004**		**0.0114**	**0.0114**		**0.0114**	**0.0114**	**0.0000**	**163.6519**	**163.6519**	**3.1400e-003**	**3.0000e-003**	**164.6244**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	651600	3.5100e-003	0.0319	0.0268	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	34.7719	34.7719	6.7000e-004	6.4000e-004	34.9785
Government Office Building	2.41512e+006	0.0130	0.1184	0.0995	7.1000e-004		9.0000e-003	9.0000e-003		9.0000e-003	9.0000e-003	0.0000	128.8800	128.8800	2.4700e-003	2.3600e-003	129.6459
Other Asphalt Surfaces	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
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
Total		**0.0165**	**0.1503**	**0.1263**	**9.0000e-004**		**0.0114**	**0.0114**		**0.0114**	**0.0114**	**0.0000**	**163.6519**	**163.6519**	**3.1400e-003**	**3.0000e-003**	**164.6244**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	399600	198.6778	5.2600e-003	1.0900e-003	199.1333
Government Office Building	3.01368e+006	1,498.3766	0.0396	8.2000e-003	1,501.8118
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	126560	62.9246	1.6600e-003	3.4000e-004	63.0688
Total		**1,759.9790**	**0.0466**	**9.6300e-003**	**1,764.0139**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	399600	198.6778	5.2600e-003	1.0900e-003	199.1333
Government Office Building	3.01368e+006	1,498.3766	0.0396	8.2000e-003	1,501.8118
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	126560	62.9246	1.6600e-003	3.4000e-004	63.0688
Total		**1,759.9790**	**0.0466**	**9.6300e-003**	**1,764.0139**

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	1.1684	1.4000e-004	0.0151	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0294	0.0294	8.0000e-005	0.0000	0.0313
Unmitigated	1.1684	1.4000e-004	0.0151	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0294	0.0294	8.0000e-005	0.0000	0.0313

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	0.1374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3900e-003	1.4000e-004	0.0151	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0294	0.0294	8.0000e-005	0.0000	0.0313
Total	**1.1684**	**1.4000e-004**	**0.0151**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0294**	**0.0294**	**8.0000e-005**	**0.0000**	**0.0313**

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	0.1374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3900e-003	1.4000e-004	0.0151	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0294	0.0294	8.0000e-005	0.0000	0.0313
Total	**1.1684**	**1.4000e-004**	**0.0151**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0294**	**0.0294**	**8.0000e-005**	**0.0000**	**0.0313**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	525.5729	1.7865	0.0447	583.5415
Unmitigated	525.5729	1.7865	0.0447	583.5415

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	56.5366	0.2727	6.7000e-003	65.3507
Government Office Building	46.089 / 28.2481	469.0363	1.5138	0.0380	518.1908
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**525.5729**	**1.7865**	**0.0447**	**583.5415**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	56.5366	0.2727	6.7000e-003	65.3507
Government Office Building	46.089 / 28.2481	469.0363	1.5138	0.0380	518.1908
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**525.5729**	**1.7865**	**0.0447**	**583.5415**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.8589	3.1239	0.0000	130.9556
Unmitigated	52.8589	3.1239	0.0000	130.9556

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Government Office Building	215.76	43.7973	2.5884	0.0000	108.5060
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**52.8589**	**3.1239**	**0.0000**	**130.9556**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Government Office Building	215.76	43.7973	2.5884	0.0000	108.5060
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**52.8589**	**3.1239**	**0.0000**	**130.9556**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Demolition - SEQ

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Other Asphalt Surfaces	13.44	Acre	13.44	585,446.40	0
Parking Lot	904.00	Space	8.14	361,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2026
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Demolition - SEQ - South Coast Air Basin, Summer

Project Characteristics - Construction run for demolition of SEQ only.

Land Use -

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Demolition -

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	155.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblTripsAndVMT	HaulingTripNumber	2,192.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.0926	19.1966	19.4184	0.0388	3.0601	0.8528	3.9128	0.4633	0.7920	1.2553	0.0000	3,747.5996	3,747.5996	1.0464	0.0000	3,773.7606
Maximum	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**3.0601**	**0.8528**	**3.9128**	**0.4633**	**0.7920**	**1.2553**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**	**0.0000**	**3,773.7606**

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					
2025	0.4623	2.0032	23.2798	0.0388	1.1934	0.0616	1.2551	0.1807	0.0616	0.2423	0.0000	3,747.5996	3,747.5996	1.0464	0.0000	3,773.7606
Maximum	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.1934**	**0.0616**	**1.2551**	**0.1807**	**0.0616**	**0.2423**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**	**0.0000**	**3,773.7606**

	ROG	NOx	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	**77.91**	**89.56**	**-19.89**	**0.00**	**61.00**	**92.77**	**67.92**	**61.00**	**92.22**	**80.70**	**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	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Energy	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413
Mobile	19.0651	85.1530	216.6334	0.9004	82.3769	0.6346	83.0115	22.0328	0.5891	22.6219		92,011.1943	92,011.1943	3.9369		92,109.6170
Total	**25.5614**	**85.9778**	**217.4460**	**0.9054**	**82.3769**	**0.6977**	**83.0746**	**22.0328**	**0.6521**	**22.6849**		**92,999.9211**	**92,999.9211**	**3.9565**	**0.0181**	**93,104.2346**

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	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Energy	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413
Mobile	19.0651	85.1530	216.6334	0.9004	82.3769	0.6346	83.0115	22.0328	0.5891	22.6219		92,011.1943	92,011.1943	3.9369		92,109.6170
Total	**25.5614**	**85.9778**	**217.4460**	**0.9054**	**82.3769**	**0.6977**	**83.0746**	**22.0328**	**0.6521**	**22.6849**		**92,999.9211**	**92,999.9211**	**3.9565**	**0.0181**	**93,104.2346**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	6/30/2025	6	155	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 21.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					3.0601	0.0000	3.0601	0.4633	0.0000	0.4633			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**3.0601**	**0.8528**	**3.9128**	**0.4633**	**0.7920**	**1.2553**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1934	0.0000	1.1934	0.1807	0.0000	0.1807			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.1934**	**0.0616**	**1.2551**	**0.1807**	**0.0616**	**0.2423**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	19.0651	85.1530	216.6334	0.9004	82.3769	0.6346	83.0115	22.0328	0.5891	22.6219		92,011.1943	92,011.1943	3.9369		92,109.6170
Unmitigated	19.0651	85.1530	216.6334	0.9004	82.3769	0.6346	83.0115	22.0328	0.5891	22.6219		92,011.1943	92,011.1943	3.9369		92,109.6170

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	250.92	47.52	24.48	839,222	839,222
Government Office Building	15,991.76	0.00	0.00	26,897,742	26,897,742
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	16,242.68	47.52	24.48	27,736,964	27,736,964

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Government Office Building	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Other Asphalt Surfaces	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Parking Lot	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413
NaturalGas Unmitigated	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413

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					
General Light Industry	1785.21	0.0193	0.1750	0.1470	1.0500e-003		0.0133	0.0133		0.0133	0.0133		210.0242	210.0242	4.0300e-003	3.8500e-003	211.2722
Government Office Building	6616.77	0.0714	0.6487	0.5449	3.8900e-003		0.0493	0.0493		0.0493	0.0493		778.4432	778.4432	0.0149	0.0143	783.0691
Other Asphalt Surfaces	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
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
Total		**0.0906**	**0.8237**	**0.6919**	**4.9400e-003**		**0.0626**	**0.0626**		**0.0626**	**0.0626**		**988.4674**	**988.4674**	**0.0190**	**0.0181**	**994.3413**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.78521	0.0193	0.1750	0.1470	1.0500e-003		0.0133	0.0133		0.0133	0.0133		210.0242	210.0242	4.0300e-003	3.8500e-003	211.2722
Government Office Building	6.61677	0.0714	0.6487	0.5449	3.8900e-003		0.0493	0.0493		0.0493	0.0493		778.4432	778.4432	0.0149	0.0143	783.0691
Other Asphalt Surfaces	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
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
Total		**0.0906**	**0.8237**	**0.6919**	**4.9400e-003**		**0.0626**	**0.0626**		**0.0626**	**0.0626**		**988.4674**	**988.4674**	**0.0190**	**0.0181**	**994.3413**

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	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Unmitigated	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763

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	0.7528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6418					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0111	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Total	**6.4058**	**1.0900e-003**	**0.1207**	**1.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**0.2594**	**0.2594**	**6.7000e-004**		**0.2763**

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	0.7528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6418					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0111	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Total	**6.4058**	**1.0900e-003**	**0.1207**	**1.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**0.2594**	**0.2594**	**6.7000e-004**		**0.2763**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type						

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

11.0 Vegetation

Demolition - SEQ

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Other Asphalt Surfaces	13.44	Acre	13.44	585,446.40	0
Parking Lot	904.00	Space	8.14	361,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2026
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for demolition of SEQ only.

Land Use -

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Demolition -

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	155.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblTripsAndVMT	HaulingTripNumber	2,192.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.0926	19.1966	19.4184	0.0388	3.0601	0.8528	3.9128	0.4633	0.7920	1.2553	0.0000	3,747.5996	3,747.5996	1.0464	0.0000	3,773.7606
Maximum	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**3.0601**	**0.8528**	**3.9128**	**0.4633**	**0.7920**	**1.2553**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**	**0.0000**	**3,773.7606**

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					
2025	0.4623	2.0032	23.2798	0.0388	1.1934	0.0616	1.2551	0.1807	0.0616	0.2423	0.0000	3,747.5996	3,747.5996	1.0464	0.0000	3,773.7606
Maximum	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.1934**	**0.0616**	**1.2551**	**0.1807**	**0.0616**	**0.2423**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**	**0.0000**	**3,773.7606**

	ROG	NOx	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	**77.91**	**89.56**	**-19.89**	**0.00**	**61.00**	**92.77**	**67.92**	**61.00**	**92.22**	**80.70**	**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	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Energy	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413
Mobile	18.1857	86.1158	205.9243	0.8543	82.3769	0.6377	83.0146	22.0328	0.5920	22.6248		87,341.6633	87,341.6633	3.9684		87,440.8722
Total	**24.6821**	**86.9406**	**206.7369**	**0.8592**	**82.3769**	**0.7007**	**83.0776**	**22.0328**	**0.6550**	**22.6878**		**88,330.3901**	**88,330.3901**	**3.9880**	**0.0181**	**88,435.4898**

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	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Energy	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413
Mobile	18.1857	86.1158	205.9243	0.8543	82.3769	0.6377	83.0146	22.0328	0.5920	22.6248		87,341.6633	87,341.6633	3.9684		87,440.8722
Total	**24.6821**	**86.9406**	**206.7369**	**0.8592**	**82.3769**	**0.7007**	**83.0776**	**22.0328**	**0.6550**	**22.6878**		**88,330.3901**	**88,330.3901**	**3.9880**	**0.0181**	**88,435.4898**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	6/30/2025	6	155	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 21.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					3.0601	0.0000	3.0601	0.4633	0.0000	0.4633			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**3.0601**	**0.8528**	**3.9128**	**0.4633**	**0.7920**	**1.2553**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1934	0.0000	1.1934	0.1807	0.0000	0.1807			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.1934**	**0.0616**	**1.2551**	**0.1807**	**0.0616**	**0.2423**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	18.1857	86.1158	205.9243	0.8543	82.3769	0.6377	83.0146	22.0328	0.5920	22.6248		87,341.6633	87,341.6633	3.9684		87,440.8722
Unmitigated	18.1857	86.1158	205.9243	0.8543	82.3769	0.6377	83.0146	22.0328	0.5920	22.6248		87,341.6633	87,341.6633	3.9684		87,440.8722

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	250.92	47.52	24.48	839,222	839,222
Government Office Building	15,991.76	0.00	0.00	26,897,742	26,897,742
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	16,242.68	47.52	24.48	27,736,964	27,736,964

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Government Office Building	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Other Asphalt Surfaces	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Parking Lot	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413
NaturalGas Unmitigated	0.0906	0.8237	0.6919	4.9400e-003		0.0626	0.0626		0.0626	0.0626		988.4674	988.4674	0.0190	0.0181	994.3413

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					
General Light Industry	1785.21	0.0193	0.1750	0.1470	1.0500e-003		0.0133	0.0133		0.0133	0.0133		210.0242	210.0242	4.0300e-003	3.8500e-003	211.2722
Government Office Building	6616.77	0.0714	0.6487	0.5449	3.8900e-003		0.0493	0.0493		0.0493	0.0493		778.4432	778.4432	0.0149	0.0143	783.0691
Other Asphalt Surfaces	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
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
Total		**0.0906**	**0.8237**	**0.6919**	**4.9400e-003**		**0.0626**	**0.0626**		**0.0626**	**0.0626**		**988.4674**	**988.4674**	**0.0190**	**0.0181**	**994.3413**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.78521	0.0193	0.1750	0.1470	1.0500e-003		0.0133	0.0133		0.0133	0.0133		210.0242	210.0242	4.0300e-003	3.8500e-003	211.2722
Government Office Building	6.61677	0.0714	0.6487	0.5449	3.8900e-003		0.0493	0.0493		0.0493	0.0493		778.4432	778.4432	0.0149	0.0143	783.0691
Other Asphalt Surfaces	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
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
Total		**0.0906**	**0.8237**	**0.6919**	**4.9400e-003**		**0.0626**	**0.0626**		**0.0626**	**0.0626**		**988.4674**	**988.4674**	**0.0190**	**0.0181**	**994.3413**

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	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Unmitigated	6.4058	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763

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	0.7528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6418					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0111	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Total	**6.4058**	**1.0900e-003**	**0.1207**	**1.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**0.2594**	**0.2594**	**6.7000e-004**		**0.2763**

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	0.7528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6418					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0111	1.0900e-003	0.1207	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		0.2594	0.2594	6.7000e-004		0.2763
Total	**6.4058**	**1.0900e-003**	**0.1207**	**1.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**0.2594**	**0.2594**	**6.7000e-004**		**0.2763**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Building Construction NEQ

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.08	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Other Asphalt Surfaces	864.00	1000sqft	19.83	864,000.00	0
Parking Lot	200.00	Space	1.80	80,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Building Construction NEQ - South Coast Air Basin, Annual

Project Characteristics - Construction run for building construction of the NEQ only.

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Grading - see construction assumptions

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Building Construction NEQ - South Coast Air Basin, Annual

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	45.00	62.00
tblConstructionPhase	NumDays	500.00	617.00
tblConstructionPhase	NumDays	35.00	41.00
tblConstructionPhase	NumDays	35.00	41.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	155.00	30.21
tblGrading	MaterialExported	0.00	158,048.00
tblGrading	MaterialImported	0.00	21,671.00
tblLandUse	LotAcreage	8.15	4.08
tblLandUse	LotAcreage	28.62	3.44
tblTripsAndVMT	HaulingTripNumber	22,465.00	0.00
tblTripsAndVMT	VendorTripNumber	429.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,064.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

tblTripsAndVMT	WorkerTripNumber	213.00	0.00

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					
2022	0.3411	3.3386	2.9872	5.4200e-003	0.3935	0.1603	0.5538	0.2052	0.1494	0.3546	0.0000	470.1393	470.1393	0.1296	0.0000	473.3796
2023	0.2454	2.2440	2.5341	4.2000e-003	0.0000	0.1092	0.1092	0.0000	0.1027	0.1027	0.0000	361.6154	361.6154	0.0860	0.0000	363.7660
2024	2.2735	0.7177	0.9351	1.5300e-003	0.0000	0.0336	0.0336	0.0000	0.0314	0.0314	0.0000	132.0727	132.0727	0.0339	0.0000	132.9192
Maximum	**2.2735**	**3.3386**	**2.9872**	**5.4200e-003**	**0.3935**	**0.1603**	**0.5538**	**0.2052**	**0.1494**	**0.3546**	**0.0000**	**470.1393**	**470.1393**	**0.1296**	**0.0000**	**473.3796**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0930	0.4336	3.2713	5.4200e-003	0.1535	0.0155	0.1690	0.0800	0.0155	0.0956	0.0000	470.1388	470.1388	0.1296	0.0000	473.3790
2023	0.0840	0.4136	2.7520	4.2000e-003	0.0000	0.0145	0.0145	0.0000	0.0145	0.0145	0.0000	361.6150	361.6150	0.0860	0.0000	363.7655
2024	2.2207	0.1242	1.0443	1.5300e-003	0.0000	4.0100e-003	4.0100e-003	0.0000	4.0100e-003	4.0100e-003	0.0000	132.0726	132.0726	0.0339	0.0000	132.9190
Maximum	**2.2207**	**0.4336**	**3.2713**	**5.4200e-003**	**0.1535**	**0.0155**	**0.1690**	**0.0800**	**0.0155**	**0.0956**	**0.0000**	**470.1388**	**470.1388**	**0.1296**	**0.0000**	**473.3790**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**16.16**	**84.58**	**-9.47**	**0.00**	**61.00**	**88.76**	**73.08**	**61.00**	**87.99**	**76.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2022**	**3-31-2022**	1.5741	0.1404
2	**4-1-2022**	**6-30-2022**	0.7402	0.1290
3	**7-1-2022**	**9-30-2022**	0.6830	0.1283
4	**10-1-2022**	**12-31-2022**	0.6830	0.1283
5	**1-1-2023**	**3-31-2023**	0.6155	0.1230
6	**4-1-2023**	**6-30-2023**	0.6223	0.1244
7	**7-1-2023**	**9-30-2023**	0.6292	0.1258
8	**10-1-2023**	**12-31-2023**	0.6292	0.1258
9	**1-1-2024**	**3-31-2024**	0.5752	0.1216
10	**4-1-2024**	**6-30-2024**	2.4223	2.2306
		Highest	2.4223	2.2306

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	1.8144	5.4000e-004	0.0592	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1153	0.1153	3.0000e-004	0.0000	0.1228
Energy	0.0244	0.2220	0.1865	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	4,029.1112	4,029.1112	0.1048	0.0252	4,039.2304
Mobile	3.8796	18.2699	46.5138	0.1819	16.0380	0.1341	16.1721	4.2967	0.1246	4.4213	0.0000	16,841.4029	16,841.4029	0.7769	0.0000	16,860.8243
Waste						0.0000	0.0000		0.0000	0.0000	78.5961	0.0000	78.5961	4.6449	0.0000	194.7184
Water						0.0000	0.0000		0.0000	0.0000	25.7489	764.1988	789.9477	2.6649	0.0666	876.4250
Total	**5.7184**	**18.4924**	**46.7594**	**0.1832**	**16.0380**	**0.1512**	**16.1891**	**4.2967**	**0.1416**	**4.4384**	**104.3449**	**21,634.8282**	**21,739.1731**	**8.1918**	**0.0918**	**21,971.3210**

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	1.8144	5.4000e-004	0.0592	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1153	0.1153	3.0000e-004	0.0000	0.1228
Energy	0.0244	0.2220	0.1865	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	4,029.1112	4,029.1112	0.1048	0.0252	4,039.2304
Mobile	3.8796	18.2699	46.5138	0.1819	16.0380	0.1341	16.1721	4.2967	0.1246	4.4213	0.0000	16,841.4029	16,841.4029	0.7769	0.0000	16,860.8243
Waste						0.0000	0.0000		0.0000	0.0000	78.5961	0.0000	78.5961	4.6449	0.0000	194.7184
Water						0.0000	0.0000		0.0000	0.0000	25.7489	764.1988	789.9477	2.6649	0.0666	876.4250
Total	**5.7184**	**18.4924**	**46.7594**	**0.1832**	**16.0380**	**0.1512**	**16.1891**	**4.2967**	**0.1416**	**4.4384**	**104.3449**	**21,634.8282**	**21,739.1731**	**8.1918**	**0.0918**	**21,971.3210**

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

3.0 Construction Detail

Construction Phase

Building Construction NEQ - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	1/24/2022	6	20	
2	Grading	Grading	1/25/2022	4/6/2022	6	62	
3	Building Construction	Building Construction	4/7/2022	3/26/2024	6	617	
4	Paving	Paving	3/27/2024	5/13/2024	6	41	
5	Architectural Coating	Architectural Coating	5/14/2024	6/30/2024	6	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 30.21

Acres of Paving: 25.07

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 601,500; Non-Residential Outdoor: 200,500; Striped Parking Area: 132,960 (Architectural Coating sqft)

OffRoad Equipment

Building Construction NEQ - South Coast Air Basin, 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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7098
Total	**0.0317**	**0.3308**	**0.1970**	**3.8000e-004**	**0.1807**	**0.0161**	**0.1968**	**0.0993**	**0.0148**	**0.1142**	**0.0000**	**33.4394**	**33.4394**	**0.0108**	**0.0000**	**33.7098**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					0.0705	0.0000	0.0705	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0202	0.2087	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.4394	33.4394	0.0108	0.0000	33.7097
Total	**4.6600e-003**	**0.0202**	**0.2087**	**3.8000e-004**	**0.0705**	**6.2000e-004**	**0.0711**	**0.0387**	**6.2000e-004**	**0.0394**	**0.0000**	**33.4394**	**33.4394**	**0.0108**	**0.0000**	**33.7097**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Grading - 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					
Fugitive Dust					0.2129	0.0000	0.2129	0.1059	0.0000	0.1059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1124	1.2042	0.9003	1.9200e-003		0.0507	0.0507		0.0466	0.0466	0.0000	169.0573	169.0573	0.0547	0.0000	170.4242
Total	**0.1124**	**1.2042**	**0.9003**	**1.9200e-003**	**0.2129**	**0.0507**	**0.2636**	**0.1059**	**0.0466**	**0.1525**	**0.0000**	**169.0573**	**169.0573**	**0.0547**	**0.0000**	**170.4242**

3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					0.0830	0.0000	0.0830	0.0413	0.0000	0.0413	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.1023	1.0230	1.9200e-003		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	169.0571	169.0571	0.0547	0.0000	170.4240
Total	**0.0236**	**0.1023**	**1.0230**	**1.9200e-003**	**0.0830**	**3.1500e-003**	**0.0862**	**0.0413**	**3.1500e-003**	**0.0445**	**0.0000**	**169.0571**	**169.0571**	**0.0547**	**0.0000**	**170.4240**

3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.1971	1.8036	1.8900	3.1100e-003		0.0934	0.0934		0.0879	0.0879	0.0000	267.6427	267.6427	0.0641	0.0000	269.2457
Total	**0.1971**	**1.8036**	**1.8900**	**3.1100e-003**		**0.0934**	**0.0934**		**0.0879**	**0.0879**	**0.0000**	**267.6427**	**267.6427**	**0.0641**	**0.0000**	**269.2457**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0648	0.3111	2.0396	3.1100e-003		0.0118	0.0118		0.0118	0.0118	0.0000	267.6423	267.6423	0.0641	0.0000	269.2453
Total	**0.0648**	**0.3111**	**2.0396**	**3.1100e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**267.6423**	**267.6423**	**0.0641**	**0.0000**	**269.2453**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2023

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	0.2454	2.2440	2.5341	4.2000e-003		0.1092	0.1092		0.1027	0.1027	0.0000	361.6154	361.6154	0.0860	0.0000	363.7660
Total	**0.2454**	**2.2440**	**2.5341**	**4.2000e-003**		**0.1092**	**0.1092**		**0.1027**	**0.1027**	**0.0000**	**361.6154**	**361.6154**	**0.0860**	**0.0000**	**363.7660**

3.4 Building Construction - 2023

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0840	0.4136	2.7520	4.2000e-003		0.0145	0.0145		0.0145	0.0145	0.0000	361.6150	361.6150	0.0860	0.0000	363.7655
Total	**0.0840**	**0.4136**	**2.7520**	**4.2000e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**361.6150**	**361.6150**	**0.0860**	**0.0000**	**363.7655**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

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

3.4 Building Construction - 2024

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	0.0545	0.4974	0.5982	1.0000e-003		0.0227	0.0227		0.0214	0.0214	0.0000	85.7842	85.7842	0.0203	0.0000	86.2913
Total	**0.0545**	**0.4974**	**0.5982**	**1.0000e-003**		**0.0227**	**0.0227**		**0.0214**	**0.0214**	**0.0000**	**85.7842**	**85.7842**	**0.0203**	**0.0000**	**86.2913**

3.4 Building Construction - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0192	0.0966	0.6522	1.0000e-003		3.1600e-003	3.1600e-003		3.1600e-003	3.1600e-003	0.0000	85.7841	85.7841	0.0203	0.0000	86.2912
Total	**0.0192**	**0.0966**	**0.6522**	**1.0000e-003**		**3.1600e-003**	**3.1600e-003**		**3.1600e-003**	**3.1600e-003**	**0.0000**	**85.7841**	**85.7841**	**0.0203**	**0.0000**	**86.2912**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

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

3.5 Paving - 2024

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	0.0203	0.1953	0.2998	4.7000e-004		9.6000e-003	9.6000e-003		8.8400e-003	8.8400e-003	0.0000	41.0544	41.0544	0.0133	0.0000	41.3863
Paving	0.0283					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0486**	**0.1953**	**0.2998**	**4.7000e-004**		**9.6000e-003**	**9.6000e-003**		**8.8400e-003**	**8.8400e-003**	**0.0000**	**41.0544**	**41.0544**	**0.0133**	**0.0000**	**41.3863**

3.5 Paving - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	5.7500e-003	0.0249	0.3546	4.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	41.0543	41.0543	0.0133	0.0000	41.3863
Paving	0.0283					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0341**	**0.0249**	**0.3546**	**4.7000e-004**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**41.0543**	**41.0543**	**0.0133**	**0.0000**	**41.3863**

3.5 Paving - 2024

Mitigated Construction Off-Site

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

3.6 Architectural Coating - 2024

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	2.1668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7100e-003	0.0250	0.0371	6.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2415
Total	**2.1705**	**0.0250**	**0.0371**	**6.0000e-005**		**1.2500e-003**	**1.2500e-003**		**1.2500e-003**	**1.2500e-003**	**0.0000**	**5.2342**	**5.2342**	**2.9000e-004**	**0.0000**	**5.2415**

3.6 Architectural Coating - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	2.1668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2415
Total	**2.1674**	**2.6400e-003**	**0.0376**	**6.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**5.2342**	**5.2342**	**2.9000e-004**	**0.0000**	**5.2415**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive 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	3.8796	18.2699	46.5138	0.1819	16.0380	0.1341	16.1721	4.2967	0.1246	4.4213	0.0000	16,841.4029	16,841.4029	0.7769	0.0000	16,860.8243
Unmitigated	3.8796	18.2699	46.5138	0.1819	16.0380	0.1341	16.1721	4.2967	0.1246	4.4213	0.0000	16,841.4029	16,841.4029	0.7769	0.0000	16,860.8243

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	320.62	60.72	31.28	1,072,339	1,072,339
Government Office Building	24,470.15	0.00	0.00	41,158,183	41,158,183
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	24,790.77	60.72	31.28	42,230,522	42,230,522

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Other Asphalt Surfaces	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,787.4719	3,787.4719	0.1002	0.0207	3,796.1552
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,787.4719	3,787.4719	0.1002	0.0207	3,796.1552
NaturalGas Mitigated	0.0244	0.2220	0.1865	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	241.6393	241.6393	4.6300e-003	4.4300e-003	243.0753
NaturalGas Unmitigated	0.0244	0.2220	0.1865	1.3300e-003		0.0169	0.0169		0.0169	0.0169	0.0000	241.6393	241.6393	4.6300e-003	4.4300e-003	243.0753

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					
General Light Industry	832600	4.4900e-003	0.0408	0.0343	2.4000e-004		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.0000	44.4307	44.4307	8.5000e-004	8.1000e-004	44.6947
Government Office Building	3.69555e+006	0.0199	0.1812	0.1522	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.2086	197.2086	3.7800e-003	3.6200e-003	198.3805
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0244**	**0.2220**	**0.1865**	**1.3300e-003**		**0.0169**	**0.0169**		**0.0169**	**0.0169**	**0.0000**	**241.6393**	**241.6393**	**4.6300e-003**	**4.4300e-003**	**243.0753**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	832600	4.4900e-003	0.0408	0.0343	2.4000e-004		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.0000	44.4307	44.4307	8.5000e-004	8.1000e-004	44.6947
Government Office Building	3.69555e+006	0.0199	0.1812	0.1522	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.2086	197.2086	3.7800e-003	3.6200e-003	198.3805
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.0244**	**0.2220**	**0.1865**	**1.3300e-003**		**0.0169**	**0.0169**		**0.0169**	**0.0169**	**0.0000**	**241.6393**	**241.6393**	**4.6300e-003**	**4.4300e-003**	**243.0753**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	510600	253.8661	6.7200e-003	1.3900e-003	254.4481
Government Office Building	4.61145e+006	2,292.7745	0.0607	0.0126	2,298.0310
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	28000	13.9214	3.7000e-004	8.0000e-005	13.9533
Unenclosed Parking with Elevator	2.46768e+006	1,226.9099	0.0325	6.7200e-003	1,229.7228
Total		**3,787.4719**	**0.1002**	**0.0207**	**3,796.1552**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	510600	253.8661	6.7200e-003	1.3900e-003	254.4481
Government Office Building	4.61145e+006	2,292.7745	0.0607	0.0126	2,298.0310
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	28000	13.9214	3.7000e-004	8.0000e-005	13.9533
Unenclosed Parking with Elevator	2.46768e+006	1,226.9099	0.0325	6.7200e-003	1,229.7228
Total		**3,787.4719**	**0.1002**	**0.0207**	**3,796.1552**

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	1.8144	5.4000e-004	0.0592	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1153	0.1153	3.0000e-004	0.0000	0.1228
Unmitigated	1.8144	5.4000e-004	0.0592	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1153	0.1153	3.0000e-004	0.0000	0.1228

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	0.2167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.4600e-003	5.4000e-004	0.0592	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1153	0.1153	3.0000e-004	0.0000	0.1228
Total	**1.8144**	**5.4000e-004**	**0.0592**	**0.0000**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.1153**	**0.1153**	**3.0000e-004**	**0.0000**	**0.1228**

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	0.2167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.4600e-003	5.4000e-004	0.0592	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1153	0.1153	3.0000e-004	0.0000	0.1228
Total	**1.8144**	**5.4000e-004**	**0.0592**	**0.0000**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.1153**	**0.1153**	**3.0000e-004**	**0.0000**	**0.1228**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	789.9477	2.6649	0.0666	876.4250
Unmitigated	789.9477	2.6649	0.0666	876.4250

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	72.2413	0.3485	8.5600e-003	83.5037
Government Office Building	70.5242 / 43.2245	717.7064	2.3164	0.0581	792.9213
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**789.9477**	**2.6649**	**0.0666**	**876.4250**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	72.2413	0.3485	8.5600e-003	83.5037
Government Office Building	70.5242 / 43.2245	717.7064	2.3164	0.0581	792.9213
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**789.9477**	**2.6649**	**0.0666**	**876.4250**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	78.5961	4.6449	0.0000	194.7184
Unmitigated	78.5961	4.6449	0.0000	194.7184

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	57.04	11.5786	0.6843	0.0000	28.6855
Government Office Building	330.15	67.0175	3.9606	0.0000	166.0329
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**78.5961**	**4.6449**	**0.0000**	**194.7184**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	57.04	11.5786	0.6843	0.0000	28.6855
Government Office Building	330.15	67.0175	3.9606	0.0000	166.0329
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**78.5961**	**4.6449**	**0.0000**	**194.7184**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Building Construction NEQ

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.08	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Other Asphalt Surfaces	864.00	1000sqft	19.83	864,000.00	0
Parking Lot	200.00	Space	1.80	80,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Building Construction NEQ - South Coast Air Basin, Summer

Project Characteristics - Construction run for building construction of the NEQ only.

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Grading - see construction assumptions

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Building Construction NEQ - South Coast Air Basin, Summer

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	45.00	62.00
tblConstructionPhase	NumDays	500.00	617.00
tblConstructionPhase	NumDays	35.00	41.00
tblConstructionPhase	NumDays	35.00	41.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	155.00	30.21
tblGrading	MaterialExported	0.00	158,048.00
tblGrading	MaterialImported	0.00	21,671.00
tblLandUse	LotAcreage	8.15	4.08
tblLandUse	LotAcreage	28.62	3.44
tblTripsAndVMT	HaulingTripNumber	22,465.00	0.00
tblTripsAndVMT	VendorTripNumber	429.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,064.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

tblTripsAndVMT	WorkerTripNumber	213.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6248	38.8435	29.0415	0.0621	18.0663	1.6349	19.6788	9.9307	1.5041	11.4143	0.0000	6,011.4105	6,011.4105	1.9442	0.0000	6,060.0158
2023	1.5728	14.3849	16.2440	0.0269	0.0000	0.6997	0.6997	0.0000	0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079	0.0000	2,570.4061
2024	105.8769	13.4438	16.1668	0.0270	0.0000	0.6133	0.6133	0.0000	0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.7140	0.0000	2,570.8077
Maximum	**105.8769**	**38.8435**	**29.0415**	**0.0621**	**18.0663**	**1.6349**	**19.6788**	**9.9307**	**1.5041**	**11.4143**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**	**0.0000**	**6,060.0158**

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					
2022	0.7616	3.3000	32.9991	0.0621	7.0458	0.1018	7.1079	3.8730	0.1018	3.9351	0.0000	6,011.4105	6,011.4105	1.9442	0.0000	6,060.0158
2023	0.5385	2.6513	17.6413	0.0269	0.0000	0.0930	0.0930	0.0000	0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079	0.0000	2,570.4061
2024	105.7258	2.6115	17.6271	0.0270	0.0000	0.0853	0.0853	0.0000	0.0853	0.0853	0.0000	2,555.6989	2,555.6989	0.7140	0.0000	2,570.8077
Maximum	**105.7258**	**3.3000**	**32.9991**	**0.0621**	**7.0458**	**0.1018**	**7.1079**	**3.8730**	**0.1018**	**3.9351**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**	**0.0000**	**6,060.0158**

Building Construction NEQ - South Coast Air Basin, Summer

	ROG	NOx	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	3.64	87.16	-11.09	0.00	61.00	90.50	65.29	61.00	89.78	67.48	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	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Energy	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897
Mobile	32.1624	136.2194	371.3765	1.4530	125.4758	1.0288	126.5046	33.5650	0.9556	34.5207		148,211.0268	148,211.0268	6.5984		148,375.9870
Total	**42.2519**	**137.4399**	**372.8716**	**1.4604**	**125.4758**	**1.1229**	**126.5987**	**33.5650**	**1.0498**	**34.6148**		**149,671.5599**	**149,671.5599**	**6.6290**	**0.0268**	**149,845.2597**

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	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Energy	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897
Mobile	32.1624	136.2194	371.3765	1.4530	125.4758	1.0288	126.5046	33.5650	0.9556	34.5207		148,211.0268	148,211.0268	6.5984		148,375.9870
Total	**42.2519**	**137.4399**	**372.8716**	**1.4604**	**125.4758**	**1.1229**	**126.5987**	**33.5650**	**1.0498**	**34.6148**		**149,671.5599**	**149,671.5599**	**6.6290**	**0.0268**	**149,845.2597**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	1/24/2022	6	20	
2	Grading	Grading	1/25/2022	4/6/2022	6	62	
3	Building Construction	Building Construction	4/7/2022	3/26/2024	6	617	
4	Paving	Paving	3/27/2024	5/13/2024	6	41	
5	Architectural Coating	Architectural Coating	5/14/2024	6/30/2024	6	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 30.21

Acres of Paving: 25.07

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 601,500; Non-Residential Outdoor: 200,500; Striped Parking Area: 132,960 (Architectural Coating sqft)

OffRoad Equipment

Building Construction NEQ - South Coast Air Basin, 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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**7.0458**	**0.0621**	**7.1079**	**3.8730**	**0.0621**	**3.9351**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Grading - 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					
Fugitive Dust					6.8666	0.0000	6.8666	3.4157	0.0000	3.4157			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.8666**	**1.6349**	**8.5015**	**3.4157**	**1.5041**	**4.9198**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6780	0.0000	2.6780	1.3321	0.0000	1.3321			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**0.7616**	**3.3000**	**32.9991**	**0.0621**	**2.6780**	**0.1015**	**2.7795**	**1.3321**	**0.1015**	**1.4337**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**0.5608**	**2.6936**	**17.6592**	**0.0269**		**0.1018**	**0.1018**		**0.1018**	**0.1018**	**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.4 Building Construction - 2023

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**0.5385**	**2.6513**	**17.6413**	**0.0269**		**0.0930**	**0.0930**		**0.0930**	**0.0930**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.4 Building Construction - 2023

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5199	2.6115	17.6271	0.0270		0.0853	0.0853		0.0853	0.0853	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**0.5199**	**2.6115**	**17.6271**	**0.0270**		**0.0853**	**0.0853**		**0.0853**	**0.0853**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 Paving - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.3822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3704**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.5 Paving - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.3822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6627**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.5 Paving - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.6 Architectural Coating - 2024

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	105.6961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**105.8769**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	105.6961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**105.7258**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	32.1624	136.2194	371.3765	1.4530	125.4758	1.0288	126.5046	33.5650	0.9556	34.5207		148,211.0268	148,211.0268	6.5984		148,375.9870
Unmitigated	32.1624	136.2194	371.3765	1.4530	125.4758	1.0288	126.5046	33.5650	0.9556	34.5207		148,211.0268	148,211.0268	6.5984		148,375.9870

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	320.62	60.72	31.28	1,072,339	1,072,339
Government Office Building	24,470.15	0.00	0.00	41,158,183	41,158,183
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	24,790.77	60.72	31.28	42,230,522	42,230,522

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Other Asphalt Surfaces	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897
NaturalGas Unmitigated	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897

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					
General Light Industry	2281.1	0.0246	0.2236	0.1879	1.3400e-003		0.0170	0.0170		0.0170	0.0170		268.3642	268.3642	5.1400e-003	4.9200e-003	269.9590
Government Office Building	10124.8	0.1092	0.9926	0.8338	5.9600e-003		0.0754	0.0754		0.0754	0.0754		1,191.1523	1,191.1523	0.0228	0.0218	1,198.2307
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.1338**	**1.2163**	**1.0217**	**7.3000e-003**		**0.0924**	**0.0924**		**0.0924**	**0.0924**		**1,459.5165**	**1,459.5165**	**0.0280**	**0.0268**	**1,468.1897**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.2811	0.0246	0.2236	0.1879	1.3400e-003		0.0170	0.0170		0.0170	0.0170		268.3642	268.3642	5.1400e-003	4.9200e-003	269.9590
Government Office Building	10.1248	0.1092	0.9926	0.8338	5.9600e-003		0.0754	0.0754		0.0754	0.0754		1,191.1523	1,191.1523	0.0228	0.0218	1,198.2307
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.1338**	**1.2163**	**1.0217**	**7.3000e-003**		**0.0924**	**0.0924**		**0.0924**	**0.0924**		**1,459.5165**	**1,459.5165**	**0.0280**	**0.0268**	**1,468.1897**

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	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Unmitigated	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829

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	1.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.7247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0437	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Total	**9.9557**	**4.3000e-003**	**0.4735**	**4.0000e-005**		**1.6900e-003**	**1.6900e-003**		**1.6900e-003**	**1.6900e-003**		**1.0166**	**1.0166**	**2.6500e-003**		**1.0829**

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	1.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.7247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0437	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Total	**9.9557**	**4.3000e-003**	**0.4735**	**4.0000e-005**		**1.6900e-003**	**1.6900e-003**		**1.6900e-003**	**1.6900e-003**		**1.0166**	**1.0166**	**2.6500e-003**		**1.0829**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Building Construction NEQ

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.08	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Other Asphalt Surfaces	864.00	1000sqft	19.83	864,000.00	0
Parking Lot	200.00	Space	1.80	80,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Building Construction NEQ - South Coast Air Basin, Winter

Project Characteristics - Construction run for building construction of the NEQ only.

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Grading - see construction assumptions

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Building Construction NEQ - South Coast Air Basin, Winter

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	45.00	62.00
tblConstructionPhase	NumDays	500.00	617.00
tblConstructionPhase	NumDays	35.00	41.00
tblConstructionPhase	NumDays	35.00	41.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	155.00	30.21
tblGrading	MaterialExported	0.00	158,048.00
tblGrading	MaterialImported	0.00	21,671.00
tblLandUse	LotAcreage	8.15	4.08
tblLandUse	LotAcreage	28.62	3.44
tblTripsAndVMT	HaulingTripNumber	22,465.00	0.00
tblTripsAndVMT	VendorTripNumber	429.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,064.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

tblTripsAndVMT	WorkerTripNumber	213.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6248	38.8435	29.0415	0.0621	18.0663	1.6349	19.6788	9.9307	1.5041	11.4143	0.0000	6,011.4105	6,011.4105	1.9442	0.0000	6,060.0158
2023	1.5728	14.3849	16.2440	0.0269	0.0000	0.6997	0.6997	0.0000	0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079	0.0000	2,570.4061
2024	105.8769	13.4438	16.1668	0.0270	0.0000	0.6133	0.6133	0.0000	0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.7140	0.0000	2,570.8077
Maximum	**105.8769**	**38.8435**	**29.0415**	**0.0621**	**18.0663**	**1.6349**	**19.6788**	**9.9307**	**1.5041**	**11.4143**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**	**0.0000**	**6,060.0158**

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					
2022	0.7616	3.3000	32.9991	0.0621	7.0458	0.1018	7.1079	3.8730	0.1018	3.9351	0.0000	6,011.4105	6,011.4105	1.9442	0.0000	6,060.0158
2023	0.5385	2.6513	17.6413	0.0269	0.0000	0.0930	0.0930	0.0000	0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079	0.0000	2,570.4061
2024	105.7258	2.6115	17.6271	0.0270	0.0000	0.0853	0.0853	0.0000	0.0853	0.0853	0.0000	2,555.6989	2,555.6989	0.7140	0.0000	2,570.8077
Maximum	**105.7258**	**3.3000**	**32.9991**	**0.0621**	**7.0458**	**0.1018**	**7.1079**	**3.8730**	**0.1018**	**3.9351**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**	**0.0000**	**6,060.0158**

Building Construction NEQ - South Coast Air Basin, Winter

	ROG	NOx	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	**3.64**	**87.16**	**-11.09**	**0.00**	**61.00**	**90.50**	**65.29**	**61.00**	**89.78**	**67.48**	**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	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Energy	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897
Mobile	30.7095	138.1419	352.9637	1.3776	125.4758	1.0345	126.5103	33.5650	0.9612	34.5262		140,605.3257	140,605.3257	6.6340		140,771.1753
Total	**40.7990**	**139.3625**	**354.4588**	**1.3850**	**125.4758**	**1.1287**	**126.6045**	**33.5650**	**1.0553**	**34.6203**		**142,065.8588**	**142,065.8588**	**6.6646**	**0.0268**	**142,240.4479**

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	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Energy	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897
Mobile	30.7095	138.1419	352.9637	1.3776	125.4758	1.0345	126.5103	33.5650	0.9612	34.5262		140,605.3257	140,605.3257	6.6340		140,771.1753
Total	**40.7990**	**139.3625**	**354.4588**	**1.3850**	**125.4758**	**1.1287**	**126.6045**	**33.5650**	**1.0553**	**34.6203**		**142,065.8588**	**142,065.8588**	**6.6646**	**0.0268**	**142,240.4479**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	1/24/2022	6	20	
2	Grading	Grading	1/25/2022	4/6/2022	6	62	
3	Building Construction	Building Construction	4/7/2022	3/26/2024	6	617	
4	Paving	Paving	3/27/2024	5/13/2024	6	41	
5	Architectural Coating	Architectural Coating	5/14/2024	6/30/2024	6	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 30.21

Acres of Paving: 25.07

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 601,500; Non-Residential Outdoor: 200,500; Striped Parking Area: 132,960 (Architectural Coating sqft)

OffRoad Equipment

Building Construction NEQ - South Coast Air Basin, 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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**7.0458**	**0.0621**	**7.1079**	**3.8730**	**0.0621**	**3.9351**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Grading - 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					
Fugitive Dust					6.8666	0.0000	6.8666	3.4157	0.0000	3.4157			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.8666**	**1.6349**	**8.5015**	**3.4157**	**1.5041**	**4.9198**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6780	0.0000	2.6780	1.3321	0.0000	1.3321			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**0.7616**	**3.3000**	**32.9991**	**0.0621**	**2.6780**	**0.1015**	**2.7795**	**1.3321**	**0.1015**	**1.4337**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**0.5608**	**2.6936**	**17.6592**	**0.0269**		**0.1018**	**0.1018**		**0.1018**	**0.1018**	**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.4 Building Construction - 2023

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**0.5385**	**2.6513**	**17.6413**	**0.0269**		**0.0930**	**0.0930**		**0.0930**	**0.0930**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.4 Building Construction - 2023

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5199	2.6115	17.6271	0.0270		0.0853	0.0853		0.0853	0.0853	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**0.5199**	**2.6115**	**17.6271**	**0.0270**		**0.0853**	**0.0853**		**0.0853**	**0.0853**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 Paving - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.3822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3704**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.5 Paving - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.3822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6627**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.5 Paving - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.6 Architectural Coating - 2024

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	105.6961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**105.8769**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	105.6961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**105.7258**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	30.7095	138.1419	352.9637	1.3776	125.4758	1.0345	126.5103	33.5650	0.9612	34.5262		140,605.3257	140,605.3257	6.6340		140,771.1753
Unmitigated	30.7095	138.1419	352.9637	1.3776	125.4758	1.0345	126.5103	33.5650	0.9612	34.5262		140,605.3257	140,605.3257	6.6340		140,771.1753

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	320.62	60.72	31.28	1,072,339	1,072,339
Government Office Building	24,470.15	0.00	0.00	41,158,183	41,158,183
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	24,790.77	60.72	31.28	42,230,522	42,230,522

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Other Asphalt Surfaces	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897
NaturalGas Unmitigated	0.1338	1.2163	1.0217	7.3000e-003		0.0924	0.0924		0.0924	0.0924		1,459.5165	1,459.5165	0.0280	0.0268	1,468.1897

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					
General Light Industry	2281.1	0.0246	0.2236	0.1879	1.3400e-003		0.0170	0.0170		0.0170	0.0170		268.3642	268.3642	5.1400e-003	4.9200e-003	269.9590
Government Office Building	10124.8	0.1092	0.9926	0.8338	5.9600e-003		0.0754	0.0754		0.0754	0.0754		1,191.1523	1,191.1523	0.0228	0.0218	1,198.2307
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.1338**	**1.2163**	**1.0217**	**7.3000e-003**		**0.0924**	**0.0924**		**0.0924**	**0.0924**		**1,459.5165**	**1,459.5165**	**0.0280**	**0.0268**	**1,468.1897**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.2811	0.0246	0.2236	0.1879	1.3400e-003		0.0170	0.0170		0.0170	0.0170		268.3642	268.3642	5.1400e-003	4.9200e-003	269.9590
Government Office Building	10.1248	0.1092	0.9926	0.8338	5.9600e-003		0.0754	0.0754		0.0754	0.0754		1,191.1523	1,191.1523	0.0228	0.0218	1,198.2307
Other Asphalt Surfaces	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
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
Unenclosed Parking with Elevator	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
Total		**0.1338**	**1.2163**	**1.0217**	**7.3000e-003**		**0.0924**	**0.0924**		**0.0924**	**0.0924**		**1,459.5165**	**1,459.5165**	**0.0280**	**0.0268**	**1,468.1897**

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	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Unmitigated	9.9557	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829

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	1.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.7247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0437	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Total	**9.9557**	**4.3000e-003**	**0.4735**	**4.0000e-005**		**1.6900e-003**	**1.6900e-003**		**1.6900e-003**	**1.6900e-003**		**1.0166**	**1.0166**	**2.6500e-003**		**1.0829**

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	1.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.7247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0437	4.3000e-003	0.4735	4.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003		1.0166	1.0166	2.6500e-003		1.0829
Total	**9.9557**	**4.3000e-003**	**0.4735**	**4.0000e-005**		**1.6900e-003**	**1.6900e-003**		**1.6900e-003**	**1.6900e-003**		**1.0166**	**1.0166**	**2.6500e-003**		**1.0829**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Building Construction SEQ

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	557.75	1000sqft	12.80	557,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2026
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for building construction of the SEQ only.

Land Use -

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Grading - see construction assumptions

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

Building Construction SEQ - South Coast Air Basin, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	6.00
tblConstructionPhase	NumDays	300.00	277.00

tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	15.00	12.80
tblGrading	MaterialExported	0.00	20,700.00
tblTripsAndVMT	HaulingTripNumber	2,588.00	0.00
tblTripsAndVMT	VendorTripNumber	91.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	234.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	47.00	0.00

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					
2025	0.1137	1.0443	1.3033	2.2500e-003	0.0441	0.0441	0.0881	0.0208	0.0413	0.0621	0.0000	193.6382	193.6382	0.0473	0.0000	194.8196
2026	0.1888	0.8599	1.1361	1.8900e-003	0.0000	0.0368	0.0368	0.0000	0.0346	0.0346	0.0000	163.0696	163.0696	0.0393	0.0000	164.0508
Maximum	**0.1888**	**1.0443**	**1.3033**	**2.2500e-003**	**0.0441**	**0.0441**	**0.0881**	**0.0208**	**0.0413**	**0.0621**	**0.0000**	**193.6382**	**193.6382**	**0.0473**	**0.0000**	**194.8196**

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					
2025	0.0405	0.2049	1.4410	2.2500e-003	0.0172	6.2700e-003	0.0235	8.1000e-003	6.2700e-003	0.0144	0.0000	193.6379	193.6379	0.0473	0.0000	194.8194
2026	0.1285	0.1728	1.2525	1.8900e-003	0.0000	5.2900e-003	5.2900e-003	0.0000	5.2900e-003	5.2900e-003	0.0000	163.0694	163.0694	0.0393	0.0000	164.0506
Maximum	**0.1285**	**0.2049**	**1.4410**	**2.2500e-003**	**0.0172**	**6.2700e-003**	**0.0235**	**8.1000e-003**	**6.2700e-003**	**0.0144**	**0.0000**	**193.6379**	**193.6379**	**0.0473**	**0.0000**	**194.8194**

	ROG	NOx	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	**44.12**	**80.17**	**-10.42**	**0.00**	**60.99**	**85.70**	**76.98**	**61.00**	**84.77**	**79.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Building Construction SEQ - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2025	9-30-2025	0.6085	0.1238
2	10-1-2025	12-31-2025	0.5456	0.1213
3	1-1-2026	3-31-2026	0.5337	0.1187
4	4-1-2026	6-30-2026	0.5156	0.1819
		Highest	0.6085	0.1819

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0445	6.0000e-005	7.1000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0445**	**6.0000e-005**	**7.1000e-003**	**0.0000**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0138**	**0.0138**	**4.0000e-005**	**0.0000**	**0.0147**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0445	6.0000e-005	7.1000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0445**	**6.0000e-005**	**7.1000e-003**	**0.0000**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0138**	**0.0138**	**4.0000e-005**	**0.0000**	**0.0147**

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

3.0 Construction Detail

Construction Phase

Building Construction SEQ - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2025	7/2/2025	6	2	
2	Grading	Grading	7/3/2025	7/9/2025	6	6	
3	Building Construction	Building Construction	7/10/2025	5/28/2026	6	277	
4	Paving	Paving	5/29/2026	6/14/2026	6	14	
5	Architectural Coating	Architectural Coating	6/15/2026	6/30/2026	6	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.8

Acres of Paving: 12.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 33,465 (Architectural Coating sqft)

OffRoad Equipment

Building Construction SEQ - South Coast Air Basin, 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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					0.0181	0.0000	0.0181	9.9300e-003	0.0000	9.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4700e-003	0.0252	0.0179	4.0000e-005		1.0900e-003	1.0900e-003		1.0000e-003	1.0000e-003	0.0000	3.3467	3.3467	1.0800e-003	0.0000	3.3738
Total	**2.4700e-003**	**0.0252**	**0.0179**	**4.0000e-005**	**0.0181**	**1.0900e-003**	**0.0192**	**9.9300e-003**	**1.0000e-003**	**0.0109**	**0.0000**	**3.3467**	**3.3467**	**1.0800e-003**	**0.0000**	**3.3738**

3.2 Site Preparation - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					7.0500e-003	0.0000	7.0500e-003	3.8700e-003	0.0000	3.8700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-004	2.0200e-003	0.0209	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.3467	3.3467	1.0800e-003	0.0000	3.3738
Total	**4.7000e-004**	**2.0200e-003**	**0.0209**	**4.0000e-005**	**7.0500e-003**	**6.0000e-005**	**7.1100e-003**	**3.8700e-003**	**6.0000e-005**	**3.9300e-003**	**0.0000**	**3.3467**	**3.3467**	**1.0800e-003**	**0.0000**	**3.3738**

3.2 Site Preparation - 2025

Mitigated Construction Off-Site

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

3.3 Grading - 2025

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					0.0260	0.0000	0.0260	0.0108	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-003	0.0838	0.0790	1.9000e-004		3.3900e-003	3.3900e-003		3.1200e-003	3.1200e-003	0.0000	16.3519	16.3519	5.2900e-003	0.0000	16.4841
Total	**8.7000e-003**	**0.0838**	**0.0790**	**1.9000e-004**	**0.0260**	**3.3900e-003**	**0.0294**	**0.0108**	**3.1200e-003**	**0.0140**	**0.0000**	**16.3519**	**16.3519**	**5.2900e-003**	**0.0000**	**16.4841**

3.3 Grading - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					0.0102	0.0000	0.0102	4.2300e-003	0.0000	4.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2800e-003	9.9000e-003	0.0990	1.9000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	16.3518	16.3518	5.2900e-003	0.0000	16.4841
Total	**2.2800e-003**	**9.9000e-003**	**0.0990**	**1.9000e-004**	**0.0102**	**3.0000e-004**	**0.0105**	**4.2300e-003**	**3.0000e-004**	**4.5300e-003**	**0.0000**	**16.3518**	**16.3518**	**5.2900e-003**	**0.0000**	**16.4841**

3.3 Grading - 2025

Mitigated Construction Off-Site

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

3.4 Building Construction - 2025

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	0.1026	0.9352	1.2064	2.0200e-003		0.0396	0.0396		0.0372	0.0372	0.0000	173.9396	173.9396	0.0409	0.0000	174.9618
Total	**0.1026**	**0.9352**	**1.2064**	**2.0200e-003**		**0.0396**	**0.0396**		**0.0372**	**0.0372**	**0.0000**	**173.9396**	**173.9396**	**0.0409**	**0.0000**	**174.9618**

3.4 Building Construction - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0378	0.1930	1.3211	2.0200e-003		5.9100e-003	5.9100e-003		5.9100e-003	5.9100e-003	0.0000	173.9394	173.9394	0.0409	0.0000	174.9616
Total	**0.0378**	**0.1930**	**1.3211**	**2.0200e-003**		**5.9100e-003**	**5.9100e-003**		**5.9100e-003**	**5.9100e-003**	**0.0000**	**173.9394**	**173.9394**	**0.0409**	**0.0000**	**174.9616**

3.4 Building Construction - 2025

Mitigated Construction Off-Site

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

3.4 Building Construction - 2026

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	0.0868	0.7918	1.0214	1.7100e-003		0.0335	0.0335		0.0315	0.0315	0.0000	147.2689	147.2689	0.0346	0.0000	148.1343
Total	**0.0868**	**0.7918**	**1.0214**	**1.7100e-003**		**0.0335**	**0.0335**		**0.0315**	**0.0315**	**0.0000**	**147.2689**	**147.2689**	**0.0346**	**0.0000**	**148.1343**

3.4 Building Construction - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0320	0.1634	1.1186	1.7100e-003		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	147.2687	147.2687	0.0346	0.0000	148.1341
Total	**0.0320**	**0.1634**	**1.1186**	**1.7100e-003**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**	**0.0000**	**147.2687**	**147.2687**	**0.0346**	**0.0000**	**148.1341**

3.4 Building Construction - 2026

Mitigated Construction Off-Site

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

3.5 Paving - 2026

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	6.4100e-003	0.0601	0.1021	1.6000e-004		2.9300e-003	2.9300e-003		2.7000e-003	2.7000e-003	0.0000	14.0135	14.0135	4.5300e-003	0.0000	14.1268
Paving	0.0168					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0232**	**0.0601**	**0.1021**	**1.6000e-004**		**2.9300e-003**	**2.9300e-003**		**2.7000e-003**	**2.7000e-003**	**0.0000**	**14.0135**	**14.0135**	**4.5300e-003**	**0.0000**	**14.1268**

3.5 Paving - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.9600e-003	8.5100e-003	0.1211	1.6000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	14.0135	14.0135	4.5300e-003	0.0000	14.1268
Paving	0.0168					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0187**	**8.5100e-003**	**0.1211**	**1.6000e-004**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**14.0135**	**14.0135**	**4.5300e-003**	**0.0000**	**14.1268**

3.5 Paving - 2026

Mitigated Construction Off-Site

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

3.6 Architectural Coating - 2026

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	0.0776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	8.0200e-003	0.0127	2.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.7873	1.7873	1.0000e-004	0.0000	1.7897
Total	**0.0788**	**8.0200e-003**	**0.0127**	**2.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**1.7873**	**1.7873**	**1.0000e-004**	**0.0000**	**1.7897**

3.6 Architectural Coating - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1000e-004	9.0000e-004	0.0128	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.7873	1.7873	1.0000e-004	0.0000	1.7897
Total	**0.0778**	**9.0000e-004**	**0.0128**	**2.0000e-005**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**1.7873**	**1.7873**	**1.0000e-004**	**0.0000**	**1.7897**

3.6 Architectural Coating - 2026

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
Other Asphalt Surfaces	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0445	6.0000e-005	7.1000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Unmitigated	0.0445	6.0000e-005	7.1000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147

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	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	7.1000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Total	**0.0445**	**6.0000e-005**	**7.1000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0138**	**0.0138**	**4.0000e-005**	**0.0000**	**0.0147**

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	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	7.1000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Total	**0.0445**	**6.0000e-005**	**7.1000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0138**	**0.0138**	**4.0000e-005**	**0.0000**	**0.0147**

7.0 Water Detail

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Building Construction SEQ

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	557.75	1000sqft	12.80	557,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2026
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for building construction of the SEQ only.

Land Use -

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Grading - see construction assumptions

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	6.00
tblConstructionPhase	NumDays	300.00	277.00

tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	15.00	12.80
tblGrading	MaterialExported	0.00	20,700.00
tblTripsAndVMT	HaulingTripNumber	2,588.00	0.00
tblTripsAndVMT	VendorTripNumber	91.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	234.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	47.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.9012	27.9429	26.3311	0.0621	18.0663	1.1309	19.1531	9.9307	1.0404	10.9305	0.0000	6,008.2814	6,008.2814	1.9432	0.0000	6,056.8614
2026	11.2502	12.4697	16.0847	0.0270	0.0000	0.5276	0.5276	0.0000	0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.7137	0.0000	2,571.4981
Maximum	**11.2502**	**27.9429**	**26.3311**	**0.0621**	**18.0663**	**1.1309**	**19.1531**	**9.9307**	**1.0404**	**10.9305**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**	**0.0000**	**6,056.8614**

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					
2025	0.7616	3.3000	32.9991	0.0621	7.0458	0.1015	7.1079	3.8730	0.1015	3.9351	0.0000	6,008.2814	6,008.2814	1.9432	0.0000	6,056.8614
2026	11.1090	2.5728	17.6150	0.0270	0.0000	0.0788	0.0788	0.0000	0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.7137	0.0000	2,571.4981
Maximum	**11.1090**	**3.3000**	**32.9991**	**0.0621**	**7.0458**	**0.1015**	**7.1079**	**3.8730**	**0.1015**	**3.9351**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**	**0.0000**	**6,056.8614**

	ROG	NOx	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	**16.12**	**85.47**	**-19.33**	**0.00**	**61.00**	**89.13**	**63.48**	**61.00**	**88.27**	**64.87**	**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	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**	**0.0000**	**2.0000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**	**0.0000**	**0.1300**

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	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**	**0.0000**	**2.0000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**	**0.0000**	**0.1300**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2025	7/2/2025	6	2	
2	Grading	Grading	7/3/2025	7/9/2025	6	6	
3	Building Construction	Building Construction	7/10/2025	5/28/2026	6	277	
4	Paving	Paving	5/29/2026	6/14/2026	6	14	
5	Architectural Coating	Architectural Coating	6/15/2026	6/30/2026	6	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.8

Acres of Paving: 12.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 33,465 (Architectural Coating sqft)

OffRoad Equipment

Building Construction SEQ - South Coast Air Basin, 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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**0.4656**	**2.0175**	**20.8690**	**0.0381**	**7.0458**	**0.0621**	**7.1079**	**3.8730**	**0.0621**	**3.9351**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Grading - 2025

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					8.6747	0.0000	8.6747	3.6136	0.0000	3.6136			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**8.6747**	**1.1309**	**9.8055**	**3.6136**	**1.0404**	**4.6540**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.3 Grading - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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					3.3831	0.0000	3.3831	1.4093	0.0000	1.4093			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**0.7616**	**3.3000**	**32.9991**	**0.0621**	**3.3831**	**0.1015**	**3.4847**	**1.4093**	**0.1015**	**1.5108**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.3 Grading - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**0.5038**	**2.5728**	**17.6150**	**0.0270**		**0.0788**	**0.0788**		**0.0788**	**0.0788**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**0.5038**	**2.5728**	**17.6150**	**0.0270**		**0.0788**	**0.0788**		**0.0788**	**0.0788**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 Paving - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	2.3954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.3106**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.5 Paving - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	2.3954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6759**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.5 Paving - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.6 Architectural Coating - 2026

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	11.0793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**11.2502**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.6 Architectural Coating - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	11.0793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**11.1090**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.6 Architectural Coating - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Asphalt Surfaces	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Unmitigated	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**		**0.1300**

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**		**0.1300**

7.0 Water Detail

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Building Construction SEQ

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	557.75	1000sqft	12.80	557,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2026
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1096.12	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run for building construction of the SEQ only.

Land Use -

Construction Phase - see construction assumptions

Trips and VMT - construction mobile emissions calculated outside of CalEEMod.

Grading - see construction assumptions

Energy Use -

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	6.00
tblConstructionPhase	NumDays	300.00	277.00

tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	15.00	12.80
tblGrading	MaterialExported	0.00	20,700.00
tblTripsAndVMT	HaulingTripNumber	2,588.00	0.00
tblTripsAndVMT	VendorTripNumber	91.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	234.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	47.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.9012	27.9429	26.3311	0.0621	18.0663	1.1309	19.1531	9.9307	1.0404	10.9305	0.0000	6,008.2814	6,008.2814	1.9432	0.0000	6,056.8614
2026	11.2502	12.4697	16.0847	0.0270	0.0000	0.5276	0.5276	0.0000	0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.7137	0.0000	2,571.4981
Maximum	**11.2502**	**27.9429**	**26.3311**	**0.0621**	**18.0663**	**1.1309**	**19.1531**	**9.9307**	**1.0404**	**10.9305**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**	**0.0000**	**6,056.8614**

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					
2025	0.7616	3.3000	32.9991	0.0621	7.0458	0.1015	7.1079	3.8730	0.1015	3.9351	0.0000	6,008.2814	6,008.2814	1.9432	0.0000	6,056.8614
2026	11.1090	2.5728	17.6150	0.0270	0.0000	0.0788	0.0788	0.0000	0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.7137	0.0000	2,571.4981
Maximum	**11.1090**	**3.3000**	**32.9991**	**0.0621**	**7.0458**	**0.1015**	**7.1079**	**3.8730**	**0.1015**	**3.9351**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**	**0.0000**	**6,056.8614**

	ROG	NOx	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	**16.12**	**85.47**	**-19.33**	**0.00**	**61.00**	**89.13**	**63.48**	**61.00**	**88.27**	**64.87**	**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	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**	**0.0000**	**2.0000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**	**0.0000**	**0.1300**

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	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**	**0.0000**	**2.0000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**	**0.0000**	**0.1300**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2025	7/2/2025	6	2	
2	Grading	Grading	7/3/2025	7/9/2025	6	6	
3	Building Construction	Building Construction	7/10/2025	5/28/2026	6	277	
4	Paving	Paving	5/29/2026	6/14/2026	6	14	
5	Architectural Coating	Architectural Coating	6/15/2026	6/30/2026	6	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.8

Acres of Paving: 12.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 33,465 (Architectural Coating sqft)

OffRoad Equipment

Building Construction SEQ - South Coast Air Basin, 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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**0.4656**	**2.0175**	**20.8690**	**0.0381**	**7.0458**	**0.0621**	**7.1079**	**3.8730**	**0.0621**	**3.9351**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Grading - 2025

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					8.6747	0.0000	8.6747	3.6136	0.0000	3.6136			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**8.6747**	**1.1309**	**9.8055**	**3.6136**	**1.0404**	**4.6540**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.3 Grading - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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					3.3831	0.0000	3.3831	1.4093	0.0000	1.4093			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**0.7616**	**3.3000**	**32.9991**	**0.0621**	**3.3831**	**0.1015**	**3.4847**	**1.4093**	**0.1015**	**1.5108**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.3 Grading - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**0.5038**	**2.5728**	**17.6150**	**0.0270**		**0.0788**	**0.0788**		**0.0788**	**0.0788**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2025

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**0.5038**	**2.5728**	**17.6150**	**0.0270**		**0.0788**	**0.0788**		**0.0788**	**0.0788**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Building Construction - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 Paving - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	2.3954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.3106**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.5 Paving - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	2.3954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6759**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.5 Paving - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.6 Architectural Coating - 2026

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	11.0793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**11.2502**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.6 Architectural Coating - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	11.0793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**11.1090**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.6 Architectural Coating - 2026

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Asphalt Surfaces	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Unmitigated	0.2453	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**		**0.1300**

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0568	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1221	0.1221	3.2000e-004		0.1300
Total	**0.2453**	**5.1000e-004**	**0.0568**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1221**	**0.1221**	**3.2000e-004**		**0.1300**

7.0 Water Detail

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX E-3

OPERATIONAL EMISSIONS CALCULATIONS

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2018 SUMMARY OF PEAK OPERATIONAL EMISSIONS

Calculations for Project Operational Emissions in TONS/YEAR (2018)

Existing No Action Operational Activities	POLLUTANT EMISSIONS (TONS/YEAR)					
	VOC	**NOx**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
No Action Area Emissions	4.30	1.01E-03	0.11	1.00E-05	3.90E-04	3.90E-04
No Action Energy Emissions	0.02	0.21	0.18	1.28E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
No Action Mobile Emissions - Passengers	29.46	64.53	271.27	0.63	55.44	15.53
No Action Mobile Emissions - Employees	1.24	1.09	12.52	0.03	2.87	0.77
No Action Aircraft emissions	109.08	175.53	1197.79	39.17	2.29	2.29
No Action GSE Emissions	7.54	27.08	161.88	1.22	1.52	1.52
No Action Emissions	151.72	270.21	1644.83	41.04	62.14	20.14
Net Emissions	**-151.7**	**-270.2**	**-1644.8**	**-41.0**	**-62.1**	**-20.1**
De Minimis Thresholds	10	10	100	100	100	70
Exceeds De Minimis?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

2024 SUMMARY OF PEAK OPERATIONAL EMISSIONS

Calculations for Project Operational and Construction Emissions in TONS/YEAR (2024)

Proposed Action Construction and Operational Activities	POLLUTANT EMISSIONS (TONS/YEAR)					
	VOC	**NOx**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Area	4.56	9.45E-04	0.10	1.00E-05	3.70E-04	3.70E-04
Energy	0.03	0.23	0.19	1.39E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
Mobile - Passengers	23.24	39.98	210.85	0.63	65.33	17.78
Mobile - Employees	0.80	0.54	7.92	0.02	2.87	0.77
Aircraft	81.11	425.50	1495.73	43.52	3.31	3.31
Ground Support Equipment	8.97	32.23	192.64	1.45	1.80	1.80
Construction Emissions	2.29	1.24	2.87	0.01	0.55	0.16
Total Maximum Emissions	**121.09**	**501.48**	**1911.39**	**45.63**	**73.89**	**23.84**
No Action Area Emissions	4.30	9.60E-04	0.11	1.00E-05	3.80E-04	3.80E-04
No Action Energy Emissions	0.02	0.21	0.18	1.28E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
No Action Mobile Emissions - Passengers	22.92	39.42	207.92	0.62	64.42	17.53
No Action Mobile Emissions - Employees	0.80	0.54	7.92	0.02	2.87	0.77
No Action Aircraft emissions	81.11	425.50	1495.73	43.52	3.31	3.31
No Action GSE Emissions	8.97	32.23	192.64	1.45	1.80	1.80
No Action Emissions	118.21	499.67	1905.57	45.61	72.43	23.44
Net Emissions	**2.88**	**1.81**	**5.81**	**0.02**	**1.47**	**0.41**
De Minimis Thresholds	10	10	100	100	100	70
Exceeds De Minimis?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Note: Replacement terminal and surrounding facilities are built through mid-2024, so emissions reflect 6 months of existing terminal operation and concurrent construction of new replacement terminal, as well as 6 months of new replacement terminal operation after the new replacement terminal is built.

2025 SUMMARY OF PEAK OPERATIONAL EMISSIONS

Calculations for Project Operational Emissions in TONS/YEAR (2025)

Operational Activities	POLLUTANT EMISSIONS (TONS/YEAR)					
	VOC	**NOx**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Area	4.82	9.30E-04	0.10	1.00E-05	3.60E-04	3.60E-04
Energy	0.03	0.25	0.21	1.50E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
Mobile - Passengers	22.90	39.75	207.21	0.63	67.39	18.33
Mobile - Employees	0.76	0.49	7.50	0.02	2.87	0.77
Aircraft	76.87	431.49	1480.46	42.63	3.29	3.29
Ground Support Equipment	9.10	32.67	195.26	1.47	1.83	1.83
Construction Emissions	0.15	2.05	4.94	0.01	0.59	0.17
Total Maximum Emissions	**114.73**	**508.48**	**1896.76**	**44.77**	**76.00**	**24.42**
No Action Area Emissions	4.29	9.60E-04	0.11	1.00E-05	3.80E-04	3.80E-04
No Action Energy Emissions	0.02	0.21	0.18	1.28E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
No Action Mobile Emissions - Passengers	22.28	38.66	201.52	0.62	65.54	17.83
No Action Mobile Emissions - Employees	0.76	0.49	7.50	0.02	2.87	0.77
No Action Aircraft emissions	76.91	431.54	1480.85	42.64	3.29	3.29
No Action GSE Emissions	9.10	32.67	195.26	1.47	1.83	1.83
No Action Emissions	113.45	505.34	1886.49	44.75	73.55	23.74
Net Emissions	**1.28**	**3.13**	**10.27**	**0.02**	**2.45**	**0.67**
De Minimis Thresholds	10	10	100	100	100	70
Exceeds De Minimis?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
2012 AQMP Budget	73	365	N/A	N/A	N/A	N/A

2029 SUMMARY OF PEAK OPERATIONAL EMISSIONS

Calculations for Project Operational Emissions in TONS/YEAR (2029)

Proposed Action Operational Activities	POLLUTANT EMISSIONS (TONS/YEAR)					
	VOC	**NOx**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Area	4.82	9.30E-04	0.10	1.00E-05	3.60E-04	3.60E-04
Energy	0.03	0.25	0.21	1.50E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
Mobile - Passengers	20.68	37.39	189.60	0.60	70.67	19.18
Mobile - Employees	0.63	0.37	6.41	0.02	2.86	0.77
Aircraft	59.92	455.47	1419.38	39.06	3.23	3.23
Ground Support Equipment	9.58	34.42	205.74	1.55	1.93	1.93
Construction Emissions						
Total Maximum Emissions	**95.76**	**529.69**	**1822.51**	**41.24**	**78.72**	**25.13**
No Action Area Emissions	4.29	9.60E-04	0.11	1.00E-05	3.80E-04	3.80E-04
No Action Energy Emissions	0.02	0.21	0.18	1.28E-03	0.02	0.02
Emergency Generators	0.09	1.77	1.09	2.27E-05	0.01	0.01
No Action Mobile Emissions - Passengers	20.11	36.37	184.39	0.59	68.73	18.66
No Action Mobile Emissions - Employees	0.63	0.37	6.41	0.02	2.86	0.77
No Action Aircraft emissions	60.13	455.71	1421.30	39.13	3.23	3.23
No Action GSE Emissions	9.58	34.42	205.74	1.55	1.93	1.93
No Action Emissions	94.86	528.86	1819.21	41.29	76.78	24.61
Net Emissions	**0.90**	**0.83**	**3.31**	**-0.05**	**1.94**	**0.53**
De Minimis Thresholds	10	10	100	100	100	70
Exceeds De Minimis?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Construction Greenhouse Gas Emissions Inventory

	Off-Road Equipment	On-Road Emissions	CO2e Emissions (metric tons per year) Total Emissions Per Year
Year 2021	536	543	1,079
Year 2022	473	3,616	4,089
Year 2023	364	2,897	3,260
Year 2024	133	708	841
Year 2025	460	841	1,301
Demo-SEQ	265	417	682
Building Construction-SEQ	195	424	619
Year 2026	164	233	397
Subtotal	2,130	8,837	10,967
		Total Construction GHG Emissions for Proposed Action	10,967

No Action Alternative Greenhouse Gas Emissions Inventory

2018 — **Operational Emissions Inventory**

Emissions Source	CO2e Emissions (metric tons per year)
Area	0
Energy (electricity+natural gas)	7,098
Waste	236
Water	2,462
Emergency Generators	199
Mobile	61,959
Passenger	59,455
Employee	2,504
Aircraft	105,520
GSE	714
Total	178,189

2024 — **Operational Emissions Inventory**

Emissions Source	CO2e Emissions (metric tons per year)
Area	0
Energy (electricity+natural gas)	6,874
Waste	236
Water	2,391
Emergency Generators	199
Mobile	61,527
Passenger	59,442
Employee	2,085
Aircraft	117,228
GSE	828
Total	189,284

2029 — **Operational Emissions Inventory**

Emissions Source	CO2e Emissions (metric tons per year)
Area	0
Energy (electricity+natural gas)	3,077
Waste	236
Water	1,197
Emergency Generators	199
Mobile	57,752
Passenger	55,948
Employee	1,805
Aircraft	105,421
GSE	884
Total	168,766

Proposed Action Greenhouse Gas Emissions Inventory

CA GHG Emissions 2017
424,100,000

U.S GHG Emissions 2017
6,456,700,000

2024

Emissions Source	Combined Construction and Operational Emissions Inventory — CO2e Emissions (metric tons per year)	Operational Emissions Inventory — CO2e Emissions (metric tons per year)
Area	0	0
Energy (electricity+natural gas)	7,057	7,057
Waste	252	252
Water	2,577	2,577
Emergency Generators	199	199
Mobile	63,205	63,205
Passenger	61,120	61,120
Employee	2,085	2,085
Aircraft	117,228	117,228
GSE	828	828
Subtotal	191,347	191,347
Construction Emissions	841	
No Action Total	189,284	189,284
Proposed Action Net Total GHG Emissions	2,903	2,063
Proportion over No Action	**1.52%**	**1.08%**
Proportion of CA GHGs	**0.000685%**	**0.000486%**
Proportion of U.S GHGs	**0.000045%**	**0.000032%**

Note: Replacement terminal and surrounding facilities are built through mid-2024, so emissions reflect 6 months of existing terminal operation and concurrent construction of new replacement terminal, as well as 6 months of new replacement terminal operation after the new replacement terminal is built.

2029 — **Operational Emissions Inventory**

Emissions Source	CO2e Emissions (metric tons per year)
Area	0
Energy (electricity+natural gas)	3,257
Waste	268
Water	1,377
Emergency Generators	199
Mobile	59,332
Passenger	57,527
Employee	1,805
Aircraft	105,238
GSE	884
Subtotal	170,554
Construction Emissions	
No Action Total	168,766
Proposed Action Net Total GHG Emissions	1,788
Proportion over No Action	**1.05%**
Proportion of CA GHGs	**0.000422%**
Proportion of U.S GHGs	**0.000028%**

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2018, 2023, 2024, 2025, 2026, 2029
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Passenger Emission Factors (lbs/mile)

Year	ROG	NOx	CO	SOx	PM10	PM2_5
2018	0.00041755	0.00091468	0.003845217	8.8759E-06	0.000125	5.78825E-05
2023	0.00029024	0.000492493	0.002640042	7.72866E-06	0.000116	4.93585E-05
2024	0.00027653	0.000475614	0.002508658	7.53416E-06	0.000116	4.92778E-05
2025	0.00026417	0.000458435	0.002389882	7.3078E-06	0.000116	4.91751E-05
2026	0.00025382	0.000444415	0.002294208	7.11118E-06	0.000116	4.90737E-05
2029	0.00022733	0.00041105	0.002084198	6.62185E-06	0.000116	4.86144E-05

Source: EMFAC2017

Passenger Emission Factors (Metric Tons/mile)

Year	CO2	CH4	N2O
2018	0.00041355	2.9808E-08	2.37918E-08
2023	0.00036128	2.1955E-08	1.9499E-08
2024	0.00035241	2.12243E-08	1.90017E-08
2025	0.00034205	2.0537E-08	1.84878E-08
2026	0.00033307	1.99862E-08	1.80847E-08
2029	0.00031064	1.86881E-08	1.70659E-08

Source: EMFAC2017

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2018, 2024, 2025, 2026, 2029
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Employee Emission Factors (lbs/mile)

Year	ROG	NOx	CO	SOx	PM10	PM2_5
2018	0.0003291	0.0002892	0.0033328	0.0000072	0.0001038	0.0000439
2024	0.0002134	0.0001425	0.0021078	0.0000060	0.0001027	0.0000429
2025	0.0002020	0.0001303	0.0019956	0.0000058	0.0001026	0.0000427
2026	0.0001925	0.0001205	0.0019043	0.0000056	0.0001024	0.0000426
2029	0.0001676	0.0000997	0.0017061	0.0000052	0.0001018	0.0000420

Source: EMFAC2017

Employee Emission Factors (Metric Tons/mile)

Year	CO2	CH4	N2O
2018	0.0003294	1.51E-08	1.19E-08
2024	0.0002751	8.66E-09	7.77E-09
2025	0.0002656	7.97E-09	7.36E-09
2026	0.0002575	7.39E-09	7.04E-09
2029	0.0002382	6.05E-09	6.36E-09

Source: EMFAC2017

Average Trip Distance to BUR Airport

Zip Code	County	Respondents	Miles to Bob Hope Airport [a] Route 1	Route 2	Average
92337	SB	1	62.1	62.3	62.2
92706	OC	1	46.6	61.7	54.2
92735	OC	1	51.6	61.1	56.4
92780	OC	1	50.4	65.7	58.1
92606	OC	1	57	61.2	59.1
91361	VEN	11	49.5	43.7	46.6
91360	VEN	3	41.9	37.9	39.9
91362	VEN	6	42.8	35.7	39.3
91320	VEN	3	48	40.7	44.4
93041	VEN	3	55.9	54.5	55.2
93065	VEN	16	30.2		30.2
91307	VEN	2	29	27.1	28.1
93063	VEN	3	25.3		25.3
93021	VEN	2	36.7	46.2	41.5
93015	VEN	2	46		46
93060	VEN	1	60.7	60.8	60.8
93010	VEN	3	56.5	49.2	52.9
93004	VEN	2	53.2	61.8	57.5
93003	VEN	4	57.6	65.4	61.5
93001	VEN	3	69.4	62.1	65.8
93030	VEN	5	62.2	54.9	58.6
93035	VEN	1	68.6	61.3	65
93041	VEN	3	59.9	58.5	59.2
93536	LA	3	64.5	61.7	63.1
93535	LA	1	67.1	71.1	69.1
93534	LA	4	58.3	55.5	56.9
91384	LA	3	36.2		36.2
91390	LA	6	32.4		32.4
93551	LA	5	53.9	51.2	52.6
93550	LA	1	36.9	45.4	41.2
93552	LA	2	52.4	48.6	50.5
93543	LA	1	48	55.6	51.8
91381	LA	3	22.7		22.7
91355	LA	8	24.3		24.3
91354	LA	4	27	31.1	29.1
91350	LA	5	25.9	24	25
91351	LA	6	24.3		24.3
91387	LA	6	25.1	24.2	24.7
91321	LA	2	19.7		19.7
91311	LA	5	19.3		19.3

91326	LA	4	16.7	19.6	18.2
91344	LA	11	12.2		12.2
91340	LA	4	11.3	9.1	10.2
91345	LA	2	9.8	9.5	9.7
91324	LA	4	17.7	17.1	17.4
91325	LA	2	15	12.9	14
91343	LA	4	12.9	10.5	11.7
91402	LA	5	8	8.5	8.3
91331	LA	6	7.8	8	7.9
91040	LA	1	10.7	12.4	11.6
91352	LA	4	4.2	5	4.6
91042	LA	8	14.5	16.2	15.4
91342	LA	8	10.6	12.9	11.8
91214	LA	5	13	15	14
91020	LA	2	12.3	14.3	13.3
91208	LA	3	12.5	14.5	13.5
91207	LA	4	6.8	8.2	7.5
91501	LA	7	5.4	4.8	5.1
91504	LA	16	2.4		2.4
91505	LA	9	3.2		3.2
91506	LA	15	3.3	3.7	3.5
91201	LA	1	6.6	5.6	6.1
91202	LA	4	6.9	8.3	7.6
91206	LA	2	12	11.8	11.9
91205	LA	5	10.5		10.5
91304	LA	3	25.3	20.7	23
91303	LA	8	23.1	19.4	21.3
91306	LA	7	21.2	18.3	19.8
91335	LA	5	18.2	11.6	14.9
91405	LA	1	7		7
91605	LA	2	4		4
91411	LA	3	7.9	7.5	7.7
91401	LA	11	6	6.4	6.2
91606	LA	2	2.9	3.6	3.3
91607	LA	11	5.6	5.2	5.4
91601	LA	11	3.4	3.5	3.5
91403	LA	14	9.8		9.8
91436	LA	1	10.8	12.3	11.6
91316	LA	4	12.1	14	13.1
91356	LA	8	13.4	14.7	14.1
91364	LA	11	17	18	17.5
91367	LA	7	16.9	18	17.5
91302	LA	8	23.1	25.4	24.3
91301	LA	3	29.4	31.7	30.6
90265	LA	1	38.7	41	39.9
90272	LA	1	27.6	29.5	28.6
90049	LA	6	20.8	22.3	21.6
90025	LA	9	18.6	20.1	19.4
90077	LA	7	20.2	21.7	21
90210	LA	2	11.9	12.7	12.3

90069	LA	1	10.6	10	10.3
91423	LA	4	8.2	8.6	8.4
91604	LA	9	7.8	7.7	7.8
90046	LA	1	8.8	8.5	8.7
91602	LA	7	4.5	4.4	4.5
90068	LA	3	7.1	11.3	9.2
90027	LA	7	11.6	12.2	11.9
90039	LA	1	14.5	11.1	12.8
90024	LA	3	15.8	16.8	16.3
90048	LA	1	11.8	13.7	12.8
90036	LA	2	14.5	10.7	12.6
90004	LA	3	13.3	10.7	12
90038	LA	3	12.1	8.7	10.4
90029	LA	3	13.5	12.9	13.2
90028	LA	19	11.2	7.8	9.5
90064	LA	1	20	23	21.5
90066	LA	1	22	24.1	23.1
90291	LA	6	24.3	26.3	25.3
90292	LA	1	26.4	28.4	27.4
90034	LA	3	16.7	24.3	20.5
90035	LA	1	15.9	25.3	20.6
90019	LA	3	13.6	12	12.8
90026	LA	22	13.4	13.1	13.3
90057	LA	2	15.7	15.3	15.5
90008	LA	1	17.7	15.7	16.7
90043	LA	1	19.4	24.1	21.8
90062	LA	1	21.4	19.4	20.4
90037	LA	7	20	18	19
90011	LA	2	20.3	20.9	20.6
90001	LA	3	25.7	22.6	24.2
90021	LA	3	21.4	18.1	19.8
90014	LA	2	20.3	17.6	19
90012	LA	11	14.8	17.7	16.3
90033	LA	2	16	19.1	17.6
90031	LA	2	17	14.7	15.9
90065	LA	6	14	15	14.5
90042	LA	5	15.4	14.5	15
90032	LA	6	18.8	18.6	18.7
90041	LA	8	12.3	15	13.7
91105	LA	2	15.8	20.3	18.1
91030	LA	2	17.9	19.9	18.9
91801	LA	5	20.7	22.3	21.5
91108	LA	2	19.2	22.6	20.9
91106	LA	5	17.1	20.5	18.8
91104	LA	6	18.2	21.6	19.9
91103	LA	4	16.7	17.7	17.2
91001	LA	14	20.6	20	20.3
91107	LA	3	20	23.5	21.8
91024	LA	2	22.9	26.4	24.7
91006	LA	3	25.1	28.6	26.9

91016	LA	2	24.3	27.8	26.1
91010	LA	3	31	34.5	32.8
91702	LA	2	43.9	47.3	45.6
91773	LA	1	36.1	39.5	37.8
91789	LA	1	45.3	48.8	47.1
91790	LA	1	32.7	32	32.4
91780	LA	1	23.7	27.2	25.5
91770	LA	2	25.2	24	24.6
90640	LA	2	25.5	25.7	25.6
91754	LA	1	22	22.7	22.4
91803	LA	2	20.5	20.8	20.7
90022	LA	2	22.2		22.2
90023	LA	1	19	18.9	19
90605	LA	1	44.7	37.3	41
90242	LA	1	30.7	30.5	30.6
90703	LA	1	38.1	34.4	36.3
90713	LA	1	36.7	35.1	35.9
90277	LA	1	37.5	38.3	37.9
90501	LA	1	33.8	31.7	32.8
90506	LA	1	30.2	35.1	32.7
90731	LA	6	42.4	44	43.2
90744	LA	6	36.2	40	38.1
				Weighted Average Distance [b]	20.2

Notes:

a. Distance is estimated based on mapped travel distance from the zip code to BUR Airport using Google Maps. For most zip codes, the average distance is calculated as the average of two potential routes to the Airport.

b. The weighted average distance is based on the number of survey respondents from each zip code.

Source: Unison Consulting, Inc., Bob Hope Airport Ground Access Study, Data Collection and Analysis, Surveys of Airport Passengers and Employees, Figure 2, (2012); ESA, 2020

Parking Trip Distance (On-site parking areas affected by the Project)

Year	Trips/Day [a]	On-Airport Parking Lot	Percent of Total [b]	VMT/Trip
Existing Conditions				
Existing	20,245	No Parking (Dropped Off) [c]	57.0%	0.91
		Lot A	7.7%	0.67
		Lot E	2.6%	0.39
		Short-Term	3.4%	0.52
		Valet	11.6%	0.65
			Weighted Distance	0.67
2024	23,787	No Parking (Dropped Off) [c]	57.0%	0.91
		Lot A	7.7%	0.67
		Lot E	2.6%	0.39
		Short-Term	3.4%	0.52
		Valet	11.6%	0.65
			Weighted Distance	0.67
2029	25,355	No Parking (Dropped Off) [c]	57.0%	0.91
		Lot A	7.7%	0.67
		Lot E	2.6%	0.39
		Short-Term	3.4%	0.52
		Valet	11.6%	0.65
			Weighted Distance	0.67
Proposed Project				
2024	23,787	No Parking (Dropped Off) [d]	57.0%	1.27
		Parking (includes Valet) [e]	28.8%	1.87
			Weighted Distance	1.26
2029	25,355	No Parking (Dropped Off) [d]	57.0%	1.27
		Parking (includes Valet) [e]	28.8%	1.87
			Weighted Distance	1.26

Notes:

a. Gibson Transportation Consulting, Inc., 2019. Daily trips provided by consultant. Trip length divided by 2 to account for one-way trips

b. Unison Consulting, Inc., Bob Hope Airport Ground Access Study, Data Collection and Analysis, Surveys of Airport Passengers and Employees, Figure 4, (2012).

c. Assumes all vehicles enter and exit at Hollywood Way/Thornton Avenue and that all vehicles make one return loop around Airport Way.

d. Assumes all vehicles make one return loop around the drop off/pickup area.

e. Assumes all vehicles make four loops inside the parking structure.

Source: ESA, 2020

2018					
	CO (ST)	HC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)
2018 Aircraft Criteria Pollutant	1193.194742	99.24943518	111.6418375	108.5927818	109.7502197
2018 GSE Criteria Pollutants	CO	HC	NOx	SOx	PM-10
	161.879	7.541	27.085	1.217	1.517

2024					
	CO (ST)	HC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)
2024 Aircraft Criteria Pollutant	1490.263396	75.22625571	83.62390609	80.53166901	81.58398009
2024 GSE Criteria Pollutants	CO	HC	NOx	SOx	PM-10
	192.636	8.974	32.231	1.449	1.805

2029					
	CO (ST)	HC (ST)	TOG (ST)	VOC (ST)	NMHC (ST)
2029 Aircraft Criteria Pollutant	1415.688294	56.44724065	62.24816973	59.53443364	60.41189076
2029 GSE Criteria Pollutants	CO	HC	NOx	SOx	PM-10
	205.74	9.58	34.42	1.55	1.93

2018					
	NOx (ST)	**nvPM Mass (ST)**	**PMSO (ST)**	**PMFO (ST)**	**CO2 (ST)**
2018 Aircraft Criteria Pollutant	174.9560887	0.198737941	1.433250142	0.648320204	105084.0178
2018 GSE Criteria Pollutants	**PM 2.5**				
	1.517				

2024					
	NOx (ST)	**nvPM Mass (ST)**	**PMSO (ST)**	**PMFO (ST)**	**CO2 (ST)**
2024 Aircraft Criteria Pollutant	424.8188123	0.986111066	1.574537227	0.735937852	116708.8959
2024 GSE Criteria Pollutants	**PM 2.5**				
	1.805				

2029					
	NOx (ST)	**nvPM Mass (ST)**	**PMSO (ST)**	**PMFO (ST)**	**CO2 (ST)**
2029 Aircraft Criteria Pollutant	455.0166053	1.137162134	1.407683061	0.6752961	104887.8688
2029 GSE Criteria Pollutants	**PM 2.5**				
	1.93				

2018				
	H2O (ST)	**SOx (ST)**	**PM 2.5 (ST)**	**PM 10 (ST)**
2018 Aircraft Criteria Pollutant	41200.92868	39.00902063	2.280308287	2.280308287
2018 GSE Criteria Pollutants				

2024				
	H2O (ST)	**SOx (ST)**	**PM 2.5 (ST)**	**PM 10 (ST)**
2024 Aircraft Criteria Pollutant	45758.76749	43.32430637	3.295370695	3.295370695
2024 GSE Criteria Pollutants				

2029				
	H2O (ST)	**SOx (ST)**	**PM 2.5 (ST)**	**PM 10 (ST)**
2029 Aircraft Criteria Pollutant	41124.02482	38.93475915	3.220141295	3.220141295
2029 GSE Criteria Pollutants				

Aircraft Taxi in and out

	CO (ST)	HC (ST)	TOG (ST)
2018			
No Action	4.595	0.441	0.497
2024			
No Action	5.468	0.525	0.591
2029			
Action	3.688	0.354	0.399
No Action	5.613	0.539	0.607

Aircraft Taxi in and out

	VOC (ST)	NMHC (ST)	NOx (ST)	nvPM Mass (ST)
2018				
No Action	0.484	0.489	0.569	0
2024				
No Action	0.576	0.582	0.677	0
2029				
Action	0.389	0.393	0.457	0
No Action	0.592	0.598	0.695	0

Aircraft Taxi in and out

	PMSO (ST)	PMFO (ST)	CO2 (ST)
2018			
No Action	0.006	0.003	436.468
2024			
No Action	0.007	0.003	519.397
2029			
Action	0.005	0.002	350.351
No Action	0.007	0.003	533.235

Aircraft Taxi in and out

	H2O (ST)	SOx (ST)	PM 2.5 (ST)	PM 10 (ST)
2018				
No Action	171.129	0.162	0.009	0.009
2024				
No Action	203.643	0.193	0.01	0.01
2029				
Action	137.364	0.13	0.007	0.007
No Action	209.069	0.198	0.011	0.011

Burbank Airport - Existing

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2018
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1479.93	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for existing Burbank Airport. CO2 intensity factor adjusted for year 2018. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2017	1/2/2017
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1479.93
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2017	2.1000e-003	0.0214	0.0119	2.0000e-005	8.0000e-005	1.1000e-003	1.1800e-003	2.0000e-005	1.0200e-003	1.0400e-003	0.0000	1.8613	1.8613	4.9000e-004	0.0000	1.8736
Maximum	**2.1000e-003**	**0.0214**	**0.0119**	**2.0000e-005**	**8.0000e-005**	**1.1000e-003**	**1.1800e-003**	**2.0000e-005**	**1.0200e-003**	**1.0400e-003**	**0.0000**	**1.8613**	**1.8613**	**4.9000e-004**	**0.0000**	**1.8736**

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					
2017	2.1000e-003	0.0214	0.0119	2.0000e-005	8.0000e-005	1.1000e-003	1.1800e-003	2.0000e-005	1.0200e-003	1.0400e-003	0.0000	1.8613	1.8613	4.9000e-004	0.0000	1.8736
Maximum	**2.1000e-003**	**0.0214**	**0.0119**	**2.0000e-005**	**8.0000e-005**	**1.1000e-003**	**1.1800e-003**	**2.0000e-005**	**1.0200e-003**	**1.0400e-003**	**0.0000**	**1.8613**	**1.8613**	**4.9000e-004**	**0.0000**	**1.8736**

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

Quarter				
1	1-1-2017	3-31-2017	0.0336	0.0336
		Highest	0.0336	0.0336

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	4.2955	1.0100e-003	0.1074	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.2060	0.2060	5.7000e-004	0.0000	0.2201
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	7,084.8927	7,084.8927	0.1387	0.0320	7,097.9096
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	190.7120	0.0000	190.7120	11.2708	0.0000	472.4810
Water						0.0000	0.0000		0.0000	0.0000	70.5833	2,155.3441	2,225.9274	7.2918	0.1799	2,461.8378
Total	**4.3189**	**0.2145**	**0.2867**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**261.2953**	**9,240.4428**	**9,501.7381**	**18.7019**	**0.2120**	**10,032.4485**

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	4.2955	1.0100e-003	0.1074	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.2060	0.2060	5.7000e-004	0.0000	0.2201
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	7,084.8927	7,084.8927	0.1387	0.0320	7,097.9096
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	95.3560	0.0000	95.3560	5.6354	0.0000	236.2405
Water						0.0000	0.0000		0.0000	0.0000	70.5833	2,155.3441	2,225.9274	7.2918	0.1799	2,461.8378
Total	**4.3189**	**0.2145**	**0.2867**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**165.9393**	**9,240.4428**	**9,406.3821**	**13.0665**	**0.2120**	**9,796.2080**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.49**	**0.00**	**1.00**	**30.13**	**0.00**	**2.35**

3.0 Construction Detail

Construction Phase

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

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0500e-003	0.0214	0.0115	2.0000e-005		1.1000e-003	1.1000e-003		1.0200e-003	1.0200e-003	0.0000	1.7800	1.7800	4.9000e-004	0.0000	1.7922
Total	**2.0500e-003**	**0.0214**	**0.0115**	**2.0000e-005**		**1.1000e-003**	**1.1000e-003**		**1.0200e-003**	**1.0200e-003**	**0.0000**	**1.7800**	**1.7800**	**4.9000e-004**	**0.0000**	**1.7922**

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	4.0000e-005	4.0000e-005	4.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0813	0.0813	0.0000	0.0000	0.0814
Total	**4.0000e-005**	**4.0000e-005**	**4.0000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0813**	**0.0813**	**0.0000**	**0.0000**	**0.0814**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0500e-003	0.0214	0.0115	2.0000e-005		1.1000e-003	1.1000e-003		1.0200e-003	1.0200e-003	0.0000	1.7800	1.7800	4.9000e-004	0.0000	1.7922
Total	**2.0500e-003**	**0.0214**	**0.0115**	**2.0000e-005**		**1.1000e-003**	**1.1000e-003**		**1.0200e-003**	**1.0200e-003**	**0.0000**	**1.7800**	**1.7800**	**4.9000e-004**	**0.0000**	**1.7922**

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	4.0000e-005	4.0000e-005	4.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0813	0.0813	0.0000	0.0000	0.0814
Total	**4.0000e-005**	**4.0000e-005**	**4.0000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0813**	**0.0813**	**0.0000**	**0.0000**	**0.0814**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Government Office Building	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Parking Lot	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Unenclosed Parking with Elevator	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Unrefrigerated Warehouse-No Rail	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Burbank Airport - Existing - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	6,852.5079	6,852.5079	0.1343	0.0278	6,864.1439
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6,852.5079	6,852.5079	0.1343	0.0278	6,864.1439
NaturalGas Mitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658
NaturalGas Unmitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658

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					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	303.0449	5.9400e-003	1.2300e-003	303.5595
Government Office Building	3.53568e+006	2,373.4488	0.0465	9.6200e-003	2,377.4790
Parking Lot	2.40585e+006	1,615.0085	0.0317	6.5500e-003	1,617.7509
Unenclosed Parking with Elevator	493714	331.4225	6.4900e-003	1.3400e-003	331.9853
Unrefrigerated Warehouse-No Rail	3.32137e+006	2,229.5832	0.0437	9.0400e-003	2,233.3692
Total		**6,852.5079**	**0.1343**	**0.0278**	**6,864.1439**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	303.0449	5.9400e-003	1.2300e-003	303.5595
Government Office Building	3.53568e+006	2,373.4488	0.0465	9.6200e-003	2,377.4790
Parking Lot	2.40585e+006	1,615.0085	0.0317	6.5500e-003	1,617.7509
Unenclosed Parking with Elevator	493714	331.4225	6.4900e-003	1.3400e-003	331.9853
Unrefrigerated Warehouse-No Rail	3.32137e+006	2,229.5832	0.0437	9.0400e-003	2,233.3692
Total		**6,852.5079**	**0.1343**	**0.0278**	**6,864.1439**

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	4.2955	1.0100e-003	0.1074	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.2060	0.2060	5.7000e-004	0.0000	0.2201
Unmitigated	4.2955	1.0100e-003	0.1074	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.2060	0.2060	5.7000e-004	0.0000	0.2201

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0103	1.0100e-003	0.1074	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.2060	0.2060	5.7000e-004	0.0000	0.2201
Total	**4.2954**	**1.0100e-003**	**0.1074**	**1.0000e-005**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.7000e-004**	**0.0000**	**0.2201**

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0103	1.0100e-003	0.1074	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.2060	0.2060	5.7000e-004	0.0000	0.2201
Total	**4.2954**	**1.0100e-003**	**0.1074**	**1.0000e-005**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.7000e-004**	**0.0000**	**0.2201**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,225.9274	7.2918	0.1799	2,461.8378
Unmitigated	2,225.9274	7.2918	0.1799	2,461.8378

7.2 Water by Land Use

Unmitigated

General Light Industry	8.325 / 0	75.4083	0.2727	6.7000e-003	84.2224
Government Office Building	46.089 / 28.2481	628.1510	1.5138	0.0380	677.3055
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,522.3681	5.5053	0.1353	1,700.3099
Total		**2,225.9274**	**7.2918**	**0.1799**	**2,461.8378**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	75.4083	0.2727	6.7000e-003	84.2224
Government Office Building	46.089 / 28.2481	628.1510	1.5138	0.0380	677.3055
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,522.3681	5.5053	0.1353	1,700.3099
Total		**2,225.9274**	**7.2918**	**0.1799**	**2,461.8378**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	95.3560	5.6354	0.0000	236.2405
Unmitigated	190.7120	11.2708	0.0000	472.4810

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Government Office Building	211.7	42.9732	2.5396	0.0000	106.4643
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**190.7121**	**11.2708**	**0.0000**	**472.4810**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	22.32	4.5308	0.2678	0.0000	11.2248
Government Office Building	105.85	21.4866	1.2698	0.0000	53.2321
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**95.3560**	**5.6354**	**0.0000**	**236.2405**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Existing

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2018
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1479.93	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for existing Burbank Airport. CO2 intensity factor adjusted for year 2018. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2017	1/2/2017
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1479.93
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.1932	42.8138	23.8646	0.0407	0.1677	2.1949	2.3625	0.0445	2.0438	2.0883	0.0000	4,112.3352	4,112.3352	1.0801	0.0000	4,139.3363
Maximum	**4.1932**	**42.8138**	**23.8646**	**0.0407**	**0.1677**	**2.1949**	**2.3625**	**0.0445**	**2.0438**	**2.0883**	**0.0000**	**4,112.3352**	**4,112.3352**	**1.0801**	**0.0000**	**4,139.3363**

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					
2017	4.1932	42.8138	23.8646	0.0407	0.1677	2.1949	2.3625	0.0445	2.0438	2.0883	0.0000	4,112.3352	4,112.3352	1.0801	0.0000	4,139.3363
Maximum	**4.1932**	**42.8138**	**23.8646**	**0.0407**	**0.1677**	**2.1949**	**2.3625**	**0.0445**	**2.0438**	**2.0883**	**0.0000**	**4,112.3352**	**4,112.3352**	**1.0801**	**0.0000**	**4,139.3363**

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

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	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6912**	**1.1777**	**1.8415**	**7.0800e-003**	**0.0000**	**0.0920**	**0.0920**	**0.0000**	**0.0920**	**0.0920**		**1,405.4349**	**1,405.4349**	**0.0319**	**0.0257**	**1,413.9005**

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	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6912**	**1.1777**	**1.8415**	**7.0800e-003**	**0.0000**	**0.0920**	**0.0920**	**0.0000**	**0.0920**	**0.0920**		**1,405.4349**	**1,405.4349**	**0.0319**	**0.0257**	**1,413.9005**

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

3.0 Construction Detail

Construction Phase

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

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

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	0.0901	0.0663	0.8524	1.8900e-003	0.1677	1.3900e-003	0.1691	0.0445	1.2800e-003	0.0458		188.0518	188.0518	7.1000e-003		188.2294
Total	**0.0901**	**0.0663**	**0.8524**	**1.8900e-003**	**0.1677**	**1.3900e-003**	**0.1691**	**0.0445**	**1.2800e-003**	**0.0458**		**188.0518**	**188.0518**	**7.1000e-003**		**188.2294**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

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	0.0901	0.0663	0.8524	1.8900e-003	0.1677	1.3900e-003	0.1691	0.0445	1.2800e-003	0.0458		188.0518	188.0518	7.1000e-003		188.2294
Total	**0.0901**	**0.0663**	**0.8524**	**1.8900e-003**	**0.1677**	**1.3900e-003**	**0.1691**	**0.0445**	**1.2800e-003**	**0.0458**		**188.0518**	**188.0518**	**7.1000e-003**		**188.2294**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Government Office Building	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Parking Lot	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Unenclosed Parking with Elevator	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Unrefrigerated Warehouse-No Rail	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Unmitigated	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0821	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Total	**23.5626**	**8.0400e-003**	**0.8590**	**6.0000e-005**		**3.0900e-003**	**3.0900e-003**		**3.0900e-003**	**3.0900e-003**		**1.8162**	**1.8162**	**4.9800e-003**		**1.9408**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0821	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Total	**23.5626**	**8.0400e-003**	**0.8590**	**6.0000e-005**		**3.0900e-003**	**3.0900e-003**		**3.0900e-003**	**3.0900e-003**		**1.8162**	**1.8162**	**4.9800e-003**		**1.9408**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Existing

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2018
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1479.93	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for existing Burbank Airport. CO2 intensity factor adjusted for year 2018. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2017	1/2/2017
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1479.93
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.2018	42.8204	23.7927	0.0406	0.1677	2.1949	2.3625	0.0445	2.0438	2.0883	0.0000	4,100.7192	4,100.7192	1.0797	0.0000	4,127.7103
Maximum	**4.2018**	**42.8204**	**23.7927**	**0.0406**	**0.1677**	**2.1949**	**2.3625**	**0.0445**	**2.0438**	**2.0883**	**0.0000**	**4,100.7192**	**4,100.7192**	**1.0797**	**0.0000**	**4,127.7103**

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					
2017	4.2018	42.8204	23.7927	0.0406	0.1677	2.1949	2.3625	0.0445	2.0438	2.0883	0.0000	4,100.7192	4,100.7192	1.0797	0.0000	4,127.7103
Maximum	**4.2018**	**42.8204**	**23.7927**	**0.0406**	**0.1677**	**2.1949**	**2.3625**	**0.0445**	**2.0438**	**2.0883**	**0.0000**	**4,100.7192**	**4,100.7192**	**1.0797**	**0.0000**	**4,127.7103**

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

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	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6912**	**1.1777**	**1.8415**	**7.0800e-003**	**0.0000**	**0.0920**	**0.0920**	**0.0000**	**0.0920**	**0.0920**		**1,405.4349**	**1,405.4349**	**0.0319**	**0.0257**	**1,413.9005**

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	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6912**	**1.1777**	**1.8415**	**7.0800e-003**	**0.0000**	**0.0920**	**0.0920**	**0.0000**	**0.0920**	**0.0920**		**1,405.4349**	**1,405.4349**	**0.0319**	**0.0257**	**1,413.9005**

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

3.0 Construction Detail

Construction Phase

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

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

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	0.0987	0.0729	0.7805	1.7700e-003	0.1677	1.3900e-003	0.1691	0.0445	1.2800e-003	0.0458		176.4359	176.4359	6.7000e-003		176.6033
Total	**0.0987**	**0.0729**	**0.7805**	**1.7700e-003**	**0.1677**	**1.3900e-003**	**0.1691**	**0.0445**	**1.2800e-003**	**0.0458**		**176.4359**	**176.4359**	**6.7000e-003**		**176.6033**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

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	0.0987	0.0729	0.7805	1.7700e-003	0.1677	1.3900e-003	0.1691	0.0445	1.2800e-003	0.0458		176.4359	176.4359	6.7000e-003		176.6033
Total	**0.0987**	**0.0729**	**0.7805**	**1.7700e-003**	**0.1677**	**1.3900e-003**	**0.1691**	**0.0445**	**1.2800e-003**	**0.0458**		**176.4359**	**176.4359**	**6.7000e-003**		**176.6033**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Government Office Building	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Parking Lot	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Unenclosed Parking with Elevator	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026
Unrefrigerated Warehouse-No Rail	0.546979	0.044837	0.199064	0.126777	0.018273	0.005878	0.019668	0.028140	0.001951	0.002100	0.004606	0.000701	0.001026

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Unmitigated	23.5626	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0821	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Total	**23.5626**	**8.0400e-003**	**0.8590**	**6.0000e-005**		**3.0900e-003**	**3.0900e-003**		**3.0900e-003**	**3.0900e-003**		**1.8162**	**1.8162**	**4.9800e-003**		**1.9408**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0821	8.0400e-003	0.8590	6.0000e-005		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003		1.8162	1.8162	4.9800e-003		1.9408
Total	**23.5626**	**8.0400e-003**	**0.8590**	**6.0000e-005**		**3.0900e-003**	**3.0900e-003**		**3.0900e-003**	**3.0900e-003**		**1.8162**	**1.8162**	**4.9800e-003**		**1.9408**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future No Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1431.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2024. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2023	1/2/2023
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1431.55
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2023	1.1600e-003	0.0108	0.0100	2.0000e-005	8.0000e-005	5.0000e-004	5.8000e-004	2.0000e-005	4.6000e-004	4.9000e-004	0.0000	1.7662	1.7662	4.8000e-004	0.0000	1.7781
Maximum	**1.1600e-003**	**0.0108**	**0.0100**	**2.0000e-005**	**8.0000e-005**	**5.0000e-004**	**5.8000e-004**	**2.0000e-005**	**4.6000e-004**	**4.9000e-004**	**0.0000**	**1.7662**	**1.7662**	**4.8000e-004**	**0.0000**	**1.7781**

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					
2023	1.1600e-003	0.0108	0.0100	2.0000e-005	8.0000e-005	5.0000e-004	5.8000e-004	2.0000e-005	4.6000e-004	4.9000e-004	0.0000	1.7662	1.7662	4.8000e-004	0.0000	1.7781
Maximum	**1.1600e-003**	**0.0108**	**0.0100**	**2.0000e-005**	**8.0000e-005**	**5.0000e-004**	**5.8000e-004**	**2.0000e-005**	**4.6000e-004**	**4.9000e-004**	**0.0000**	**1.7662**	**1.7662**	**4.8000e-004**	**0.0000**	**1.7781**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.0170	0.0170
		Highest	0.0170	0.0170

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	4.2950	9.6000e-004	0.1057	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	6,860.8792	6,860.8792	0.1387	0.0320	6,873.8961
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	190.7120	0.0000	190.7120	11.2708	0.0000	472.4810
Water						0.0000	0.0000		0.0000	0.0000	70.5833	2,084.8844	2,155.4676	7.2918	0.1799	2,391.3780
Total	**4.3184**	**0.2144**	**0.2851**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**261.2953**	**8,945.9695**	**9,207.2648**	**18.7018**	**0.2120**	**9,737.9745**

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	4.2950	9.6000e-004	0.1057	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	6,860.8792	6,860.8792	0.1387	0.0320	6,873.8961
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	95.3560	0.0000	95.3560	5.6354	0.0000	236.2405
Water						0.0000	0.0000		0.0000	0.0000	70.5833	2,084.8844	2,155.4676	7.2918	0.1799	2,391.3780
Total	**4.3184**	**0.2144**	**0.2851**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**165.9393**	**8,945.9695**	**9,111.9088**	**13.0665**	**0.2120**	**9,501.7340**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.49**	**0.00**	**1.04**	**30.13**	**0.00**	**2.43**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

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	1.1300e-003	0.0107	9.8200e-003	2.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	1.6996	1.6996	4.8000e-004	0.0000	1.7115
Total	**1.1300e-003**	**0.0107**	**9.8200e-003**	**2.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**1.6996**	**1.6996**	**4.8000e-004**	**0.0000**	**1.7115**

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	3.0000e-005	2.0000e-005	2.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0666	0.0666	0.0000	0.0000	0.0666
Total	**3.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0666**	**0.0666**	**0.0000**	**0.0000**	**0.0666**

3.2 Demolition - 2023

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	1.1300e-003	0.0107	9.8200e-003	2.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	1.6996	1.6996	4.8000e-004	0.0000	1.7115
Total	**1.1300e-003**	**0.0107**	**9.8200e-003**	**2.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**1.6996**	**1.6996**	**4.8000e-004**	**0.0000**	**1.7115**

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	3.0000e-005	2.0000e-005	2.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0666	0.0666	0.0000	0.0000	0.0666
Total	**3.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0666**	**0.0666**	**0.0000**	**0.0000**	**0.0666**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unrefrigerated Warehouse-No Rail	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Burbank Airport - Future No Project - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	6,628.4944	6,628.4944	0.1343	0.0278	6,640.1303
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6,628.4944	6,628.4944	0.1343	0.0278	6,640.1303
NaturalGas Mitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658
NaturalGas Unmitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658

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					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	293.1381	5.9400e-003	1.2300e-003	293.6527
Government Office Building	3.53568e+006	2,295.8590	0.0465	9.6200e-003	2,299.8893
Parking Lot	2.40585e+006	1,562.2127	0.0317	6.5500e-003	1,564.9551
Unenclosed Parking with Elevator	493714	320.5881	6.4900e-003	1.3400e-003	321.1508
Unrefrigerated Warehouse-No Rail	3.32137e+006	2,156.6965	0.0437	9.0400e-003	2,160.4825
Total		**6,628.4944**	**0.1343**	**0.0278**	**6,640.1303**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	293.1381	5.9400e-003	1.2300e-003	293.6527
Government Office Building	3.53568e+006	2,295.8590	0.0465	9.6200e-003	2,299.8893
Parking Lot	2.40585e+006	1,562.2127	0.0317	6.5500e-003	1,564.9551
Unenclosed Parking with Elevator	493714	320.5881	6.4900e-003	1.3400e-003	321.1508
Unrefrigerated Warehouse-No Rail	3.32137e+006	2,156.6965	0.0437	9.0400e-003	2,160.4825
Total		**6,628.4944**	**0.1343**	**0.0278**	**6,640.1303**

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	4.2950	9.6000e-004	0.1057	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Unmitigated	4.2950	9.6000e-004	0.1057	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7600e-003	9.6000e-004	0.1057	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Total	**4.2949**	**9.6000e-004**	**0.1057**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.4000e-004**	**0.0000**	**0.2194**

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7600e-003	9.6000e-004	0.1057	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Total	**4.2949**	**9.6000e-004**	**0.1057**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.4000e-004**	**0.0000**	**0.2194**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,155.4676	7.2918	0.1799	2,391.3780
Unmitigated	2,155.4676	7.2918	0.1799	2,391.3780

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	73.0295	0.2727	6.7000e-003	81.8436
Government Office Building	46.089 / 28.2481	608.0943	1.5138	0.0380	657.2488
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,474.3439	5.5053	0.1353	1,652.2857
Total		**2,155.4676**	**7.2918**	**0.1799**	**2,391.3780**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	73.0295	0.2727	6.7000e-003	81.8436
Government Office Building	46.089 / 28.2481	608.0943	1.5138	0.0380	657.2488
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,474.3439	5.5053	0.1353	1,652.2857
Total		**2,155.4676**	**7.2918**	**0.1799**	**2,391.3780**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	95.3560	5.6354	0.0000	236.2405
Unmitigated	190.7120	11.2708	0.0000	472.4810

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Government Office Building	211.7	42.9732	2.5396	0.0000	106.4643
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**190.7121**	**11.2708**	**0.0000**	**472.4810**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	22.32	4.5308	0.2678	0.0000	11.2248
Government Office Building	105.85	21.4866	1.2698	0.0000	53.2321
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**95.3560**	**5.6354**	**0.0000**	**236.2405**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future No Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1431.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2024. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2023	1/2/2023
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1431.55
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.3245	21.5179	20.1243	0.0404	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,901.1105	3,901.1105	1.0530	0.0000	3,927.4360
Maximum	**2.3245**	**21.5179**	**20.1243**	**0.0404**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,901.1105**	**3,901.1105**	**1.0530**	**0.0000**	**3,927.4360**

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					
2023	2.3245	21.5179	20.1243	0.0404	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,901.1105	3,901.1105	1.0530	0.0000	3,927.4360
Maximum	**2.3245**	**21.5179**	**20.1243**	**0.0404**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,901.1105**	**3,901.1105**	**1.0530**	**0.0000**	**3,927.4360**

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

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	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6872**	**1.1774**	**1.8285**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8945**

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	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6872**	**1.1774**	**1.8285**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8945**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		154.1265	154.1265	3.6500e-003		154.2177
Total	**0.0554**	**0.0335**	**0.4810**	**1.5500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**154.1265**	**154.1265**	**3.6500e-003**		**154.2177**

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		154.1265	154.1265	3.6500e-003		154.2177
Total	**0.0554**	**0.0335**	**0.4810**	**1.5500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**154.1265**	**154.1265**	**3.6500e-003**		**154.2177**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unrefrigerated Warehouse-No Rail	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Unmitigated	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0781	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Total	**23.5586**	**7.6800e-003**	**0.8460**	**6.0000e-005**		**3.0100e-003**	**3.0100e-003**		**3.0100e-003**	**3.0100e-003**		**1.8162**	**1.8162**	**4.7400e-003**		**1.9348**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0781	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Total	**23.5586**	**7.6800e-003**	**0.8460**	**6.0000e-005**		**3.0100e-003**	**3.0100e-003**		**3.0100e-003**	**3.0100e-003**		**1.8162**	**1.8162**	**4.7400e-003**		**1.9348**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future No Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1431.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Burbank Airport - Future No Project - South Coast Air Basin, Winter

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2024. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2023	1/2/2023
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1431.55
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.3304	21.5212	20.0771	0.0403	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,891.5379	3,891.5379	1.0528	0.0000	3,917.8574
Maximum	**2.3304**	**21.5212**	**20.0771**	**0.0403**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,891.5379**	**3,891.5379**	**1.0528**	**0.0000**	**3,917.8574**

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					
2023	2.3304	21.5212	20.0771	0.0403	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,891.5379	3,891.5379	1.0528	0.0000	3,917.8574
Maximum	**2.3304**	**21.5212**	**20.0771**	**0.0403**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,891.5379**	**3,891.5379**	**1.0528**	**0.0000**	**3,917.8574**

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

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	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6872**	**1.1774**	**1.8285**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8945**

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	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6872**	**1.1774**	**1.8285**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8945**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		144.5539	144.5539	3.4100e-003		144.6391
Total	**0.0614**	**0.0367**	**0.4338**	**1.4500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**144.5539**	**144.5539**	**3.4100e-003**		**144.6391**

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		144.5539	144.5539	3.4100e-003		144.6391
Total	**0.0614**	**0.0367**	**0.4338**	**1.4500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**144.5539**	**144.5539**	**3.4100e-003**		**144.6391**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unrefrigerated Warehouse-No Rail	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Unmitigated	23.5586	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0781	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Total	**23.5586**	**7.6800e-003**	**0.8460**	**6.0000e-005**		**3.0100e-003**	**3.0100e-003**		**3.0100e-003**	**3.0100e-003**		**1.8162**	**1.8162**	**4.7400e-003**		**1.9348**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0781	7.6800e-003	0.8460	6.0000e-005		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003		1.8162	1.8162	4.7400e-003		1.9348
Total	**23.5586**	**7.6800e-003**	**0.8460**	**6.0000e-005**		**3.0100e-003**	**3.0100e-003**		**3.0100e-003**	**3.0100e-003**		**1.8162**	**1.8162**	**4.7400e-003**		**1.9348**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbunk Airport - Future No Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2025
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1002.78	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2025. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	2.00
tblConstructionPhase	PhaseEndDate	5/17/2024	1/2/2024
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1002.78
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2024	2.3000e-003	0.0209	0.0201	4.0000e-005	1.6000e-004	9.6000e-004	1.1300e-003	4.0000e-005	8.9000e-004	9.4000e-004	0.0000	3.5284	3.5284	9.5000e-004	0.0000	3.5523
Maximum	**2.3000e-003**	**0.0209**	**0.0201**	**4.0000e-005**	**1.6000e-004**	**9.6000e-004**	**1.1300e-003**	**4.0000e-005**	**8.9000e-004**	**9.4000e-004**	**0.0000**	**3.5284**	**3.5284**	**9.5000e-004**	**0.0000**	**3.5523**

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					
2024	2.3000e-003	0.0209	0.0201	4.0000e-005	1.6000e-004	9.6000e-004	1.1300e-003	4.0000e-005	8.9000e-004	9.4000e-004	0.0000	3.5284	3.5284	9.5000e-004	0.0000	3.5523
Maximum	**2.3000e-003**	**0.0209**	**0.0201**	**4.0000e-005**	**1.6000e-004**	**9.6000e-004**	**1.1300e-003**	**4.0000e-005**	**8.9000e-004**	**9.4000e-004**	**0.0000**	**3.5284**	**3.5284**	**9.5000e-004**	**0.0000**	**3.5523**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0166	0.0166
		Highest	0.0166	0.0166

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	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	4,875.5490	4,875.5490	0.1387	0.0320	4,888.5658
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	190.7120	0.0000	190.7120	11.2708	0.0000	472.4810
Water						0.0000	0.0000		0.0000	0.0000	70.5833	1,460.4312	1,531.0145	7.2918	0.1799	1,766.9249
Total	**4.3184**	**0.2144**	**0.2850**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**261.2953**	**6,336.1861**	**6,597.4814**	**18.7018**	**0.2120**	**7,128.1911**

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	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	4,875.5490	4,875.5490	0.1387	0.0320	4,888.5658
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	95.3560	0.0000	95.3560	5.6354	0.0000	236.2405
Water						0.0000	0.0000		0.0000	0.0000	70.5833	1,460.4312	1,531.0145	7.2918	0.1799	1,766.9249
Total	**4.3184**	**0.2144**	**0.2850**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**165.9393**	**6,336.1861**	**6,502.1254**	**13.0665**	**0.2120**	**6,891.9506**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.49**	**0.00**	**1.45**	**30.13**	**0.00**	**3.31**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/2/2024	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

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	2.2400e-003	0.0209	0.0197	4.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.3996	3.3996	9.5000e-004	0.0000	3.4234
Total	**2.2400e-003**	**0.0209**	**0.0197**	**4.0000e-005**		**9.6000e-004**	**9.6000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**3.3996**	**3.3996**	**9.5000e-004**	**0.0000**	**3.4234**

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	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1288	0.1288	0.0000	0.0000	0.1289
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1288**	**0.1288**	**0.0000**	**0.0000**	**0.1289**

3.2 Demolition - 2024

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	2.2400e-003	0.0209	0.0197	4.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.3996	3.3996	9.5000e-004	0.0000	3.4234
Total	**2.2400e-003**	**0.0209**	**0.0197**	**4.0000e-005**		**9.6000e-004**	**9.6000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**3.3996**	**3.3996**	**9.5000e-004**	**0.0000**	**3.4234**

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	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1288	0.1288	0.0000	0.0000	0.1289
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1288**	**0.1288**	**0.0000**	**0.0000**	**0.1289**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Government Office Building	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Parking Lot	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unenclosed Parking with Elevator	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unrefrigerated Warehouse-No Rail	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Burbunk Airport - Future No Project - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	4,643.1641	4,643.1641	0.1343	0.0278	4,654.8001
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,643.1641	4,643.1641	0.1343	0.0278	4,654.8001
NaturalGas Mitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658
NaturalGas Unmitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658

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					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	205.3390	5.9400e-003	1.2300e-003	205.8536
Government Office Building	3.53568e+006	1,608.2159	0.0465	9.6200e-003	1,612.2462
Parking Lot	2.40585e+006	1,094.3073	0.0317	6.5500e-003	1,097.0497
Unenclosed Parking with Elevator	493714	224.5673	6.4900e-003	1.3400e-003	225.1301
Unrefrigerated Warehouse-No Rail	3.32137e+006	1,510.7346	0.0437	9.0400e-003	1,514.5206
Total		**4,643.1641**	**0.1343**	**0.0278**	**4,654.8001**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	205.3390	5.9400e-003	1.2300e-003	205.8536
Government Office Building	3.53568e+006	1,608.2159	0.0465	9.6200e-003	1,612.2462
Parking Lot	2.40585e+006	1,094.3073	0.0317	6.5500e-003	1,097.0497
Unenclosed Parking with Elevator	493714	224.5673	6.4900e-003	1.3400e-003	225.1301
Unrefrigerated Warehouse-No Rail	3.32137e+006	1,510.7346	0.0437	9.0400e-003	1,514.5206
Total		**4,643.1641**	**0.1343**	**0.0278**	**4,654.8001**

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	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Unmitigated	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7300e-003	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Total	**4.2949**	**9.6000e-004**	**0.1056**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.4000e-004**	**0.0000**	**0.2194**

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7300e-003	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Total	**4.2949**	**9.6000e-004**	**0.1056**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.4000e-004**	**0.0000**	**0.2194**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,531.0145	7.2918	0.1799	1,766.9249
Unmitigated	1,531.0145	7.2918	0.1799	1,766.9249

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	51.9472	0.2727	6.7000e-003	60.7613
Government Office Building	46.089 / 28.2481	430.3407	1.5138	0.0380	479.4952
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,048.7266	5.5053	0.1353	1,226.6685
Total		**1,531.0145**	**7.2918**	**0.1799**	**1,766.9249**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	51.9472	0.2727	6.7000e-003	60.7613
Government Office Building	46.089 / 28.2481	430.3407	1.5138	0.0380	479.4952
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,048.7266	5.5053	0.1353	1,226.6685
Total		**1,531.0145**	**7.2918**	**0.1799**	**1,766.9249**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	95.3560	5.6354	0.0000	236.2405
Unmitigated	190.7120	11.2708	0.0000	472.4810

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Government Office Building	211.7	42.9732	2.5396	0.0000	106.4643
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**190.7121**	**11.2708**	**0.0000**	**472.4810**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	22.32	4.5308	0.2678	0.0000	11.2248
Government Office Building	105.85	21.4866	1.2698	0.0000	53.2321
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**95.3560**	**5.6354**	**0.0000**	**236.2405**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbunk Airport - Future No Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2025
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1002.78	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2025. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	2.00
tblConstructionPhase	PhaseEndDate	5/17/2024	1/2/2024
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1002.78
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.2961	20.9086	20.1564	0.0403	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,896.4710	3,896.4710	1.0518	0.0000	3,922.7664
Maximum	**2.2961**	**20.9086**	**20.1564**	**0.0403**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,896.4710**	**3,896.4710**	**1.0518**	**0.0000**	**3,922.7664**

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					
2024	2.2961	20.9086	20.1564	0.0403	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,896.4710	3,896.4710	1.0518	0.0000	3,922.7664
Maximum	**2.2961**	**20.9086**	**20.1564**	**0.0403**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,896.4710**	**3,896.4710**	**1.0518**	**0.0000**	**3,922.7664**

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

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/2/2024	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0524	0.0305	0.4491	1.4900e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		149.0483	149.0483	3.3400e-003		149.1319
Total	**0.0524**	**0.0305**	**0.4491**	**1.4900e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**149.0483**	**149.0483**	**3.3400e-003**		**149.1319**

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0524	0.0305	0.4491	1.4900e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		149.0483	149.0483	3.3400e-003		149.1319
Total	**0.0524**	**0.0305**	**0.4491**	**1.4900e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**149.0483**	**149.0483**	**3.3400e-003**		**149.1319**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Government Office Building	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Parking Lot	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unenclosed Parking with Elevator	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unrefrigerated Warehouse-No Rail	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Unmitigated	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbunk Airport - Future No Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2025
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1002.78	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2025. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	2.00
tblConstructionPhase	PhaseEndDate	5/17/2024	1/2/2024
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1002.78
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.3020	20.9116	20.1117	0.0402	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,887.1991	3,887.1991	1.0516	0.0000	3,913.4889
Maximum	**2.3020**	**20.9116**	**20.1117**	**0.0402**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,887.1991**	**3,887.1991**	**1.0516**	**0.0000**	**3,913.4889**

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					
2024	2.3020	20.9116	20.1117	0.0402	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,887.1991	3,887.1991	1.0516	0.0000	3,913.4889
Maximum	**2.3020**	**20.9116**	**20.1117**	**0.0402**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,887.1991**	**3,887.1991**	**1.0516**	**0.0000**	**3,913.4889**

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

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/2/2024	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0583	0.0335	0.4043	1.4000e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		139.7764	139.7764	3.1200e-003		139.8544
Total	**0.0583**	**0.0335**	**0.4043**	**1.4000e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**139.7764**	**139.7764**	**3.1200e-003**		**139.8544**

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0583	0.0335	0.4043	1.4000e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		139.7764	139.7764	3.1200e-003		139.8544
Total	**0.0583**	**0.0335**	**0.4043**	**1.4000e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**139.7764**	**139.7764**	**3.1200e-003**		**139.8544**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Government Office Building	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Parking Lot	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unenclosed Parking with Elevator	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unrefrigerated Warehouse-No Rail	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Unmitigated	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future No Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2029
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	611.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2029. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2028	1/2/2028
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	611.47
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2028	3-31-2028	0.0153	0.0153
		Highest	0.0153	0.0153

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	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	3,063.6694	3,063.6694	0.1387	0.0320	3,076.6863
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	190.7120	0.0000	190.7120	11.2708	0.0000	472.4810
Water						0.0000	0.0000		0.0000	0.0000	70.5833	890.5342	961.1175	7.2918	0.1799	1,197.0279
Total	**4.3184**	**0.2144**	**0.2850**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**261.2953**	**3,954.4096**	**4,215.7049**	**18.7018**	**0.2120**	**4,746.4145**

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	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Energy	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	3,063.6694	3,063.6694	0.1387	0.0320	3,076.6863
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	95.3560	0.0000	95.3560	5.6354	0.0000	236.2405
Water						0.0000	0.0000		0.0000	0.0000	70.5833	890.5342	961.1175	7.2918	0.1799	1,197.0279
Total	**4.3184**	**0.2144**	**0.2850**	**1.2900e-003**	**0.0000**	**0.0166**	**0.0166**	**0.0000**	**0.0166**	**0.0166**	**165.9393**	**3,954.4096**	**4,120.3488**	**13.0665**	**0.2120**	**4,510.1740**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.49**	**0.00**	**2.26**	**30.13**	**0.00**	**4.98**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/2/2028	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Government Office Building	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Parking Lot	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unenclosed Parking with Elevator	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unrefrigerated Warehouse-No Rail	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Burbank Airport - Future No Project - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	2,831.2846	2,831.2846	0.1343	0.0278	2,842.9205
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,831.2846	2,831.2846	0.1343	0.0278	2,842.9205
NaturalGas Mitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658
NaturalGas Unmitigated	0.0235	0.2135	0.1793	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.3848	232.3848	4.4500e-003	4.2600e-003	233.7658

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					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	712800	3.8400e-003	0.0349	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.0377	38.0377	7.3000e-004	7.0000e-004	38.2638
Government Office Building	2.88608e+006	0.0156	0.1415	0.1188	8.5000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	154.0122	154.0122	2.9500e-003	2.8200e-003	154.9274
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	755847	4.0800e-003	0.0371	0.0311	2.2000e-004		2.8200e-003	2.8200e-003		2.8200e-003	2.8200e-003	0.0000	40.3349	40.3349	7.7000e-004	7.4000e-004	40.5746
Total		**0.0235**	**0.2135**	**0.1793**	**1.2800e-003**		**0.0162**	**0.0162**		**0.0162**	**0.0162**	**0.0000**	**232.3848**	**232.3848**	**4.4500e-003**	**4.2600e-003**	**233.7658**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	125.2106	5.9400e-003	1.2300e-003	125.7251
Government Office Building	3.53568e+006	980.6496	0.0465	9.6200e-003	984.6798
Parking Lot	2.40585e+006	667.2811	0.0317	6.5500e-003	670.0234
Unenclosed Parking with Elevator	493714	136.9355	6.4900e-003	1.3400e-003	137.4983
Unrefrigerated Warehouse-No Rail	3.32137e+006	921.2079	0.0437	9.0400e-003	924.9939
Total		**2,831.2846**	**0.1343**	**0.0278**	**2,842.9205**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	451440	125.2106	5.9400e-003	1.2300e-003	125.7251
Government Office Building	3.53568e+006	980.6496	0.0465	9.6200e-003	984.6798
Parking Lot	2.40585e+006	667.2811	0.0317	6.5500e-003	670.0234
Unenclosed Parking with Elevator	493714	136.9355	6.4900e-003	1.3400e-003	137.4983
Unrefrigerated Warehouse-No Rail	3.32137e+006	921.2079	0.0437	9.0400e-003	924.9939
Total		**2,831.2846**	**0.1343**	**0.0278**	**2,842.9205**

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	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Unmitigated	4.2949	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7300e-003	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Total	**4.2949**	**9.6000e-004**	**0.1056**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.4000e-004**	**0.0000**	**0.2194**

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	0.5017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7300e-003	9.6000e-004	0.1056	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.2060	0.2060	5.4000e-004	0.0000	0.2194
Total	**4.2949**	**9.6000e-004**	**0.1056**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**0.2060**	**0.2060**	**5.4000e-004**	**0.0000**	**0.2194**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	961.1175	7.2918	0.1799	1,197.0279
Unmitigated	961.1175	7.2918	0.1799	1,197.0279

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	32.7067	0.2727	6.7000e-003	41.5208
Government Office Building	46.089 / 28.2481	268.1168	1.5138	0.0380	317.2713
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	660.2940	5.5053	0.1353	838.2358
Total		**961.1175**	**7.2918**	**0.1799**	**1,197.0279**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.325 / 0	32.7067	0.2727	6.7000e-003	41.5208
Government Office Building	46.089 / 28.2481	268.1168	1.5138	0.0380	317.2713
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	660.2940	5.5053	0.1353	838.2358
Total		**961.1175**	**7.2918**	**0.1799**	**1,197.0279**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	95.3560	5.6354	0.0000	236.2405
Unmitigated	190.7120	11.2708	0.0000	472.4810

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	44.64	9.0615	0.5355	0.0000	22.4495
Government Office Building	211.7	42.9732	2.5396	0.0000	106.4643
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**190.7121**	**11.2708**	**0.0000**	**472.4810**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	22.32	4.5308	0.2678	0.0000	11.2248
Government Office Building	105.85	21.4866	1.2698	0.0000	53.2321
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**95.3560**	**5.6354**	**0.0000**	**236.2405**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future No Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2029
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	611.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2029. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2028	1/2/2028
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	611.47
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	2.1356	19.2185	19.7637	0.0401	0.1677	0.8537	1.0214	0.0445	0.7929	0.8373	0.0000	3,877.3191	3,877.3191	1.0488	0.0000	3,903.5393
Maximum	**2.1356**	**19.2185**	**19.7637**	**0.0401**	**0.1677**	**0.8537**	**1.0214**	**0.0445**	**0.7929**	**0.8373**	**0.0000**	**3,877.3191**	**3,877.3191**	**1.0488**	**0.0000**	**3,903.5393**

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					
2028	2.1356	19.2185	19.7637	0.0401	0.1677	0.8537	1.0214	0.0445	0.7929	0.8373	0.0000	3,877.3191	3,877.3191	1.0488	0.0000	3,903.5393
Maximum	**2.1356**	**19.2185**	**19.7637**	**0.0401**	**0.1677**	**0.8537**	**1.0214**	**0.0445**	**0.7929**	**0.8373**	**0.0000**	**3,877.3191**	**3,877.3191**	**1.0488**	**0.0000**	**3,903.5393**

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

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/2/2028	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

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	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**		**0.8528**	**0.8528**		**0.7920**	**0.7920**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0430	0.0219	0.3453	1.3000e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		129.7195	129.7195	2.3700e-003		129.7787
Total	**0.0430**	**0.0219**	**0.3453**	**1.3000e-003**	**0.1677**	**9.6000e-004**	**0.1686**	**0.0445**	**8.9000e-004**	**0.0454**		**129.7195**	**129.7195**	**2.3700e-003**		**129.7787**

3.2 Demolition - 2028

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	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**		**0.8528**	**0.8528**		**0.7920**	**0.7920**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0430	0.0219	0.3453	1.3000e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		129.7195	129.7195	2.3700e-003		129.7787
Total	**0.0430**	**0.0219**	**0.3453**	**1.3000e-003**	**0.1677**	**9.6000e-004**	**0.1686**	**0.0445**	**8.9000e-004**	**0.0454**		**129.7195**	**129.7195**	**2.3700e-003**		**129.7787**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Government Office Building	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Parking Lot	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unenclosed Parking with Elevator	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unrefrigerated Warehouse-No Rail	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Unmitigated	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future No Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	232.00	1000sqft	5.33	232,000.00	0
General Light Industry	36.00	1000sqft	0.83	36,000.00	0
Unenclosed Parking with Elevator	438.00	Space	1.17	175,200.00	0
Parking Lot	6,866.00	Space	61.79	2,746,400.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2029
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	611.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with no Project. CO2 intensity factor adjusted for year 2029. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Historical energy use since built before 2005.

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	PhaseEndDate	5/19/2028	1/2/2028
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	LightingElect	2.63	2.63
tblLandUse	LotAcreage	3.94	1.17
tblProjectCharacteristics	CO2IntensityFactor	1096.12	611.47
tblSolidWaste	SolidWasteGenerationRate	215.76	211.70
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	2.1409	19.2206	19.7280	0.0401	0.1677	0.8537	1.0214	0.0445	0.7929	0.8373	0.0000	3,869.2290	3,869.2290	1.0486	0.0000	3,895.4451
Maximum	**2.1409**	**19.2206**	**19.7280**	**0.0401**	**0.1677**	**0.8537**	**1.0214**	**0.0445**	**0.7929**	**0.8373**	**0.0000**	**3,869.2290**	**3,869.2290**	**1.0486**	**0.0000**	**3,895.4451**

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					
2028	2.1409	19.2206	19.7280	0.0401	0.1677	0.8537	1.0214	0.0445	0.7929	0.8373	0.0000	3,869.2290	3,869.2290	1.0486	0.0000	3,895.4451
Maximum	**2.1409**	**19.2206**	**19.7280**	**0.0401**	**0.1677**	**0.8537**	**1.0214**	**0.0445**	**0.7929**	**0.8373**	**0.0000**	**3,869.2290**	**3,869.2290**	**1.0486**	**0.0000**	**3,895.4451**

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

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Energy	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**23.6869**	**1.1773**	**1.8276**	**7.0800e-003**	**0.0000**	**0.0919**	**0.0919**	**0.0000**	**0.0919**	**0.0919**		**1,405.4349**	**1,405.4349**	**0.0316**	**0.0257**	**1,413.8940**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/2/2028	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 62.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

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	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**		**0.8528**	**0.8528**		**0.7920**	**0.7920**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0483	0.0240	0.3096	1.2200e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		121.6294	121.6294	2.2000e-003		121.6845
Total	**0.0483**	**0.0240**	**0.3096**	**1.2200e-003**	**0.1677**	**9.6000e-004**	**0.1686**	**0.0445**	**8.9000e-004**	**0.0454**		**121.6294**	**121.6294**	**2.2000e-003**		**121.6845**

3.2 Demolition - 2028

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	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**		**0.8528**	**0.8528**		**0.7920**	**0.7920**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0483	0.0240	0.3096	1.2200e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		121.6294	121.6294	2.2000e-003		121.6845
Total	**0.0483**	**0.0240**	**0.3096**	**1.2200e-003**	**0.1677**	**9.6000e-004**	**0.1686**	**0.0445**	**8.9000e-004**	**0.0454**		**121.6294**	**121.6294**	**2.2000e-003**		**121.6845**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Government Office Building	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Parking Lot	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unenclosed Parking with Elevator	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unrefrigerated Warehouse-No Rail	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597
NaturalGas Unmitigated	0.1287	1.1697	0.9825	7.0200e-003		0.0889	0.0889		0.0889	0.0889		1,403.6187	1,403.6187	0.0269	0.0257	1,411.9597

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					
General Light Industry	1952.88	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7907.07	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2070.81	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.95288	0.0211	0.1915	0.1608	1.1500e-003		0.0146	0.0146		0.0146	0.0146		229.7502	229.7502	4.4000e-003	4.2100e-003	231.1155
Government Office Building	7.90707	0.0853	0.7752	0.6512	4.6500e-003		0.0589	0.0589		0.0589	0.0589		930.2434	930.2434	0.0178	0.0171	935.7713
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	2.07081	0.0223	0.2030	0.1705	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.6252	243.6252	4.6700e-003	4.4700e-003	245.0729
Total		**0.1287**	**1.1697**	**0.9825**	**7.0200e-003**		**0.0889**	**0.0889**		**0.0889**	**0.0889**		**1,403.6187**	**1,403.6187**	**0.0269**	**0.0257**	**1,411.9597**

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	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Unmitigated	23.5583	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

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	2.7491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.7314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0778	7.6600e-003	0.8451	6.0000e-005		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003		1.8162	1.8162	4.7200e-003		1.9343
Total	**23.5583**	**7.6600e-003**	**0.8451**	**6.0000e-005**		**3.0000e-003**	**3.0000e-003**		**3.0000e-003**	**3.0000e-003**		**1.8162**	**1.8162**	**4.7200e-003**		**1.9343**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1431.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2024. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	PhaseEndDate	4/7/2023	1/2/2023
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1431.55
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2023	1.1600e-003	0.0108	0.0100	2.0000e-005	8.0000e-005	5.0000e-004	5.8000e-004	2.0000e-005	4.6000e-004	4.9000e-004	0.0000	1.7662	1.7662	4.8000e-004	0.0000	1.7781
Maximum	**1.1600e-003**	**0.0108**	**0.0100**	**2.0000e-005**	**8.0000e-005**	**5.0000e-004**	**5.8000e-004**	**2.0000e-005**	**4.6000e-004**	**4.9000e-004**	**0.0000**	**1.7662**	**1.7662**	**4.8000e-004**	**0.0000**	**1.7781**

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					
2023	1.1600e-003	0.0108	0.0100	2.0000e-005	8.0000e-005	5.0000e-004	5.8000e-004	2.0000e-005	4.6000e-004	4.9000e-004	0.0000	1.7662	1.7662	4.8000e-004	0.0000	1.7781
Maximum	**1.1600e-003**	**0.0108**	**0.0100**	**2.0000e-005**	**8.0000e-005**	**5.0000e-004**	**5.8000e-004**	**2.0000e-005**	**4.6000e-004**	**4.9000e-004**	**0.0000**	**1.7662**	**1.7662**	**4.8000e-004**	**0.0000**	**1.7781**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.0170	0.0170
		Highest	0.0170	0.0170

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	4.8242	9.3000e-004	0.1023	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Energy	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	7,226.5986	7,226.5986	0.1461	0.0342	7,240.4265
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	216.0128	0.0000	216.0128	12.7660	0.0000	535.1627
Water						0.0000	0.0000		0.0000	0.0000	79.0690	2,419.0793	2,498.1484	8.1702	0.2019	2,762.5675
Total	**4.8517**	**0.2515**	**0.3128**	**1.5100e-003**	**0.0000**	**0.0194**	**0.0194**	**0.0000**	**0.0194**	**0.0194**	**295.0819**	**9,645.8772**	**9,940.9591**	**21.0828**	**0.2361**	**10,538.3689**

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	4.8242	9.3000e-004	0.1023	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Energy	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	7,226.5986	7,226.5986	0.1461	0.0342	7,240.4265
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	108.0064	0.0000	108.0064	6.3830	0.0000	267.5813
Water						0.0000	0.0000		0.0000	0.0000	79.0690	2,419.0793	2,498.1484	8.1702	0.2019	2,762.5675
Total	**4.8517**	**0.2515**	**0.3128**	**1.5100e-003**	**0.0000**	**0.0194**	**0.0194**	**0.0000**	**0.0194**	**0.0194**	**187.0755**	**9,645.8772**	**9,832.9527**	**14.6998**	**0.2361**	**10,270.7876**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.60**	**0.00**	**1.09**	**30.28**	**0.00**	**2.54**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

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	1.1300e-003	0.0107	9.8200e-003	2.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	1.6996	1.6996	4.8000e-004	0.0000	1.7115
Total	**1.1300e-003**	**0.0107**	**9.8200e-003**	**2.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**1.6996**	**1.6996**	**4.8000e-004**	**0.0000**	**1.7115**

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	3.0000e-005	2.0000e-005	2.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0666	0.0666	0.0000	0.0000	0.0666
Total	**3.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0666**	**0.0666**	**0.0000**	**0.0000**	**0.0666**

3.2 Demolition - 2023

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	1.1300e-003	0.0107	9.8200e-003	2.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	1.6996	1.6996	4.8000e-004	0.0000	1.7115
Total	**1.1300e-003**	**0.0107**	**9.8200e-003**	**2.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**1.6996**	**1.6996**	**4.8000e-004**	**0.0000**	**1.7115**

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	3.0000e-005	2.0000e-005	2.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0666	0.0666	0.0000	0.0000	0.0666
Total	**3.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0666**	**0.0666**	**0.0000**	**0.0000**	**0.0666**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unrefrigerated Warehouse-No Rail	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Burbank Airport - Future With Project - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	6,953.8435	6,953.8435	0.1409	0.0292	6,966.0506
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6,953.8435	6,953.8435	0.1409	0.0292	6,966.0506
NaturalGas Mitigated	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.7551	272.7551	5.2300e-003	5.0000e-003	274.3759
NaturalGas Unmitigated	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.7551	272.7551	5.2300e-003	5.0000e-003	274.3759

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					
General Light Industry	826160	4.4500e-003	0.0405	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.0870	44.0870	8.5000e-004	8.1000e-004	44.3490
Government Office Building	3.66005e+006	0.0197	0.1794	0.1507	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.3142	195.3142	3.7400e-003	3.5800e-003	196.4749
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	625027	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.3538	33.3538	6.4000e-004	6.1000e-004	33.5521
Total		**0.0276**	**0.2506**	**0.2105**	**1.5000e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**272.7551**	**272.7551**	**5.2300e-003**	**5.0000e-003**	**274.3759**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	826160	4.4500e-003	0.0405	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.0870	44.0870	8.5000e-004	8.1000e-004	44.3490
Government Office Building	3.66005e+006	0.0197	0.1794	0.1507	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.3142	195.3142	3.7400e-003	3.5800e-003	196.4749
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	625027	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.3538	33.3538	6.4000e-004	6.1000e-004	33.5521
Total		**0.0276**	**0.2506**	**0.2105**	**1.5000e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**272.7551**	**272.7551**	**5.2300e-003**	**5.0000e-003**	**274.3759**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	499560	324.3844	6.5700e-003	1.3600e-003	324.9538
Government Office Building	4.4375e+006	2,881.4470	0.0584	0.0121	2,886.5052
Parking Lot	520800	338.1764	6.8500e-003	1.4200e-003	338.7700
Unenclosed Parking with Elevator	2.46768e+006	1,602.3637	0.0325	6.7200e-003	1,605.1766
Unrefrigerated Warehouse-No Rail	2.78355e+006	1,807.4722	0.0366	7.5800e-003	1,810.6451
Total		**6,953.8435**	**0.1409**	**0.0292**	**6,966.0506**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	499560	324.3844	6.5700e-003	1.3600e-003	324.9538
Government Office Building	4.4375e+006	2,881.4470	0.0584	0.0121	2,886.5052
Parking Lot	520800	338.1764	6.8500e-003	1.4200e-003	338.7700
Unenclosed Parking with Elevator	2.46768e+006	1,602.3637	0.0325	6.7200e-003	1,605.1766
Unrefrigerated Warehouse-No Rail	2.78355e+006	1,807.4722	0.0366	7.5800e-003	1,810.6451
Total		**6,953.8435**	**0.1409**	**0.0292**	**6,966.0506**

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	4.8242	9.3000e-004	0.1023	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Unmitigated	4.8242	9.3000e-004	0.1023	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122

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	0.5611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4400e-003	9.3000e-004	0.1023	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Total	**4.8242**	**9.3000e-004**	**0.1023**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.1992**	**0.1992**	**5.2000e-004**	**0.0000**	**0.2122**

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	0.5611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4400e-003	9.3000e-004	0.1023	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Total	**4.8242**	**9.3000e-004**	**0.1023**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.1992**	**0.1992**	**5.2000e-004**	**0.0000**	**0.2122**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,498.1484	8.1702	0.2019	2,762.5675
Unmitigated	2,498.1484	8.1702	0.2019	2,762.5675

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	93.3155	0.3485	8.5600e-003	104.5779
Government Office Building	70.5242 / 43.2245	930.4891	2.3164	0.0581	1,005.7039
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,474.3439	5.5053	0.1353	1,652.2857
Total		**2,498.1484**	**8.1702**	**0.2019**	**2,762.5675**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	93.3155	0.3485	8.5600e-003	104.5779
Government Office Building	70.5242 / 43.2245	930.4891	2.3164	0.0581	1,005.7039
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,474.3439	5.5053	0.1353	1,652.2857
Total		**2,498.1484**	**8.1702**	**0.2019**	**2,762.5675**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	108.0064	6.3830	0.0000	267.5813
Unmitigated	216.0128	12.7660	0.0000	535.1627

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	57.04	11.5786	0.6843	0.0000	28.6855
Government Office Building	323.94	65.7569	3.8861	0.0000	162.9099
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**216.0128**	**12.7660**	**0.0000**	**535.1627**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	28.52	5.7893	0.3421	0.0000	14.3428
Government Office Building	161.97	32.8785	1.9431	0.0000	81.4550
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**108.0064**	**6.3830**	**0.0000**	**267.5813**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1431.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Burbank Airport - Future With Project - South Coast Air Basin, Summer

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2024. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	PhaseEndDate	4/7/2023	1/2/2023
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1431.55
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.3245	21.5179	20.1243	0.0404	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,901.1105	3,901.1105	1.0530	0.0000	3,927.4360
Maximum	**2.3245**	**21.5179**	**20.1243**	**0.0404**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,901.1105**	**3,901.1105**	**1.0530**	**0.0000**	**3,927.4360**

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					
2023	2.3245	21.5179	20.1243	0.0404	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,901.1105	3,901.1105	1.0530	0.0000	3,927.4360
Maximum	**2.3245**	**21.5179**	**20.1243**	**0.0404**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,901.1105**	**3,901.1105**	**1.0530**	**0.0000**	**3,927.4360**

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

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	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6087**	**1.3803**	**1.9716**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1192**

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	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6087**	**1.3803**	**1.9716**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1192**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		154.1265	154.1265	3.6500e-003		154.2177
Total	**0.0554**	**0.0335**	**0.4810**	**1.5500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**154.1265**	**154.1265**	**3.6500e-003**		**154.2177**

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		154.1265	154.1265	3.6500e-003		154.2177
Total	**0.0554**	**0.0335**	**0.4810**	**1.5500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**154.1265**	**154.1265**	**3.6500e-003**		**154.2177**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unrefrigerated Warehouse-No Rail	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
NaturalGas Unmitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477

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					
General Light Industry	2263.45	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10027.5	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1712.4	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.26345	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10.0275	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1.7124	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

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	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Unmitigated	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0756	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Total	**26.4576**	**7.4300e-003**	**0.8183**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5900e-003**		**1.8716**

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0756	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Total	**26.4576**	**7.4300e-003**	**0.8183**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5900e-003**		**1.8716**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2024
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1431.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Burbank Airport - Future With Project - South Coast Air Basin, Winter

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2024. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	PhaseEndDate	4/7/2023	1/2/2023
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1431.55
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.3304	21.5212	20.0771	0.0403	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,891.5379	3,891.5379	1.0528	0.0000	3,917.8574
Maximum	**2.3304**	**21.5212**	**20.0771**	**0.0403**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,891.5379**	**3,891.5379**	**1.0528**	**0.0000**	**3,917.8574**

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					
2023	2.3304	21.5212	20.0771	0.0403	0.1677	0.9987	1.1664	0.0445	0.9291	0.9735	0.0000	3,891.5379	3,891.5379	1.0528	0.0000	3,917.8574
Maximum	**2.3304**	**21.5212**	**20.0771**	**0.0403**	**0.1677**	**0.9987**	**1.1664**	**0.0445**	**0.9291**	**0.9735**	**0.0000**	**3,891.5379**	**3,891.5379**	**1.0528**	**0.0000**	**3,917.8574**

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

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	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6087**	**1.3803**	**1.9716**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1192**

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	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6087**	**1.3803**	**1.9716**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1192**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		144.5539	144.5539	3.4100e-003		144.6391
Total	**0.0614**	**0.0367**	**0.4338**	**1.4500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**144.5539**	**144.5539**	**3.4100e-003**		**144.6391**

3.2 Demolition - 2023

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	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**		**0.9975**	**0.9975**		**0.9280**	**0.9280**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		144.5539	144.5539	3.4100e-003		144.6391
Total	**0.0614**	**0.0367**	**0.4338**	**1.4500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0456**		**144.5539**	**144.5539**	**3.4100e-003**		**144.6391**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Government Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unenclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Unrefrigerated Warehouse-No Rail	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
NaturalGas Unmitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477

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					
General Light Industry	2263.45	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10027.5	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1712.4	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.26345	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10.0275	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1.7124	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

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	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Unmitigated	26.4576	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0756	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Total	**26.4576**	**7.4300e-003**	**0.8183**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5900e-003**		**1.8716**

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0756	7.4300e-003	0.8183	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5900e-003		1.8716
Total	**26.4576**	**7.4300e-003**	**0.8183**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5900e-003**		**1.8716**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2025
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1002.78	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2025. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	2.00
tblConstructionPhase	PhaseEndDate	4/5/2024	1/2/2024
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1002.78
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2024	2.3000e-003	0.0209	0.0201	4.0000e-005	1.6000e-004	9.6000e-004	1.1300e-003	4.0000e-005	8.9000e-004	9.4000e-004	0.0000	3.5284	3.5284	9.5000e-004	0.0000	3.5523
Maximum	**2.3000e-003**	**0.0209**	**0.0201**	**4.0000e-005**	**1.6000e-004**	**9.6000e-004**	**1.1300e-003**	**4.0000e-005**	**8.9000e-004**	**9.4000e-004**	**0.0000**	**3.5284**	**3.5284**	**9.5000e-004**	**0.0000**	**3.5523**

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					
2024	2.3000e-003	0.0209	0.0201	4.0000e-005	1.6000e-004	9.6000e-004	1.1300e-003	4.0000e-005	8.9000e-004	9.4000e-004	0.0000	3.5284	3.5284	9.5000e-004	0.0000	3.5523
Maximum	**2.3000e-003**	**0.0209**	**0.0201**	**4.0000e-005**	**1.6000e-004**	**9.6000e-004**	**1.1300e-003**	**4.0000e-005**	**8.9000e-004**	**9.4000e-004**	**0.0000**	**3.5284**	**3.5284**	**9.5000e-004**	**0.0000**	**3.5523**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0166	0.0166
		Highest	0.0166	0.0166

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	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Energy	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	5,143.8216	5,143.8216	0.1461	0.0342	5,157.6495
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	216.0128	0.0000	216.0128	12.7660	0.0000	535.1627
Water						0.0000	0.0000		0.0000	0.0000	79.0690	1,694.5300	1,773.5990	8.1702	0.2019	2,038.0181
Total	**4.8517**	**0.2515**	**0.3127**	**1.5100e-003**	**0.0000**	**0.0194**	**0.0194**	**0.0000**	**0.0194**	**0.0194**	**295.0819**	**6,838.5508**	**7,133.6326**	**21.0828**	**0.2361**	**7,731.0424**

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	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Energy	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	5,143.8216	5,143.8216	0.1461	0.0342	5,157.6495
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	108.0064	0.0000	108.0064	6.3830	0.0000	267.5813
Water						0.0000	0.0000		0.0000	0.0000	79.0690	1,694.5300	1,773.5990	8.1702	0.2019	2,038.0181
Total	**4.8517**	**0.2515**	**0.3127**	**1.5100e-003**	**0.0000**	**0.0194**	**0.0194**	**0.0000**	**0.0194**	**0.0194**	**187.0755**	**6,838.5508**	**7,025.6262**	**14.6998**	**0.2361**	**7,463.4611**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.60**	**0.00**	**1.51**	**30.28**	**0.00**	**3.46**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/2/2024	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

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	2.2400e-003	0.0209	0.0197	4.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.3996	3.3996	9.5000e-004	0.0000	3.4234
Total	**2.2400e-003**	**0.0209**	**0.0197**	**4.0000e-005**		**9.6000e-004**	**9.6000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**3.3996**	**3.3996**	**9.5000e-004**	**0.0000**	**3.4234**

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	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1288	0.1288	0.0000	0.0000	0.1289
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1288**	**0.1288**	**0.0000**	**0.0000**	**0.1289**

3.2 Demolition - 2024

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	2.2400e-003	0.0209	0.0197	4.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.3996	3.3996	9.5000e-004	0.0000	3.4234
Total	**2.2400e-003**	**0.0209**	**0.0197**	**4.0000e-005**		**9.6000e-004**	**9.6000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**3.3996**	**3.3996**	**9.5000e-004**	**0.0000**	**3.4234**

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	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1288	0.1288	0.0000	0.0000	0.1289
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1288**	**0.1288**	**0.0000**	**0.0000**	**0.1289**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Government Office Building	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Parking Lot	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unenclosed Parking with Elevator	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unrefrigerated Warehouse-No Rail	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Burbank Airport - Future With Project - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	4,871.0665	4,871.0665	0.1409	0.0292	4,883.2735
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,871.0665	4,871.0665	0.1409	0.0292	4,883.2735
NaturalGas Mitigated	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.7551	272.7551	5.2300e-003	5.0000e-003	274.3759
NaturalGas Unmitigated	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.7551	272.7551	5.2300e-003	5.0000e-003	274.3759

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					
General Light Industry	826160	4.4500e-003	0.0405	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.0870	44.0870	8.5000e-004	8.1000e-004	44.3490
Government Office Building	3.66005e+006	0.0197	0.1794	0.1507	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.3142	195.3142	3.7400e-003	3.5800e-003	196.4749
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	625027	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.3538	33.3538	6.4000e-004	6.1000e-004	33.5521
Total		**0.0276**	**0.2506**	**0.2105**	**1.5000e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**272.7551**	**272.7551**	**5.2300e-003**	**5.0000e-003**	**274.3759**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	826160	4.4500e-003	0.0405	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.0870	44.0870	8.5000e-004	8.1000e-004	44.3490
Government Office Building	3.66005e+006	0.0197	0.1794	0.1507	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.3142	195.3142	3.7400e-003	3.5800e-003	196.4749
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	625027	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.3538	33.3538	6.4000e-004	6.1000e-004	33.5521
Total		**0.0276**	**0.2506**	**0.2105**	**1.5000e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**272.7551**	**272.7551**	**5.2300e-003**	**5.0000e-003**	**274.3759**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	499560	227.2265	6.5700e-003	1.3600e-003	227.7960
Government Office Building	4.4375e+006	2,018.4118	0.0584	0.0121	2,023.4700
Parking Lot	520800	236.8876	6.8500e-003	1.4200e-003	237.4813
Unenclosed Parking with Elevator	2.46768e+006	1,122.4325	0.0325	6.7200e-003	1,125.2454
Unrefrigerated Warehouse-No Rail	2.78355e+006	1,266.1080	0.0366	7.5800e-003	1,269.2809
Total		**4,871.0665**	**0.1409**	**0.0292**	**4,883.2735**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	499560	227.2265	6.5700e-003	1.3600e-003	227.7960
Government Office Building	4.4375e+006	2,018.4118	0.0584	0.0121	2,023.4700
Parking Lot	520800	236.8876	6.8500e-003	1.4200e-003	237.4813
Unenclosed Parking with Elevator	2.46768e+006	1,122.4325	0.0325	6.7200e-003	1,125.2454
Unrefrigerated Warehouse-No Rail	2.78355e+006	1,266.1080	0.0366	7.5800e-003	1,269.2809
Total		**4,871.0665**	**0.1409**	**0.0292**	**4,883.2735**

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	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Unmitigated	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122

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	0.5611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4100e-003	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Total	**4.8241**	**9.3000e-004**	**0.1022**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.1992**	**0.1992**	**5.2000e-004**	**0.0000**	**0.2122**

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	0.5611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4100e-003	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Total	**4.8241**	**9.3000e-004**	**0.1022**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.1992**	**0.1992**	**5.2000e-004**	**0.0000**	**0.2122**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,773.5990	8.1702	0.2019	2,038.0181
Unmitigated	1,773.5990	8.1702	0.2019	2,038.0181

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	66.3769	0.3485	8.5600e-003	77.6394
Government Office Building	70.5242 / 43.2245	658.4954	2.3164	0.0581	733.7103
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,048.7266	5.5053	0.1353	1,226.6685
Total		**1,773.5990**	**8.1702**	**0.2019**	**2,038.0181**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	66.3769	0.3485	8.5600e-003	77.6394
Government Office Building	70.5242 / 43.2245	658.4954	2.3164	0.0581	733.7103
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	1,048.7266	5.5053	0.1353	1,226.6685
Total		**1,773.5990**	**8.1702**	**0.2019**	**2,038.0181**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	108.0064	6.3830	0.0000	267.5813
Unmitigated	216.0128	12.7660	0.0000	535.1627

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	57.04	11.5786	0.6843	0.0000	28.6855
Government Office Building	323.94	65.7569	3.8861	0.0000	162.9099
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**216.0128**	**12.7660**	**0.0000**	**535.1627**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	28.52	5.7893	0.3421	0.0000	14.3428
Government Office Building	161.97	32.8785	1.9431	0.0000	81.4550
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**108.0064**	**6.3830**	**0.0000**	**267.5813**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2025
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1002.78	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Burbank Airport - Future With Project - South Coast Air Basin, Summer

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2025. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	2.00
tblConstructionPhase	PhaseEndDate	4/5/2024	1/2/2024
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1002.78
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.2961	20.9086	20.1564	0.0403	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,896.4710	3,896.4710	1.0518	0.0000	3,922.7664
Maximum	**2.2961**	**20.9086**	**20.1564**	**0.0403**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,896.4710**	**3,896.4710**	**1.0518**	**0.0000**	**3,922.7664**

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					
2024	2.2961	20.9086	20.1564	0.0403	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,896.4710	3,896.4710	1.0518	0.0000	3,922.7664
Maximum	**2.2961**	**20.9086**	**20.1564**	**0.0403**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,896.4710**	**3,896.4710**	**1.0518**	**0.0000**	**3,922.7664**

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

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/2/2024	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0524	0.0305	0.4491	1.4900e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		149.0483	149.0483	3.3400e-003		149.1319
Total	**0.0524**	**0.0305**	**0.4491**	**1.4900e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**149.0483**	**149.0483**	**3.3400e-003**		**149.1319**

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0524	0.0305	0.4491	1.4900e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		149.0483	149.0483	3.3400e-003		149.1319
Total	**0.0524**	**0.0305**	**0.4491**	**1.4900e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**149.0483**	**149.0483**	**3.3400e-003**		**149.1319**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Government Office Building	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Parking Lot	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unenclosed Parking with Elevator	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unrefrigerated Warehouse-No Rail	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
NaturalGas Unmitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477

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					
General Light Industry	2263.45	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10027.5	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1712.4	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.26345	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10.0275	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1.7124	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Unmitigated	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2025
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	1002.78	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2025. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	2.00
tblConstructionPhase	PhaseEndDate	4/5/2024	1/2/2024
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	1002.78
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.3020	20.9116	20.1117	0.0402	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,887.1991	3,887.1991	1.0516	0.0000	3,913.4889
Maximum	**2.3020**	**20.9116**	**20.1117**	**0.0402**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,887.1991**	**3,887.1991**	**1.0516**	**0.0000**	**3,913.4889**

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					
2024	2.3020	20.9116	20.1117	0.0402	0.1677	0.9613	1.1290	0.0445	0.8933	0.9377	0.0000	3,887.1991	3,887.1991	1.0516	0.0000	3,913.4889
Maximum	**2.3020**	**20.9116**	**20.1117**	**0.0402**	**0.1677**	**0.9613**	**1.1290**	**0.0445**	**0.8933**	**0.9377**	**0.0000**	**3,887.1991**	**3,887.1991**	**1.0516**	**0.0000**	**3,913.4889**

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

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/2/2024	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0583	0.0335	0.4043	1.4000e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		139.7764	139.7764	3.1200e-003		139.8544
Total	**0.0583**	**0.0335**	**0.4043**	**1.4000e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**139.7764**	**139.7764**	**3.1200e-003**		**139.8544**

3.2 Demolition - 2024

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	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**		**0.9602**	**0.9602**		**0.8922**	**0.8922**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0583	0.0335	0.4043	1.4000e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		139.7764	139.7764	3.1200e-003		139.8544
Total	**0.0583**	**0.0335**	**0.4043**	**1.4000e-003**	**0.1677**	**1.1600e-003**	**0.1688**	**0.0445**	**1.0700e-003**	**0.0455**		**139.7764**	**139.7764**	**3.1200e-003**		**139.8544**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Government Office Building	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Parking Lot	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unenclosed Parking with Elevator	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Unrefrigerated Warehouse-No Rail	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
NaturalGas Unmitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477

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					
General Light Industry	2263.45	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10027.5	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1712.4	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.26345	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10.0275	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1.7124	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Unmitigated	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2029
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	611.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2029. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	0.00
tblConstructionPhase	PhaseEndDate	4/7/2028	1/2/2028
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	611.47
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Energy	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	3,243.0088	3,243.0088	0.1461	0.0342	3,256.8367
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	216.0128	0.0000	216.0128	12.7660	0.0000	535.1627
Water						0.0000	0.0000		0.0000	0.0000	79.0690	1,033.2817	1,112.3508	8.1702	0.2019	1,376.7699
Total	**4.8517**	**0.2515**	**0.3127**	**1.5100e-003**	**0.0000**	**0.0194**	**0.0194**	**0.0000**	**0.0194**	**0.0194**	**295.0819**	**4,276.4898**	**4,571.5716**	**21.0828**	**0.2361**	**5,168.9814**

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	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Energy	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	3,243.0088	3,243.0088	0.1461	0.0342	3,256.8367
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	108.0064	0.0000	108.0064	6.3830	0.0000	267.5813
Water						0.0000	0.0000		0.0000	0.0000	79.0690	1,033.2817	1,112.3508	8.1702	0.2019	1,376.7699
Total	**4.8517**	**0.2515**	**0.3127**	**1.5100e-003**	**0.0000**	**0.0194**	**0.0194**	**0.0000**	**0.0194**	**0.0194**	**187.0755**	**4,276.4898**	**4,463.5652**	**14.6998**	**0.2361**	**4,901.4001**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**36.60**	**0.00**	**2.36**	**30.28**	**0.00**	**5.18**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/2/2028	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Government Office Building	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Parking Lot	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unenclosed Parking with Elevator	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unrefrigerated Warehouse-No Rail	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Burbank Airport - Future With Project - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive 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	2,970.2537	2,970.2537	0.1409	0.0292	2,982.4608
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,970.2537	2,970.2537	0.1409	0.0292	2,982.4608
NaturalGas Mitigated	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.7551	272.7551	5.2300e-003	5.0000e-003	274.3759
NaturalGas Unmitigated	0.0276	0.2506	0.2105	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.7551	272.7551	5.2300e-003	5.0000e-003	274.3759

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					
General Light Industry	826160	4.4500e-003	0.0405	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.0870	44.0870	8.5000e-004	8.1000e-004	44.3490
Government Office Building	3.66005e+006	0.0197	0.1794	0.1507	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.3142	195.3142	3.7400e-003	3.5800e-003	196.4749
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	625027	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.3538	33.3538	6.4000e-004	6.1000e-004	33.5521
Total		**0.0276**	**0.2506**	**0.2105**	**1.5000e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**272.7551**	**272.7551**	**5.2300e-003**	**5.0000e-003**	**274.3759**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	826160	4.4500e-003	0.0405	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.0870	44.0870	8.5000e-004	8.1000e-004	44.3490
Government Office Building	3.66005e+006	0.0197	0.1794	0.1507	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.3142	195.3142	3.7400e-003	3.5800e-003	196.4749
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	625027	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.3538	33.3538	6.4000e-004	6.1000e-004	33.5521
Total		**0.0276**	**0.2506**	**0.2105**	**1.5000e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**272.7551**	**272.7551**	**5.2300e-003**	**5.0000e-003**	**274.3759**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	499560	138.5570	6.5700e-003	1.3600e-003	139.1265
Government Office Building	4.4375e+006	1,230.7767	0.0584	0.0121	1,235.8349
Parking Lot	520800	144.4481	6.8500e-003	1.4200e-003	145.0418
Unenclosed Parking with Elevator	2.46768e+006	684.4311	0.0325	6.7200e-003	687.2440
Unrefrigerated Warehouse-No Rail	2.78355e+006	772.0408	0.0366	7.5800e-003	775.2137
Total		**2,970.2537**	**0.1409**	**0.0292**	**2,982.4608**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	499560	138.5570	6.5700e-003	1.3600e-003	139.1265
Government Office Building	4.4375e+006	1,230.7767	0.0584	0.0121	1,235.8349
Parking Lot	520800	144.4481	6.8500e-003	1.4200e-003	145.0418
Unenclosed Parking with Elevator	2.46768e+006	684.4311	0.0325	6.7200e-003	687.2440
Unrefrigerated Warehouse-No Rail	2.78355e+006	772.0408	0.0366	7.5800e-003	775.2137
Total		**2,970.2537**	**0.1409**	**0.0292**	**2,982.4608**

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	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Unmitigated	4.8241	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122

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	0.5611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4100e-003	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Total	**4.8241**	**9.3000e-004**	**0.1022**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.1992**	**0.1992**	**5.2000e-004**	**0.0000**	**0.2122**

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	0.5611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.4100e-003	9.3000e-004	0.1022	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	0.1992	0.1992	5.2000e-004	0.0000	0.2122
Total	**4.8241**	**9.3000e-004**	**0.1022**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.1992**	**0.1992**	**5.2000e-004**	**0.0000**	**0.2122**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,112.3508	8.1702	0.2019	1,376.7699
Unmitigated	1,112.3508	8.1702	0.2019	1,376.7699

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	41.7919	0.3485	8.5600e-003	53.0544
Government Office Building	70.5242 / 43.2245	410.2649	2.3164	0.0581	485.4797
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	660.2940	5.5053	0.1353	838.2358
Total		**1,112.3508**	**8.1702**	**0.2019**	**1,376.7699**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6375 / 0	41.7919	0.3485	8.5600e-003	53.0544
Government Office Building	70.5242 / 43.2245	410.2649	2.3164	0.0581	485.4797
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	168.068 / 0	660.2940	5.5053	0.1353	838.2358
Total		**1,112.3508**	**8.1702**	**0.2019**	**1,376.7699**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	108.0064	6.3830	0.0000	267.5813
Unmitigated	216.0128	12.7660	0.0000	535.1627

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	57.04	11.5786	0.6843	0.0000	28.6855
Government Office Building	323.94	65.7569	3.8861	0.0000	162.9099
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	683.17	138.6773	8.1956	0.0000	343.5672
Total		**216.0128**	**12.7660**	**0.0000**	**535.1627**

8.2 Waste by Land Use

Mitigated

General Light Industry	28.52	5.7893	0.3421	0.0000	14.3428
Government Office Building	161.97	32.8785	1.9431	0.0000	81.4550
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341.585	69.3387	4.0978	0.0000	171.7836
Total		**108.0064**	**6.3830**	**0.0000**	**267.5813**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2029
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	611.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Burbank Airport - Future With Project - South Coast Air Basin, Summer

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2029. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	0.00
tblConstructionPhase	PhaseEndDate	4/7/2028	1/2/2028
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	611.47
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/2/2028	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Government Office Building	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Parking Lot	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unenclosed Parking with Elevator	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unrefrigerated Warehouse-No Rail	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
NaturalGas Unmitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477

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					
General Light Industry	2263.45	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10027.5	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1712.4	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.26345	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10.0275	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1.7124	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Unmitigated	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Burbank Airport - Future With Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	355.00	1000sqft	4.07	355,000.00	0
General Light Industry	46.00	1000sqft	1.06	46,000.00	0
Unenclosed Parking with Elevator	3,180.00	Space	3.44	1,272,000.00	0
Parking Lot	3,720.00	Space	33.48	1,488,000.00	0
Unrefrigerated Warehouse-No Rail	726.78	1000sqft	16.68	726,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	12			**Operational Year**	2029
Utility Company	Burbank Water & Power				
CO2 Intensity (lb/MWhr)	611.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Burbank Airport - Future With Project - South Coast Air Basin, Winter

Project Characteristics - Operations run for future Burbank Airport with Project. CO2 intensity factor adjusted for year 2029. See operational assumptions for additional details.

Land Use - see operational assumptions

Construction Phase - operational run only

Vehicle Trips - operational mobile emissions calculated outside of CalEEMod.

Energy Use - Adjusted for 2019 Title 24 Standards

Solid Waste - Solid waste generation for terminal calculated outside of CalEEMod. Other land uses solid waste generation based on CalEEMod defaults. See operational assumptions for details.

Waste Mitigation - Compliance with State regulations.

Burbank Airport - Future With Project - South Coast Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	0.00
tblConstructionPhase	PhaseEndDate	4/7/2028	1/2/2028
tblEnergyUse	T24E	2.25	2.01
tblEnergyUse	T24E	4.60	4.11
tblEnergyUse	T24E	0.65	0.58
tblEnergyUse	T24NG	13.65	13.51
tblEnergyUse	T24NG	10.02	9.92
tblEnergyUse	T24NG	0.84	0.83
tblLandUse	LotAcreage	8.15	4.07
tblLandUse	LotAcreage	28.62	3.44
tblProjectCharacteristics	CO2IntensityFactor	1096.12	611.47
tblSolidWaste	SolidWasteGenerationRate	330.15	323.94
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Energy	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**26.6084**	**1.3803**	**1.9707**	**8.3000e-003**	**0.0000**	**0.1073**	**0.1073**	**0.0000**	**0.1073**	**0.1073**		**1,649.2146**	**1,649.2146**	**0.0362**	**0.0302**	**1,659.1188**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/2/2028	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 36.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

3.2 Demolition - 2028

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Government Office Building	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Parking Lot	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unenclosed Parking with Elevator	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770
Unrefrigerated Warehouse-No Rail	0.554577	0.041789	0.206455	0.111677	0.013024	0.005776	0.022231	0.034458	0.002161	0.001509	0.004856	0.000717	0.000770

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477
NaturalGas Unmitigated	0.1510	1.3729	1.1532	8.2400e-003		0.1043	0.1043		0.1043	0.1043		1,647.4577	1,647.4577	0.0316	0.0302	1,657.2477

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					
General Light Industry	2263.45	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10027.5	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1712.4	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.26345	0.0244	0.2219	0.1864	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.2885	266.2885	5.1000e-003	4.8800e-003	267.8709
Government Office Building	10.0275	0.1081	0.9831	0.8258	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.7099	1,179.7099	0.0226	0.0216	1,186.7203
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
Unenclosed Parking with Elevator	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
Unrefrigerated Warehouse-No Rail	1.7124	0.0185	0.1679	0.1410	1.0100e-003		0.0128	0.0128		0.0128	0.0128		201.4593	201.4593	3.8600e-003	3.6900e-003	202.6564
Total		**0.1510**	**1.3729**	**1.1532**	**8.2400e-003**		**0.1043**	**0.1043**		**0.1043**	**0.1043**		**1,647.4577**	**1,647.4577**	**0.0316**	**0.0302**	**1,657.2477**

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	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Unmitigated	26.4574	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

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	3.0745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.3076					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0753	7.4100e-003	0.8175	6.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003		1.7569	1.7569	4.5700e-003		1.8711
Total	**26.4574**	**7.4100e-003**	**0.8175**	**6.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**		**1.7569**	**1.7569**	**4.5700e-003**		**1.8711**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX E-4

HAP EMISSIONS CALCULATIONS

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Maximum Annual Construction HAP Pollutant Emissions Summary

HAP Pollutant	Emissions (lb/day)	Emissions (tons/year)
1,1,1-Trichloroethane	0.00E+00	0.00E+00
1,3-Butadiene	6.88E-03	2.40E-04
2,2,4-Trimethylpentane	3.01E-02	1.04E-03
2-Methylnaphthalene	0.00E+00	0.00E+00
Acetaldehyde	2.03E-01	7.09E-03
Acetone	0.00E+00	0.00E+00
Acrolein	3.05E-05	1.05E-06
Benzaldehyde	2.04E-02	7.15E-04
Benzene	8.49E-02	2.96E-03
Butyl cellosolve	0.00E+00	0.00E+00
Chlorobenzene	0.00E+00	0.00E+00
Cyclohexane	3.45E-03	1.19E-04
Dichloromethane	0.00E+00	0.00E+00
Thyl acetate	0.00E+00	0.00E+00
Ethyl ether	0.00E+00	0.00E+00
Ethylbenzene	0.00E+00	0.00E+00
Ethylene bromide	0.00E+00	0.00E+00
Ethylene glycol	0.00E+00	0.00E+00
Formaldehyde	4.02E-01	1.41E-02
Isomers of xylene	0.00E+00	0.00E+00
Isopropylbenzene	0.00E+00	0.00E+00
m & p-Xylene	0.00E+00	0.00E+00
Methyl alcohol	0.00E+00	0.00E+00
Methyl chloride	0.00E+00	0.00E+00
Methyl ethyl ketone	0.00E+00	0.00E+00
Methyl tert butyl ether	0.00E+00	0.00E+00
m-xylene	3.49E-02	1.21E-03
Naphthalene	4.42E-03	1.54E-04
n-Butyl alcohol	0.00E+00	0.00E+00
n-Heptane	6.51E-03	2.26E-04
n-Hexane	0.00E+00	0.00E+00
o-Xylene	2.09E-02	7.26E-04
Perchloroethylene	0.00E+00	0.00E+00
Phenol (carbolic acid)	0.00E+00	0.00E+00
Phthalic anhydride	0.00E+00	0.00E+00
Propionaldehyde	2.68E-02	9.37E-04
Styrene	2.88E-03	1.00E-04
Toluene	7.63E-02	2.65E-03
Trichloroethylene	0.00E+00	0.00E+00
Trichlorotrifluoroethan	0.00E+00	0.00E+00
Vinyl acetate	0.00E+00	0.00E+00

Source: FAA. Aviation Emissions and Air Quality Handbook. Table 6-4. Potential HAPs to be Included in an Airport Emissions Inventory.

https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/airquality_handbook/media/Air_Quality_Handbook_Appendices.pdf

2018					
2018 HAPS	**Formaldehyde (IRIS, CAA)**	**Methyl alcohol (IRIS, CAA)**	**C-4 Benzene + C-3 Aroald**	**C-5 Benzene + C-4 Aroald**	**Benzene (IRIS, CAA)**
17.69047019	2.177746015	0.319317357	0.1160488	0.057311978	0.297386913

2024					
HAPS	**Formaldehyde (IRIS, CAA)**	**Methyl alcohol (IRIS, CAA)**	**C-4 Benzene + C-3 Aroald**	**C-5 Benzene + C-4 Aroald**	**Benzene (IRIS, CAA)**
21.05165953	2.591517758	0.379987655	0.138098071	0.068201254	0.353890427

2029					
HAPS	**Formaldehyde (IRIS, CAA)**	**Methyl alcohol (IRIS, CAA)**	**C-4 Benzene + C-3 Aroald**	**C-5 Benzene + C-4 Aroald**	**Benzene (IRIS, CAA)**
24.63044165	3.032075777	0.444585556	0.161574744	0.079795467	0.414051799

2018					
2018 HAPS	**Acetaldehyde (IRIS, CAA)**	**Naphthalene (IRIS, CAA)**	**O-xylene (IRIS, CAA)**	**Isopropylbenzene (cumene) (IRIS, CAA)**	**Ethylbenzene (IRIS, CAA)**
17.69047019	0.755751725	0.095703874	0.029357184	0.000526114	0.03077289

2024					
HAPS	**Acetaldehyde (IRIS, CAA)**	**Naphthalene (IRIS, CAA)**	**O-xylene (IRIS, CAA)**	**Isopropylbenzene (cumene) (IRIS, CAA)**	**Ethylbenzene (IRIS, CAA)**
21.05165953	0.899344553	0.11388761	0.034935049	0.000626076	0.036619739

2029					
HAPS	**Acetaldehyde (IRIS, CAA)**	**Naphthalene (IRIS, CAA)**	**O-xylene (IRIS, CAA)**	**Isopropylbenzene (cumene) (IRIS, CAA)**	**Ethylbenzene (IRIS, CAA)**
24.63044165	1.052233127	0.133248503	0.040874007	0.000732508	0.042845094

2018					
2018 HAPS	**Styrene (IRIS, CAA)**	**M & P-xylene (IRIS, CAA)**	**1,3-butadiene (IRIS, CAA)**	**Acrolein (IRIS, CAA)**	**Toluene (IRIS, CAA)**
17.69047019	0.054659208	0.049881743	0.298444587	0.433246941	0.113576391

2024					
HAPS	**Styrene (IRIS, CAA)**	**M & P-xylene (IRIS, CAA)**	**1,3-butadiene (IRIS, CAA)**	**Acrolein (IRIS, CAA)**	**Toluene (IRIS, CAA)**
21.05165953	0.065044457	0.059359275	0.355149058	0.51556386	0.135155905

2029					
HAPS	**Styrene (IRIS, CAA)**	**M & P-xylene (IRIS, CAA)**	**1,3-butadiene (IRIS, CAA)**	**Acrolein (IRIS, CAA)**	**Toluene (IRIS, CAA)**
24.63044165	0.076102015	0.069450351	0.415524398	0.603209716	0.158132409

2018					
2018 HAPS	**Phenol (carbolic acid) (IRIS, CAA)**	**Propionaldehyde (CAA)**	**Acetone (IRIS)**	**2-methylnaphthalene (IRIS)**	**Benzaldehyde (IRIS)**
17.69047019	0.128433497	0.128613858	0.065276968	0.036435977	0.083143114

2024					
HAPS	**Phenol (carbolic acid) (IRIS, CAA)**	**Propionaldehyde (CAA)**	**Acetone (IRIS)**	**2-methylnaphthalene (IRIS)**	**Benzaldehyde (IRIS)**
21.05165953	0.152835862	0.153050491	0.077679592	0.043358813	0.098940305

2029					
HAPS	**Phenol (carbolic acid) (IRIS, CAA)**	**Propionaldehyde (CAA)**	**Acetone (IRIS)**	**2-methylnaphthalene (IRIS)**	**Benzaldehyde (IRIS)**
24.63044165	0.178817958	0.179069075	0.090885123	0.050729811	0.115760157

2018					
2018 HAPS	**N-heptane (IRIS)**	**Ethane**	**Ethylene**	**Acetylene**	**Propane**
17.69047019	0.01131588	0.092167762	2.735175412	0.696841432	0.013795355

2024					
HAPS	**N-heptane (IRIS)**	**Ethane**	**Ethylene**	**Acetylene**	**Propane**
21.05165953	0.013465897	0.109679636	3.25485874	0.829241304	0.016416472

2029					
HAPS	**N-heptane (IRIS)**	**Ethane**	**Ethylene**	**Acetylene**	**Propane**
24.63044165	0.0157551	0.128325175	3.808184726	0.970212325	0.019207273

2018					
2018 HAPS	2-methyl-2-propenal (methacrolein)	Methylglyoxal	1-Methylnaphthalene	1,2,4-trimethylbenzene (1,3,4-trimethylbenzene)	N-propylbenzene
17.69047019	0.075887156	0.265893263	0.043691671	0.06191273	0.009368637

2024					
HAPS	2-methyl-2-propenal (methacrolein)	Methylglyoxal	1-Methylnaphthalene	1,2,4-trimethylbenzene (1,3,4-trimethylbenzene)	N-propylbenzene
21.05165953	0.090305715	0.316412983	0.051993088	0.073676148	0.011148678

2029					
HAPS	2-methyl-2-propenal (methacrolein)	Methylglyoxal	1-Methylnaphthalene	1,2,4-trimethylbenzene (1,3,4-trimethylbenzene)	N-propylbenzene
24.63044165	0.105657687	0.37020319	0.060831913	0.086201093	0.013043953

2018					
2018 HAPS	**p-Tolualdehyde**	**2-methyl-1-butene**	**3-methyl-1-butene**	**1-butene**	**Glyoxal**
17.69047019	0.008482683	0.024759419	0.019804449	0.310299951	0.321256719

2024					
HAPS	**p-Tolualdehyde**	**2-methyl-1-butene**	**3-methyl-1-butene**	**1-butene**	**Glyoxal**
21.05165953	0.010094392	0.029463709	0.023567294	0.369256942	0.382295495

2029					
HAPS	**p-Tolualdehyde**	**2-methyl-1-butene**	**3-methyl-1-butene**	**1-butene**	**Glyoxal**
24.63044165	0.011810439	0.034472539	0.027573734	0.432030622	0.447285729

2018					
2018 HAPS	**2-methylpentane**	**1,3,5-trimethylbenzene**	**N-pentane**	**1-pentene**	**2-methyl-1-pentene**
17.69047019	0.07217205	0.009545801	0.035020437	0.137280463	0.006014506

2024					
HAPS	**2-methylpentane**	**1,3,5-trimethylbenzene**	**N-pentane**	**1-pentene**	**2-methyl-1-pentene**
21.05165953	0.085884739	0.011359504	0.04167432	0.16336375	0.007157263

2029					
HAPS	**2-methylpentane**	**1,3,5-trimethylbenzene**	**N-pentane**	**1-pentene**	**2-methyl-1-pentene**
24.63044165	0.100485145	0.013290619	0.048758954	0.191135588	0.008373997

2018					
2018 HAPS	**4-methyl-1-pentene**	**Valeraldehyde**	**N-octane**	**1-octene**	**N-nonane**
17.69047019	0.012198164	0.043337144	0.010961276	0.048820884	0.010961276

2024					
HAPS	**4-methyl-1-pentene**	**Valeraldehyde**	**N-octane**	**1-octene**	**N-nonane**
21.05165953	0.014515815	0.051571201	0.013043918	0.058096853	0.013043918

2029					
HAPS	**4-methyl-1-pentene**	**Valeraldehyde**	**N-octane**	**1-octene**	**N-nonane**
24.63044165	0.016983503	0.060338305	0.015261384	0.067973317	0.015261384

2018					
2018 HAPS	**N-dodecane**	**Propylene**	**Butyraldehyde**	**1-nonene**	**N-decane**
17.69047019	0.081724862	0.802101082	0.021043012	0.04351433	0.056606826

2024					
HAPS	**N-dodecane**	**Propylene**	**Butyraldehyde**	**1-nonene**	**N-decane**
21.05165953	0.097252585	0.954500288	0.025041185	0.051782053	0.067362122

2029					
HAPS	**N-dodecane**	**Propylene**	**Butyraldehyde**	**1-nonene**	**N-decane**
24.63044165	0.113785525	1.116765337	0.029298186	0.060585002	0.078813683

2018					
2018 HAPS	**2-methyl-2-butene**	**1,2,3-trimethylbenzene**	**o-Tolualdehyde**	**N-Hexadecane**	**Cis-2-butene**
17.69047019	0.032719229	0.018747382	0.040684473	0.008659263	0.03714296

2024					
HAPS	**2-methyl-2-butene**	**1,2,3-trimethylbenzene**	**o-Tolualdehyde**	**N-Hexadecane**	**Cis-2-butene**
21.05165953	0.038935882	0.022309385	0.048414523	0.010304523	0.044200122

2029					
HAPS	**2-methyl-2-butene**	**1,2,3-trimethylbenzene**	**o-Tolualdehyde**	**N-Hexadecane**	**Cis-2-butene**
24.63044165	0.045554982	0.02610198	0.056644991	0.012056292	0.051714143

2018					
2018 HAPS	**Isovaleraldehyde**	**1-hexene**	**1-Methyl-2-ethylbenzene (o-ethyltoluene)**	**1-Methyl-3-ethylbenzene (m-ethyltoluene)**	**Tolualdehyde**
17.69047019	0.005660034	0.130205119	0.011493882	0.027234485	0.049174574

2024					
HAPS	**Isovaleraldehyde**	**1-hexene**	**1-Methyl-2-ethylbenzene (o-ethyltoluene)**	**1-Methyl-3-ethylbenzene (m-ethyltoluene)**	**Tolualdehyde**
21.05165953	0.006735441	0.154944092	0.01367772	0.032409037	0.058517743

2029					
HAPS	**Isovaleraldehyde**	**1-hexene**	**1-Methyl-2-ethylbenzene (o-ethyltoluene)**	**1-Methyl-3-ethylbenzene (m-ethyltoluene)**	**Tolualdehyde**
24.63044165	0.007880466	0.181284587	0.016002932	0.037918573	0.068465759

2018					
2018 HAPS	**1-Methyl-4-ethylbenzene (p-ethyltoluene)**	**Cis-2-pentene**	**N-tridecane**	**N-Tetradecane**	**N-Pentadecane**
17.69047019	0.01131588	0.048820884	0.09464587	0.07358867	0.030596993

2024					
HAPS	**1-Methyl-4-ethylbenzene (p-ethyltoluene)**	**Cis-2-pentene**	**N-tridecane**	**N-Tetradecane**	**N-Pentadecane**
21.05165953	0.013465897	0.058096853	0.112628585	0.087570518	0.036410422

2029					
HAPS	**1-Methyl-4-ethylbenzene (p-ethyltoluene)**	**Cis-2-pentene**	**N-tridecane**	**N-Tetradecane**	**N-Pentadecane**
24.63044165	0.0157551	0.067973317	0.131775444	0.102457506	0.042600193

2018					
2018 HAPS	**N-heptadecane**	**Trans-2-pentene**	**1-decene**	**N-undecane**	**Trans-2-hexene**
17.69047019	0.001585385	0.063507485	0.032719229	0.078539694	0.00530672

2024					
HAPS	**N-heptadecane**	**Trans-2-pentene**	**1-decene**	**N-undecane**	**Trans-2-hexene**
21.05165953	0.001886609	0.075573907	0.038935882	0.093462236	0.006314996

2029					
HAPS	**N-heptadecane**	**Trans-2-pentene**	**1-decene**	**N-undecane**	**Trans-2-hexene**
24.63044165	0.002207332	0.088421471	0.045554982	0.109350817	0.007388546

2018					
2018 HAPS	**Crotonaldehyde**	**Heptene**	**Dimethyl napthalene**	**C-10 Olefins**	**C-10 Paraffins**
17.69047019	0.182745343	0.077480743	0.015916544	1.033672943	2.583921835

2024					
HAPS	**Crotonaldehyde**	**Heptene**	**Dimethyl napthalene**	**C-10 Olefins**	**C-10 Paraffins**
21.05165953	0.217466958	0.092202084	0.018940687	1.230070802	3.074866983

2029					
HAPS	**Crotonaldehyde**	**Heptene**	**Dimethyl napthalene**	**C-10 Olefins**	**C-10 Paraffins**
24.63044165	0.254436341	0.107876438	0.022160604	1.439182838	3.59759437

2018					
2018 HAPS	**C-14 Alkane**	**C-15 Alkane**	**C-16 Alkane**	**C-18 Alkane**	**Decanol**
17.69047019	0.032897485	0.031301517	0.025822086	0.000349501	1.033672943

2024					
HAPS	**C-14 Alkane**	**C-15 Alkane**	**C-16 Alkane**	**C-18 Alkane**	**Decanol**
21.05165953	0.039148007	0.037248805	0.030728282	0.000415906	1.230070802

2029					
HAPS	**C-14 Alkane**	**C-15 Alkane**	**C-16 Alkane**	**C-18 Alkane**	**Decanol**
24.63044165	0.045803168	0.043581102	0.03595209	0.00048661	1.439182838

2018	
2018 HAPS	**Dodecanol**
17.69047019	0.516751284

2024	
HAPS	**Dodecanol**
21.05165953	0.614934028

2029	
HAPS	**Dodecanol**
24.63044165	0.719472813

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