



ADELANTO INDUSTRIAL PARK

AIR QUALITY ANALYSIS

Prepared By:

Haseeb Qureshi | hqureshi@urbanxroads.com

Michael Tirohn | mtirohn@urbanxroads.com

Reference Number
16098-03 AQ Report

Agency
City of Adelanto

Date
August 14, 2026



TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
ES.1 Summary of Findings.....	1
ES.2 Regulatory Requirements	1
ES.3 Project Mitigation Measures.....	2
1 INTRODUCTION	8
1.1 Site Location	8
1.2 Project Description.....	8
2 AIR QUALITY SETTING	11
2.1 Mojave Desert Air Basin.....	11
2.2 Regional Climate	11
2.3 Air Pollutants.....	12
2.4 Existing Air Quality	20
2.5 Regional Air Quality	23
2.6 Local Air Quality	23
2.7 Regulatory Background	24
3 PROJECT AIR QUALITY IMPACT	27
3.1 Introduction.....	27
3.2 Standards of Significance	27
3.3 Models Employed To Analyze Air Quality	27
3.4 Construction Emissions	28
3.5 Operational Emissions.....	34
3.6 CO "Hot Spot" Analysis.....	42
3.7 AQMP	43
3.8 Potential Impacts to Sensitive Receptors	44
3.9 Odors	47
3.10 Cumulative Impacts.....	47
4 REFERENCES	49
5 CERTIFICATION	51

APPENDICES

- APPENDIX 2.1: STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS
- APPENDIX 3.1: CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS
- APPENDIX 3.2: CALEEMOD OPERATIONAL EMISSIONS MODEL OUTPUTS
- APPENDIX 3.3: TRU EMISSION CALCULATIONS

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP	9
EXHIBIT 1-B: SITE PLAN	10
EXHIBIT 3-A: SENSITIVE RECEPTOR LOCATIONS	46

LIST OF TABLES

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS.....	1
TABLE 2-1: CRITERIA POLLUTANTS (1 OF 7)	12
TABLE 2-1: CRITERIA POLLUTANTS (2 OF 7)	13
TABLE 2-1: CRITERIA POLLUTANTS (3 OF 7)	14
TABLE 2-1: CRITERIA POLLUTANTS (4 OF 7)	15
TABLE 2-1: CRITERIA POLLUTANTS (5 OF 7)	16
TABLE 2-1: CRITERIA POLLUTANTS (6 OF 7)	17
TABLE 2-1: CRITERIA POLLUTANTS (7 OF 7)	18
TABLE 2-2: ADDITIONAL POLLUTANTS (1 OF 3)	18
TABLE 2-2: ADDITIONAL POLLUTANTS (2 OF 3)	19
TABLE 2-2: ADDITIONAL POLLUTANTS (3 OF 3)	20
TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (1 OF 2)	21
TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (2 OF 2)	22
TABLE 2-4: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE MDAB.....	23
TABLE 2-5: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2021-2023	24
TABLE 3-1: REGIONAL EMISSIONS SIGNIFICANCE THRESHOLDS.....	27
TABLE 3-3: CONSTRUCTION DURATION	29
TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS	29
TABLE 3-5: CONSTRUCTION TRIP ASSUMPTIONS	30
TABLE 3-6: CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION.....	31
TABLE 3-7: CONSTRUCTION EMISSIONS SUMMARY – WITH MITIGATION	33
TABLE 3-8: PASSENGER CAR FLEET MIX	34
TABLE 3-9: TRUCK FLEET MIX	35
TABLE 3-10: PEAK OPERATIONAL EMISSIONS – WITHOUT MITIGATION.....	38
TABLE 3-11: PEAK OPERATIONAL EMISSIONS – WITH MITIGATION	42

LIST OF ABBREVIATED TERMS

%	Percent
µg/m ³	Microgram per Cubic Meter
1992 CO Plan	1992 Federal Attainment Plan for Carbon Monoxide
2016-2040 RTP/SCS	2016-2040 Regional Transportation Plan/Sustainable Communities Strategy
AB 2595	California Clean Air Act
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APN	Assessor's Parcel Number
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
C ₂ Cl ₄	Perchloroethylene
C ₄ H ₆	1,3-butadiene
C ₆ H ₆	Benzene
C ₂ H ₃ Cl	Vinyl Chloride
C ₂ H ₄ O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEQA Guidelines	2019 CEQA Statute and Guidelines
CH ₂ O	Formaldehyde
City	City of Adelanto
CO	Carbon Monoxide
COH	Coefficient of Haze
COHb	Carboxyhemoglobin
Cr(VI)	Chromium
EIR	Environmental Impact Report
EMFAC	Emissions FACTor Model
EPA	Environmental Protection Agency
EV	Electric Vehicle
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating

H ₂ S	Hydrogen Sulfide
HEPA	High Efficiency Particulate Air
HI	Hazard Index
hp	Horsepower
HPLV	High-Pressure-Low-Volume
lbs	Pounds
lbs/day	Pounds Per Day
LST	Localized Significance Threshold
LST Methodology	Final Localized Significance Threshold Methodology
MDAB	Mojave Desert Air Basin
MDAQMD	Mojave Desert Air Quality Management District
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N ₂	Nitrogen
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
O ₂	Oxygen
O ₃	Ozone
O ₂ Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
ODC	Ozone Depleting Compounds
Pb	Lead
PM	Particulate Matter
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
ppm	Parts Per Million
Project	Adelanto Industrial Park
RECLAIM	Regional Clean Air Incentives Market
ROG	Reactive Organic Gases
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SIPs	State Implementation Plans
SO ₂	Sulfur Dioxide
SO ₄	Sulfates
SO _x	Sulfur Oxides



SRA	Source Receptor Area
TAC	Toxic Air Contaminant
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
TRU	Transport Refrigeration Units
VICS	Voluntary Interindustry Commerce Solutions
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
WAIRE	Warehouse Actions and Investments to Reduce Emissions

EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this Adelanto Industrial Park Air Quality Impact Analysis (AQIA) are summarized below based on the significance criteria in Section 4 of this report consistent with Appendix G of the CEQA Guidelines (CEQA Guidelines) (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MM) described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	<i>Less Than Significant</i>	<i>n/a</i>
Regional Operational Emissions	3.5	<i>Potentially Significant</i>	<i>Significant and Unavoidable</i>
CO "Hot Spot" Analysis	3.6	<i>Less Than Significant</i>	<i>n/a</i>
Air Quality Management Plan	3.7	<i>Potentially Significant</i>	<i>Significant and Unavoidable</i>
Sensitive Receptors	3.8	<i>Less Than Significant</i>	<i>n/a</i>
Odors	3.9	<i>Less Than Significant</i>	<i>n/a</i>
Cumulative Impacts	3.10	<i>Potentially Significant</i>	<i>Significant and Unavoidable</i>

ES.2 REGULATORY REQUIREMENTS

The Mojave Desert Air Quality Management District (MDAQMD) has implemented various rules and regulations to control air pollution sources within the Mojave Desert Air Basin (MDAB) and to support air quality standards for land use development projects. The following rules that are currently applicable during construction activity for this Project are described below:

MDAQMD Rule 403

The purpose of this rule is to reduce the amount of particulate matter less than 10 microns (PM₁₀) entrained in the ambient air from anthropogenic fugitive dust sources within the MDAQMD by requiring actions to prevent, reduce, or mitigate fugitive dust. The following measures shall be incorporated into Project plans and specifications as implementation of Rule 403 (2).

- Use periodic watering for short-term stabilization of Disturbed Surface Area to minimize visible fugitive dust emissions. For purposes of this Rule, use of a water truck to maintain moist disturbed surfaces and actively spread water during visible dusting episodes shall be considered sufficient to maintain compliance.
- Take actions sufficient to prevent project-related trackout onto paved surfaces.

MDAQMD Rule 1113

The purpose of this rule is to limit the quantity of volatile organic compounds (VOC) in architectural coatings. The following measures shall be incorporated into Project plans and specifications as implementation of MDAQMD Rule 1113 (3).

- Only “Low-VOC” paints consistent with MDAQMD Rule 1113 shall be used.

ES.3 PROJECT MITIGATION MEASURES

Applicable Mitigation Measures from the 2009 DEIR

The following mitigation measures (MM) AQ-1 through AQ-4 were taken directly from the *Adelanto Gateway Logistics Center Draft Environmental Impact Report SCH No: 2008071129* (4).

MM AQ-1

Prior to issuance of any Grading Permit, the City Engineer and the Chief Building Official shall confirm that the Grading Plan, Building Plans and specifications stipulate that, in compliance with MDAQMD Rule 403, excessive fugitive dust emissions shall be controlled by regular watering or other dust prevention measures, as specified in the MDAQMD’s *Rule Book*. In addition, MDAQMD Rule 402 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off-site. Implementation of the following measures would reduce short-term fugitive dust impacts on nearby sensitive receptors:

- On-site vehicle speed shall be limited to 15 miles per hour;
- All on-site construction roads with vehicle traffic shall be watered periodically;
- Streets adjacent to the project’s reach shall be swept as needed to remove silt that may have accumulated from construction activities so as to prevent excessive amounts of dust;
- During grading operations, all material excavated or graded shall be sufficiently watered to prevent excessive amounts of dust. Watering shall occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day;
- All clearing, grading, earth-moving, or excavation activities shall cease during periods of high winds (i.e., greater than 35 miles per hour averaged over one hour) so as to prevent excessive amounts of dust;
- All material transported on-site or off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust;
- The area disturbed by clearing, grading, earth-moving, or excavation operations shall be minimized so as to prevent excessive amounts of dust; and
- These control techniques shall be indicated on project grading plans.
- Compliance with this measure shall be subject to periodic site inspections by the City of Adelanto.

MM AQ-2

All trucks that are to haul excavated or graded material on-site shall comply with State Vehicle Code Section 23114 (Spilling Loads on Highways), with special attention to Sections 23114(b)(F), (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads. Prior to

the issuance of grading permits, the Applicant shall demonstrate to the City of Adelanto City Engineer how the project operations subject to that specification during hauling activities shall comply with the provisions set forth in Sections 23114(b)(F), (e)(4).

MM AQ-3

Prior to issuance of any Grading Permit, the City Engineer/Public Works Director shall confirm that the Grading Plan, Building Plans and specifications stipulate that, in compliance with MDAQMD Rule 403, ozone (O₃) precursor emissions from construction equipment vehicles shall be controlled by maintaining equipment engines in good condition and in proper tune per manufacturer's specifications, to the satisfaction of the City Engineer/Public Works Director. Maintenance records shall be provided to the City. The City Inspector shall be responsible for ensuring that contractors comply with this measure during construction.

MM AQ-4

The following measures shall be implemented to reduce reactive organic gases (ROG) emissions resulting from application of architectural coatings:

- Contractors shall use high-pressure-low-volume (HPLV) paint applicators with a minimum transfer efficiency of at least 50 percent (%);
- Use required coatings and solvents with a VOC content lower than required under Rule 1113;
- When possible, construct/build with materials that do not require painting; and
- Use pre-painted construction materials.

Additional Construction Mitigation Measures

The Project construction-source emissions would exceed MDAQMD regional thresholds for nitrogen oxides (NO_x) emissions. The following mitigation measure is designed to reduce Project construction-source NO_x emissions. After application of MM AQ-1, Project construction-source emissions impacts would be less than significant.

MM AQ-5

Prior to the commencement of any construction activities, the applicant or its designee shall provide evidence to the City of Adelanto (City) that (1) for off-road equipment with engines rated at 50 horsepower or greater, no construction equipment shall be used that is rated less than Tier 4 Final per CARB/US EPA specifications. An exemption from this requirement may be granted if (1) the applicant documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the applicant's construction contractor shall: (1) demonstrate that at least 3 construction fleet owners/operators within 50 miles were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within the region during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method and documentation provided to the City to confirm that necessary project-generated emissions reductions are achieved.

Additional Operational Mitigation Measures

Unmitigated Project operational-source VOC, NO_x, carbon monoxide (CO), and PM₁₀ emissions would exceed applicable MDAQMD regional significance thresholds. The predominance of the Project's operational-source emissions is generated by passenger cars and trucks accessing the Project. Neither the Project Applicant nor the City have regulatory authority to control tailpipe emissions, and no feasible MMs beyond the measures identified herein exist that would reduce Project operational-source VOC, NO_x, CO, and PM₁₀ emissions to levels that are less-than-significant. Project operational-source VOC, NO_x, CO, and PM₁₀ emissions impacts are therefore considered significant and unavoidable.

The following measures (MM AQ-6 through MM AQ-22) are designed to reduce Project operational-source VOCs, NO_x, CO, and PM₁₀ emissions. There is no way to meaningfully quantify these reductions in CalEEMod, and therefore no numeric emissions credit has been taken in the analysis. As such, even with application of MM AQ-6 through MM AQ-22, Project operational-source emissions impacts are considered significant and unavoidable.

Notwithstanding this limitation, it is reasonable to expect that the measures will reduce emissions to some extent. Specifically, MM AQ-12, which requires the use of electric cargo handling equipment, would eliminate emissions from that on-site equipment entirely, since electric equipment does not produce emissions.

MM AQ-6

The buildings' electrical room shall be sufficiently sized to hold additional panels that may be needed to supply power for the future installation of electric vehicle (EV) truck charging stations on the site. Conduit should be installed from the electrical room to tractor trailer parking spaces in a logical location(s) on the site determined by the Project Applicant during construction document plan check, for the purpose of accommodating the future installation of EV truck charging stations at such time this technology becomes commercially available and the buildings are being served by trucks with electric-powered engines.

MM AQ-7

The buildings' electrical room shall be sufficiently sized to hold additional panels that may be needed in the future to supply power to trailers with transport refrigeration units (TRUs) during the loading/unloading of refrigerated goods. Conduit should be installed from the electrical room to the loading docks determined by the Project Applicant during construction document plan check as the logical location(s) to receive trailers with TRUs.

MM AQ-8

Upon occupancy and annually thereafter, the facility operator shall provide information to all tenants, with instructions that the information shall be provided to employees and truck drivers as appropriate, regarding:

- Building energy efficiency, solid waste reduction, recycling, and water conservation.
- Vehicle GHG emissions, EV charging availability, and alternate transportation opportunities for commuting.

- Participation in the Voluntary Interindustry Commerce Solutions (VICS) “Empty Miles” program to improve goods trucking efficiencies.
- Health effects of diesel particulates, State regulations limiting truck idling time, and the benefits of minimized idling.
- The importance of minimizing traffic, noise, and air pollutant impacts to any residences in the Project vicinity.

MM AQ-9

Prior to issuance of a building permit, the project proponent shall provide the City with an onsite signage program that clearly identifies the required onsite circulation system. This shall be accomplished through posted signs and painting on driveways and internal roadways.

MM AQ-10

Prior to issuance of an occupancy permit, the City shall confirm that signs clearly identifying approved truck routes have been installed along the truck routes to and from the Project site.

MM AQ-11

Prior to issuance of an occupancy permit, the Project proponent, shall install a sign on the property with telephone, email, and regular mail contact information for a designated representative of the tenant who would receive complaints about excessive noise, dust, fumes, or odors. The sign shall also identify contact data for the City for perceived Code violations. The tenant’s representative shall keep records of any complaints received and actions taken to communicate with the complainant and resolve the complaint. The tenant’s representative shall endeavor to resolve complaints within 24 hours.

MM AQ-12

All on-site outdoor cargo-handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) shall be electric or non-diesel fueled. All on-site indoor forklifts shall be powered by electricity.

MM AQ-15

Prior to tenant occupancy, the Project Applicant or successor in interest shall provide documentation to the City demonstrating that occupants/tenants of the Project site have been provided informational documentation regarding:

- Information regarding energy efficiency, energy-efficient lighting and lighting control systems, energy management, and existing energy incentive programs
- Information regarding and a recommendation to use electric or alternatively fueled sweepers with high efficiency particulate air (HEPA) filters.

MM AQ-16

The Project applicant or designee shall provide EV charging infrastructure that meets or exceeds the current California Green Building Standards Code Tier 2 standards to encourage use of EVs.

MM AQ-17

The Project applicant shall implement the following landscape maintenance equipment reduction measures:

- Prior to the issuance of building permits, the Project applicant or its designee shall provide evidence to the City of Adelanto that the design plans include electrical outlets on the exterior of the structure to facilitate use of electrical lawn and garden equipment.
- The applicant (or its designee) or Project's future Homeowners' Association shall educate future residents about the MDAQMD Electric Lawn Mower Rebate Program and the Commercial Electric Lawn and Garden Equipment Exchange Program. When conventional gasoline-powered yard equipment (e.g., lawn mowers, leaf blowers and vacuums, shredders, trimmers, and chain saw) are exchanged for electric and rechargeable battery-powered yard equipment, direct greenhouse gas (GHG) emissions from fossil-fuel combustion are displaced by indirect GHG emissions associated with the generation of electricity used to power the equipment.

MM AQ-18

Prior to tenant occupancy, the Project Applicant or successor(s) in interest shall provide documentation to the City demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment. In addition, the tenants shall be required to enroll in the United States (U.S.) EPA's SmartWay program and be required to utilize carriers that are SmartWay carriers.

MM AQ-19

All facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site shall meet or exceed 2010 model year emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.

MM AQ-20

Prior to the occupancy of any on site development, the applicant or its designee shall provide evidence to the City of Adelanto that the applicant/phase developer has developed a Green Cleaning Product and Paint education program to be made available at rental and purchasing offices and/or on websites. The educational program shall include a flyer (hardcopy and/or digital) that includes, at a minimum, an explanation of what VOCs are, how VOCs affect persons, where to find low-VOC alternatives for cleaning supplies and paint, and additional resources for learning more.

MM AQ-21

Prior to the issuance of building permits, the applicant or its designee shall provide evidence to the City of Adelanto that for applicant (or its designee) and Homeowners' Association operated spaces that provisions are in place to ensure only zero- or low-VOC cleaning supplies and super compliant-VOC paints (less than 10 grams per liter VOC) are used during Project operation.

MM AQ-22

Electric plug-ins shall be installed at the loading docks at cold storage facilities to allow for transport refrigeration unit standby electric plug-in.

1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Adelanto Industrial Park (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the MDAQMD.

1.1 SITE LOCATION

The proposed Project is situated within the City of Adelanto in San Bernardino County. The Project site occupies a location in the eastern portion of Adelanto, east of U.S. Highway 395. It is bordered to the north by Air Expressway Boulevard, to the south by Rancho Road, Yucca Road, and Joshua Avenue, and to the west by Emeral Road, Mesa Linda Road, and Adelanto Road, as shown in Exhibit 1-A.

Surrounding land uses include predominantly vacant land within the Southern California Logistics Airport to the north, located in the City of Victorville. To the south and west, within the City of Adelanto, the area is characterized by a mix of vacant parcels and existing manufacturing and industrial uses. To the east, the site is bordered by the Victorville Federal Correctional Complex.

1.2 PROJECT DESCRIPTION

The Project is a 451.00-acre parcel located near the southeast corner of Air Expressway and Adelanto Road, consisting of seven warehouse buildings. The buildings range in size from about 1,139,727 gross square feet (SF) of floor area to about 1,505,304 gross SF totaling nearly 8,256,274 square feet of warehousing. The Project is set to be completed in a single phase with an opening year of 2030. Each of the buildings are made up of 80% High-Cube Transload and Short-Term Storage Warehouse and 20% High-Cube Cold Storage Warehouse.

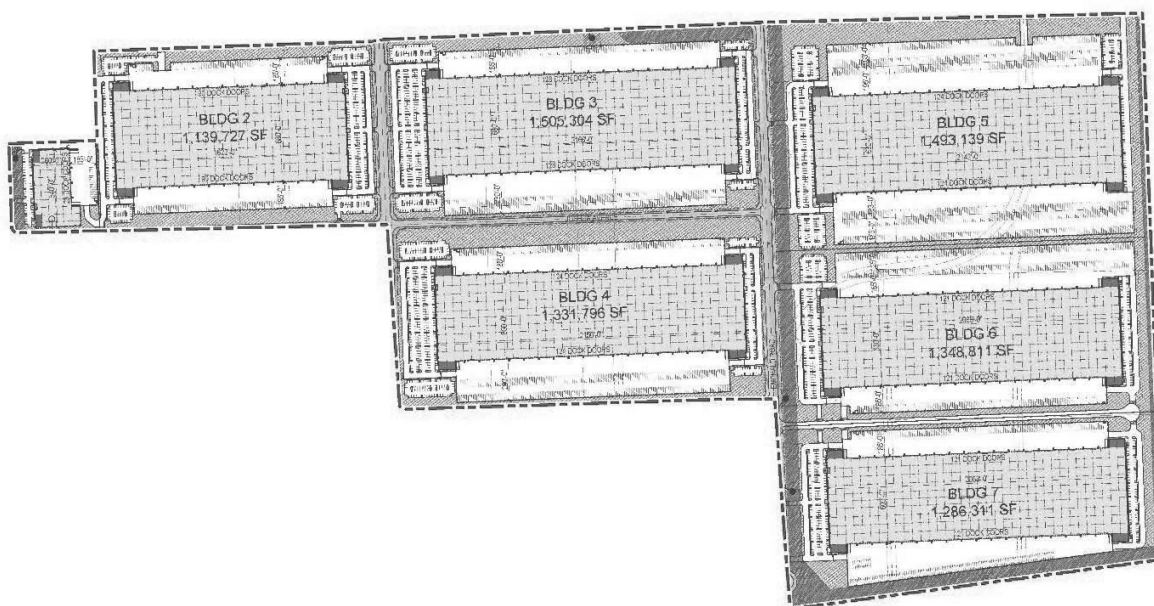
EXHIBIT 1-A: LOCATION MAP



LEGEND:

Site Boundary

EXHIBIT 1-B: SITE PLAN



2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 MOJAVE DESERT AIR BASIN

The Project site is located in the portion of the City of Adelanto in San Bernardino County that is part of the MDAB and is under the jurisdiction of the MDAQMD. The air quality assessment for the Project evaluates emissions impacts associated with short-term construction and long-term operation of the Project. A number of air quality modeling tools are available to assess the air quality impacts of projects. In addition, certain air districts, such as the MDAQMD, have created guidelines and requirements to conduct air quality analyses. The MDAQMD's current guidelines, included in its *California Environmental Quality Act and Federal Conformity Guidelines* (August 2016), were adhered to in the assessment of air quality impacts for the Project.

2.2 REGIONAL CLIMATE

Air quality in the Project area is not only affected by various emissions sources (mobile, industry, etc.) but is also affected by atmospheric conditions such as wind speed, wind direction, temperature, and rainfall.

The MDAB is an assemblage of mountain ranges interspersed with long broad valleys that often contain dry lakes. Many of the lower mountains within the vast terrain rise from 1,000 to 4,000 feet above the valley floor. Prevailing winds in the MDAB are out of the west and southwest. These prevailing winds are due to the proximity of the MDAB to coastal and central regions and the blocking nature of the Sierra Nevada Mountains to the north; air masses pushed onshore in Southern California by differential heating are channeled through the MDAB. The MDAB is separated from the Southern California coastal and Central California valley regions by mountains (highest elevation is approximately 10,000 feet), whose passes form the main channels for these air masses. The Mojave Desert is bordered on the southwest by the San Bernardino Mountains, separated from the San Gabriel Mountains by the Cajon Pass (4,200 feet). A lesser pass lies between the San Bernardino Mountains and the Little San Bernardino Mountains in the Morongo Valley. The Palo Verde Valley portion of the Mojave Desert lies in the low desert, at the eastern end of a series of valleys (notably the Coachella Valley), whose primary channel is the San Gorgonio Pass (2,300 feet) between the San Bernardino and San Jacinto Mountains.

During the summer, the MDAB is generally influenced by a Pacific subtropical high cell that sits off the coast, inhibiting cloud formation and encouraging daytime solar heating. The MDAB is rarely influenced by cold air masses moving south from Canada and Alaska, as these frontal systems are weak and diffuse by the time they reach the desert. Most desert moisture arrives from infrequent warm, moist, and unstable air masses from the south. The MDAB averages between three and seven inches of precipitation per year (from 16 to 30 days with at least 0.01 inch of precipitation). The MDAB is classified as a dry-hot desert climate, with portions classified as dry-very hot desert, to indicate that at least three months have maximum average temperatures over 100.4° F.

Snow is common above 5,000 feet in elevation, resulting in moderate snowpack and limited spring runoff. Below 5,000 feet, any precipitation normally occurs as rainfall. Pacific storm fronts normally move into the area from the west, driven by prevailing winds from the west and southwest. During

late summer, moist high-pressure systems from the Pacific collide with rising heated air from desert areas, resulting in brief, high-intensity thunderstorms that can cause high winds and localized flash flooding.

2.3 AIR POLLUTANTS

2.3.1 Criteria Pollutants

Air quality regulations were first promulgated with the Federal Clean Air Act (CAA) of 1970. Air quality is defined by ambient air concentrations of seven “criteria air pollutants,” which are a group of common air pollutants identified by the U.S. EPA to be of concern with respect to the health and welfare of the general public. Federal and State governments regulate criteria air pollutants by using ambient standards based on criteria regarding the health and/or environmental effects of each pollutant. The seven “criteria” air pollutants defined by the U.S. EPA are: (1) CO; (2) sulfur dioxide (SO₂); (3) nitrogen dioxide (NO₂); (4) O₃; (5) PM₁₀, (6), fine particulate matter less than 2.5 microns (PM_{2.5}), and (7) lead (Pb). Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (5).

TABLE 2-1: CRITERIA POLLUTANTS (1 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike O ₃ , motor vehicles operating at slow speeds are the primary source of CO in the MDAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O ₂) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O ₂ transport and competing with O ₂ to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O ₂ supply can be adversely affected by exposure to CO.

TABLE 2-1: CRITERIA POLLUTANTS (2 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
CO (Continued)			Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O ₂ deficiency) as seen at high altitudes.
SO ₂	SO ₂ is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO ₂ oxidizes in the atmosphere, it forms SO ₄ . Collectively, these pollutants are referred to as sulfur oxides (SO _x).	Coal or oil burning power plants and industries, refineries, diesel engines	A few minutes of exposure to low levels of SO₂ can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂. Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels.

TABLE 2-1: CRITERIA POLLUTANTS (3 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
SO ₂ (Continued)			In these studies, efforts to separate the effects of SO ₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.
NO ₂	NO₂ is a key component of NO_x, which also includes nitric oxide (NO) and nitrous oxide (N₂O). NO_x compounds are primarily produced during combustion processes when nitrogen (N₂) reacts with oxygen (O₂). Both NO and NO₂ serve as precursors in the formation of O₃ and PM_{2.5}, making their monitoring crucial for air quality assessments. NO₂, being the more abundant form of NO_x in the atmosphere, has a relatively short lifespan of one to seven days, which enhances its significance as a major air pollutant. As a criteria air pollutant, NO₂ poses various health risks, including respiratory issues and increased vulnerability to infections. It also absorbs blue light, imparting a brownish-red hue to the atmosphere and contributing to reduced visibility and smog formation. Given that NO emissions largely convert to NO₂, the examination of NO_x emissions becomes essential when assessing potential air quality impacts.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO₂ considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions.

TABLE 2-1: CRITERIA POLLUTANTS (4 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
NO ₂ (Continued)	The concentrations of NO ₂ are closely related to traffic density, often resulting in higher exposure levels for commuters in heavy traffic compared to what regional monitoring stations may indicate.		The severity of lung tissue damage associated with high levels of O ₃ exposure increases when animals are exposed to a combination of O ₃ and NO ₂ .
O ₃	O ₃ is a highly reactive and unstable gas that is formed when VOCs and NO _x , both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O ₃ concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	Formed when ROGs and NO _x react in the presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.	Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible subgroups for O ₃ effects. Short-term exposure (lasting for a few hours) to O ₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O ₃ levels are associated with increased school absences. In recent years, a correlation between elevated ambient O ₃ levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and reside in communities with high O ₃ levels.

TABLE 2-1: CRITERIA POLLUTANTS (5 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
O ₃ (Continued)			O ₃ exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O ₃ may be more toxic than exposure to O ₃ alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
Particulate Matter	PM₁₀: A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM₁₀ is considered a criteria air pollutant. PM_{2.5}: A similar air pollutant to PM₁₀ consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles).	Sources of PM₁₀ include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO_x, SO_x, organics). Incomplete combustion of any fuel. PM_{2.5} comes from fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_x, SO_x, organics).	A consistent correlation between elevated ambient fine particulate matter (PM ₁₀ and PM _{2.5}) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the U.S. and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer.

TABLE 2-1: CRITERIA POLLUTANTS (6 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
Particulate Matter (Continued)	These particles are formed in the atmosphere from primary gaseous emissions that include SO ₄ formed from SO ₂ release from power plants and industrial facilities and nitrates that are formed from NO _x release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM _{2.5} is a criteria air pollutant.		Daily fluctuations in PM _{2.5} concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter. The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM ₁₀ and PM _{2.5} .
Pb	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to generate a quantifiable amount of Pb emissions.	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.

TABLE 2-1: CRITERIA POLLUTANTS (7 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
Pb (Continued)			Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.

2.3.2 Additional Pollutants

The MDAQMD's primary focus is to achieve the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) for criteria pollutants. However, it also has a broader mandate to control emissions of air contaminants and safeguard public health. As a result, MDAQMD regulates additional pollutants beyond criteria pollutants, including reactive organic gases (ROGs), VOCs, and odors. Additional pollutants, their typical sources, and health effects are identified below (5).

TABLE 2-2: ADDITIONAL POLLUTANTS (1 OF 3)

Pollutant	Description	Sources	Health Effects
VOC	VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air.	Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic	Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer.

TABLE 2-2: ADDITIONAL POLLUTANTS (2 OF 3)

Pollutant	Description	Sources	Health Effects
VOC (Continued)	VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O ₃ to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O ₃ , which is a criteria pollutant. The terms VOC and ROG (see below) interchangeably.	solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.	Not all VOCs have all these health effects, though many have several.
ROG	Similar to VOC, ROGs are also precursors in forming O ₃ and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO _x react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O ₃ , which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.

TABLE 2-2: ADDITIONAL POLLUTANTS (3 OF 3)

Pollutant	Description	Sources	Health Effects
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (6).	Odors can come from many sources including animals, human activities, industry, natures, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.4 EXISTING AIR QUALITY

Existing air quality is measured at established MDAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-3 (7).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on July 16, 2024, and are presented in Table 2-3. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO (except 8-hour Lake Tahoe), SO₂ (1 and 24 hour), NO₂, PM₁₀, and PM_{2.5} are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the Air District meets the standards set by the U.S. EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the U.S. EPA will designate the area as a maintenance area (8).

TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	9.0 µg/m ³	15.0 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		53 ppb (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (7/16/24)

TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equalled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On February 7, 2024, the national annual PM2.5 primary standard was lowered from $12.0 \mu\text{g}/\text{m}^3$ to $9.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15.0 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (7/16/24)

2.5 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for seven of the most common air pollutants: CO, Pb, O₃, PM₁₀, PM_{2.5}, NO₂, and SO₂ which are known as criteria pollutants. The MDAQMD monitors levels of various criteria pollutants at 35 permanent monitoring stations and 2 single-pollutant source Pb air monitoring sites throughout the air district (9). On January 25, 2024, CARB adopted the proposed 2023 amendments to the state and national area designations. See Table 2-4 for attainment designations for the MDAB (10). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the MDAB.

TABLE 2-4: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE MDAB

Criteria Pollutant	State Designation	Federal Designation
O ₃ - 1-hour standard	Nonattainment	--
O ₃ - 8-hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Nonattainment
PM _{2.5}	Attainment	Unclassifiable/Attainment
CO	Attainment	Unclassifiable/Attainment
NO ₂	Attainment	Unclassifiable/Attainment
SO ₂	Attainment	Unclassifiable/Attainment
PB ¹	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the MDAB and SDAB

"--" = The national 1-hour O₃ standard was revoked effective June 15, 2005.

2.6 LOCAL AIR QUALITY

Relative to the Project site, the nearest long-term air quality monitoring site for O₃, CO (for the 2021 year), NO₂, PM₁₀, and PM_{2.5} was obtained from the MDAQMD Victorville-Park Avenue, located approximately 7.44 miles southeast of the project site in Victorville. It should be noted that the data for CO was not available at MDAQMD Victorville-Park Avenue nor the nearest alternative monitoring stations.

The most recent three (3) years of data available is shown on Table 2-5 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site. Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} was obtained using the CARB iADAM: Air Quality and Data Statistics and the Air Quality and Meteorological Information System (AQMIS) (11) (12). Data for SO₂ has been omitted as attainment is regularly met and few monitoring stations measure SO₂ concentrations. It should be noted that the table below is provided for informational purposes.

TABLE 2-5: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2021-2023

Pollutant	Standard	Year		
		2021	2022	2023
O ₃				
Maximum Federal 1-Hour Concentration (ppm)		0.112	0.100	0.097
Maximum Federal 8-Hour Concentration (ppm)		0.098	0.090	0.088
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	8	3	2
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	35	49	32
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	1.515	N/A	N/A
Maximum Federal 8-Hour Concentration	> 20 ppm	0.4	0.5	0.8
NO ₂				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.057	0.054	0.060
Maximum State 1-Hour Concentration	> 0.180 ppm	0.056	0.053	0.060
Annual Federal Standard Design Value		13	13	11
Annual State Standard Design Value		12	12	12
Number of Days Exceeding Federal 1-Hour Standard	> 0.100 ppm	0	0	0
Number of Days Exceeding State 1-Hour Standard	> 0.18 ppm	0	0	0
PM ₁₀				
Maximum Federal 24-Hour Concentration (µg/m³)	> 150 µg/m³	591.6	372.1	160.4
Annual Federal Arithmetic Mean (µg/m³)		33.9	33.6	28.4
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m³	1	2	1
PM _{2.5}				
Maximum Federal 24-Hour Concentration (µg/m³)	> 35 µg/m³	87.1	24.6	25.6
Maximum State 24-Hour Concentration (µg/m³)		87.1	24.6	25.6
Annual Federal Arithmetic Mean (µg/m³)	>12 µg/m³	10.2	8.9	7.9
Annual State Arithmetic Mean (µg/m³)	>12 µg/m³	10.3	9.0	7.9
Number of Samples Exceeding Federal 24-Hour Standard	> 35 µg/m³	1	0	0

Source: CARB iADAM: Air Quality Data Statistics and AQMIS

ppm = Parts Per Million

µg/m³ – microgram per cubic meter

N/A = data not available

2.7 REGULATORY BACKGROUND

2.7.1 Federal Regulations

The EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, and Pb (13). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB. The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air

quality standards, the NAAQS, and specifies future dates for achieving compliance (14). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (15) (16). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O_3 , NO_2 , SO_2 , PM_{10} , CO, $PM_{2.5}$, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O_3 and to adopt a NAAQS for $PM_{2.5}$. Table 2-4 (previously presented) provides the NAAQS within the MDAB. Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_x . NO_x is a collective term that includes all forms of NO_x which are emitted as byproducts of the combustion process.

2.7.2 California Regulations

CARB

CARB, which became part of CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO_4 , visibility, hydrogen sulfide (H_2S), and vinyl chloride (C_2H_3Cl). However, at this time, H_2S and C_2H_3Cl are not measured at any monitoring stations in the MDAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (17) (13). Local air quality management districts, such as the MDAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;

- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROG_s, NO_x, CO and PM₁₀. However, air basins may use an alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

Title 24 Energy Efficiency Standards and California Green Building Standards

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

The 2025 California Title 24 Energy Standards became effective on January 1, 2026. As the Project is expected to be completed in 2030, it will need to comply with the Title 24 Energy Standards in effect at that time, which may include further updates beyond the 2025 version.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2025 California Green Building Code Standards that went into effect on January 1, 2026. The Project would be required to comply with the applicable standards in place at the time plan check submittals are made.

2.7.3 Regional Regulations

Air Quality Management Plan

Currently, the NAAQS and CAAQS are exceeded in most parts of the MDAB. The NAAQS, the Project region within the MDAB is in nonattainment for O₃ (8-hour) and PM₁₀. For the CAAQS, the Project region within the MDAB is in nonattainment for O₃ (1-hour and 8-hour) and PM₁₀. In response, the MDAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards (18). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.7.

3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard or contribute to an existing or projected air quality violation. Additionally, the Project has been evaluated to determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the MDAB is non-attainment under an applicable federal or state ambient air quality standard. The significance of these potential impacts is described in the following section.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The MDAQMD has developed regional significance thresholds for regulated pollutants, shown below in Table 3-1. The MDAQMD's *CEQA and Federal Conformity Guidelines* indicate that any projects in the MDAB with daily regional emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact (19).

TABLE 3-1: REGIONAL EMISSIONS SIGNIFICANCE THRESHOLDS

Pollutant	Threshold
CO	548 lbs/day
NO _x	137 lbs/day
VOC	137 lbs/day
SO _x	137 lbs/day
PM ₁₀	82 lbs/day
PM _{2.5}	65 lbs/day

lbs/day = Pounds Per Day

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CalEEMod

Land uses such as the Project affect air quality through construction-source and operational-source emissions. The California Air Pollution Control Officers Association (CAPCOA) in conjunction with

other California air districts, including MDAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (20). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 and 3.2.

3.4 CONSTRUCTION EMISSIONS

3.4.1 Construction Activities

Construction activities associated with the Project would result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Construction-related emissions are expected from the following construction activities:

- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

Grading Activities

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions.” Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. Based on consultation with the project team, it is anticipated that approximately 1,800,000 cubic yards of soil import will be required.

Off-Site Utility and Infrastructure Improvements

In addition, to support the Project development, there may be paving for off-site improvements associated with roadway construction and utility installation for the Project. It is expected that the off-site construction activities would not take place at one location for the entire duration of construction. Impacts associated with these activities are not expected to exceed the emissions identified for Project-related construction activities since the off-site construction areas would have physical constraints on the amount of daily activity that could occur. The physical constraints would limit the amount of construction equipment that could be used, and any off-site and utility infrastructure construction would not use equipment totals that would exceed the equipment totals in Table 3-5. As such, no impacts beyond what has already been identified in this report are expected to occur.

3.4.2 Construction Duration

The Project will be completed in one phase, with construction beginning in October 2027 and being completed in December 2030. The construction schedule utilized in the analysis, shown in Table 3-3, represents a “conservative” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.¹ The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (21).

3.4.3 Construction Equipment

Site specific construction fleet may vary due to specific project needs at the time of construction. The associated construction equipment was generally based on CalEEMod defaults. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 is assumed to operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed.

TABLE 3-3: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Site Preparation	10/1/2027	12/2/2027	45
Grading & Site Infrastructure	12/3/2027	12/21/2028	275
Building Construction	12/22/2028	12/31/2030	528
Paving & Site Work	2/21/2029	12/31/2030	485
Architectural Coating & Finishes	2/21/2029	12/31/2030	485

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment	Quantity	Hours
Site Preparation	Rubber Tired Dozers	5	8
	Crawler Tractors	2	8
Grading & Site Infrastructure	Graders	2	8
	Excavators	4	8
	Scrapers	8	8
	Rubber Tired Dozers	2	8
	Crawler Tractors	2	8
	Forklifts	5	8
Building Construction	Generator Sets	5	8
	Cranes	1	8
	Welders	4	8

¹ As shown in the CalEEMod User’s Guide Version 2022, Appendix G “Table G-11. Statewide Average Annual Offroad Equipment Emission Factors” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

Construction Activity	Equipment	Quantity	Hours
Paving & Site Work	Tractors/Loaders/Backhoes	4	8
	Pavers	2	8
	Paving Equipment	3	8
	Tractors/Loaders/Backhoes	4	8
	Skip Loaders	4	8
	Trenchers	4	8
	Rollers	3	8
Architectural Coating	Aerial Lifts	5	8
	Air Compressors	3	8

3.4.4 On-Road Trips

Construction generates on-road vehicle emissions from vehicle usage for workers, vendors, and haul trucks commuting to and from the site. The number of worker, vendor, and hauling trips per phase is presented below in Table 3-5. Worker and hauling trips are based on CalEEMod defaults. It should be noted that for vendor trips specifically, CalEEMod only assigns vendor trips to the Building Construction phase. In practice, vendor trips are expected to occur throughout various phases of construction, not just during Building Construction. To more accurately reflect this, the vendor trips initially allocated to the Building Construction phase were redistributed across other non-overlapping construction activities. This reallocation was done proportionally, based on the duration of each phase, ensuring that vendor trips are appropriately spread across all applicable construction phases that do not occur simultaneously.

TABLE 3-5: CONSTRUCTION TRIP ASSUMPTIONS

Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Haul Trips Per Day
Site Preparation	18	107	0
Grading & Site Infrastructure	45	0	819
Building Construction	3,468	1,247	0
Paving & Site Work	50	0	0
Architectural Coating & Finishes	694	0	0

3.4.5 Construction Emissions Summary

Impacts Without Mitigation

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions without mitigation for both summer and winter periods are summarized in Table 3-6. Detailed unmitigated construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction will exceed criteria pollutant thresholds established by the MDAQMD for NO_x emissions.

TABLE 3-6: CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Summer						
2026	9.90	128.97	89.30	0.57	34.80	11.14
2027	110.26	94.47	339.86	0.41	67.50	17.54
2028	107.60	90.90	320.02	0.41	67.42	17.46
Winter						
2025	10.01	137.86	89.43	0.57	35.00	10.96
2026	16.74	132.30	194.33	0.57	57.15	14.68
2027	106.55	96.65	254.58	0.41	67.50	17.54
2028	105.75	94.63	241.23	0.41	67.42	17.46
Maximum Daily Emissions	110.26	137.86	339.86	0.57	67.50	17.54
MDAQMD Regional Thresholds	137	137	548	137	82	65
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendix 3.1.

Applicable Mitigation Measures from 2009 DEIR

MM AQ-1 through AQ-4 were taken directly from the *Adelanto Gateway Logistics Center Draft Environmental Impact Report SCH No: 2008071129* (4).

MM AQ-1

Prior to issuance of any Grading Permit, the City Engineer and the Chief Building Official shall confirm that the Grading Plan, Building Plans and specifications stipulate that, in compliance with MDAQMD Rule 403, excessive fugitive dust emissions shall be controlled by regular watering or other dust prevention measures, as specified in the MDAQMD's *Rule Book*. In addition, MDAQMD Rule 402 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off-site. Implementation of the following measures would reduce short-term fugitive dust impacts on nearby sensitive receptors:

- On-site vehicle speed shall be limited to 15 miles per hour;
- All on-site construction roads with vehicle traffic shall be watered periodically;
- Streets adjacent to the project's reach shall be swept as needed to remove silt that may have accumulated from construction activities so as to prevent excessive amounts of dust;
- During grading operations, all material excavated or graded shall be sufficiently watered to prevent excessive amounts of dust. Watering shall occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day;
- All clearing, grading, earth-moving, or excavation activities shall cease during periods of high winds (i.e., greater than 35 miles per hour averaged over one hour) so as to prevent excessive amounts of dust;

- All material transported on-site or off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust;
- The area disturbed by clearing, grading, earth-moving, or excavation operations shall be minimized so as to prevent excessive amounts of dust; and
- These control techniques shall be indicated on project grading plans.
- Compliance with this measure shall be subject to periodic site inspections by the City of Adelanto.

MM AQ-2

All trucks that are to haul excavated or graded material on-site shall comply with State Vehicle Code Section 23114 (Spilling Loads on Highways), with special attention to Sections 23114(b)(F), (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads. Prior to the issuance of grading permits, the Applicant shall demonstrate to the City of Adelanto City Engineer how the project operations subject to that specification during hauling activities shall comply with the provisions set forth in Sections 23114(b)(F), (e)(4).

MM AQ-3

Prior to issuance of any Grading Permit, the City Engineer/Public Works Director shall confirm that the Grading Plan, Building Plans and specifications stipulate that, in compliance with MDAQMD Rule 403, O₃ precursor emissions from construction equipment vehicles shall be controlled by maintaining equipment engines in good condition and in proper tune per manufacturer's specifications, to the satisfaction of the City Engineer/Public Works Director. Maintenance records shall be provided to the City. The City Inspector shall be responsible for ensuring that contractors comply with this measure during construction.

MM AQ-4

The following measures shall be implemented to reduce ROG emissions resulting from application of architectural coatings:

- Contractors shall use HPLV paint applicators with a minimum transfer efficiency of at least 50%;
- Use required coatings and solvents with a VOC content lower than required under Rule 1113;
- When possible, construct/build with materials that do not require painting; and
- Use pre-painted construction materials.

Additional Construction Mitigation Measures

The Project construction-source emissions would exceed MDAQMD regional thresholds for NO_x emissions. The following mitigation measure is designed to reduce Project construction-source NO_x emissions. After application of MM AQ-1, Project construction-source emissions impacts would be less than significant.

MM AQ-5

Prior to the commencement of any construction activities, the applicant or its designee shall provide evidence to the City of Adelanto (City) that (1) for off-road equipment with engines rated at 50 horsepower or greater, no construction equipment shall be used that is rated less than Tier 4 Final

per CARB/US EPA specifications. An exemption from this requirement may be granted if (1) the applicant documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the applicant's construction contractor shall: (1) demonstrate that at least 3 construction fleet owners/operators within 50 miles were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within the region during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using CalEEMod or other industry standard emission estimation method and documentation provided to the City to confirm that necessary project-generated emissions reductions are achieved.

Impacts With Mitigation

The estimated maximum daily construction emissions, with mitigation, are summarized in Table 3-7, with detailed modeling outputs provided in Appendix 3.1. Under the assumed construction scenarios, emissions of NO_x associated with Project construction, primarily generated by equipment used during grading activities, initially exceeded the thresholds established by the MDAQMD. However, with implementation of MM AQ-1, NO_x emissions are reduced below the applicable threshold. As a result, the Project would no longer exceed the criteria pollutant thresholds for regional construction emissions and would therefore result in a less than significant impact.

TABLE 3-7: CONSTRUCTION EMISSIONS SUMMARY – WITH MITIGATION

Year	Emissions (lbs/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Summer						
2026	3.38	71.07	121.00	0.57	32.23	8.80
2027	38.20	77.37	344.95	0.41	66.61	16.73
2028	35.68	74.48	325.24	0.41	66.61	16.73
Winter						
2025	3.24	75.59	120.55	0.57	32.23	8.44
2026	15.51	74.40	196.32	0.57	56.78	14.34
2027	34.49	79.55	259.66	0.41	66.61	16.73
2028	33.84	78.22	246.46	0.41	66.61	16.73
Maximum Daily Emissions	38.20	79.55	344.95	0.57	66.61	16.73
MDAQMD Regional Thresholds	137	137	548	137	82	65
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod construction-source (mitigated) emissions are presented in Appendix 3.1.

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project would result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Operational emissions are expected from the following primary sources:

- Mobile Source Emissions;
- Area Source Emissions;
- Energy Source Emissions;
- Stationary Source Emissions;
- On-site Cargo Handling Equipment Emissions; and
- TRU Source Emissions

3.5.1 Mobile Source Emissions

The Project related operational air quality emissions derived primarily from vehicle trips generated by the Project. Trip characteristics available from the *Proposed Adelanto Industrial Park Focused Traffic Study* were utilized in this analysis (22).

Passenger Vehicles

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed industrial land uses.

This analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1² & LDT2³), Medium-Duty-Vehicles (MDV), and Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

TABLE 3-8: PASSENGER CAR FLEET MIX

Land Use	% Vehicle Type				
	LDA	LDT1	LDT2	MDV	MCY
High-Cube Transload and Short-Term Warehouse	52.17	4.15	24.37	16.61	2.69
High-Cube Cold Storage Warehouse	52.17	4.15	24.37	16.61	2.69

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, and MCY vehicle types.

Trucks

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the truck trip length of 40-miles which was taken from the Southern California Association of Government's (SCAG) estimation of average truck trip length in its 2016 Regional Transportation Plan, which is the current basis for the SCAQMD's Warehouse Actions and Investments to Reduce

² Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

³ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

Emissions (WAIRE) Program (23). Additionally, a trip purpose of 100% was assumed, meaning all trips were attributed to a single, defined trip purpose consistent with Project operations.

In order to be consistent with the *Proposed Adelanto Industrial Park Focused Traffic Study*, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the *Proposed Adelanto Industrial Park Focused Traffic Study*. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1⁴ & LHDT2⁵)/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-9: TRUCK FLEET MIX

Land Use	% Vehicle Type			
	LHDT1	LHDT2	MHDT	HHDT
High-Cube Transload and Short-Term Warehouse	13.80	3.86	16.23	66.12
High-Cube Cold Storage Warehouse	13.80	3.86	16.23	66.12

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

Fugitive Dust Related to Vehicular Travel

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of brake and tire wear particulates. The emissions estimate for travel on paved roads was calculated using CalEEMod.

On-Road Mobile Source Emissions Modeling Methodology

EMFAC 2021 and Off-Model Adjustment Factors

On-road mobile source emissions for the Project were estimated using the CARB's EMFAC 2021 model. EMFAC 2021 is the most recent version of EMFAC approved by the U.S. EPA for use in State Implementation Plans (SIPs) and federal transportation conformity determinations, and it remains the standard analytical platform for regional air quality planning in California.

On November 21, 2025, the U.S. EPA approved the use of EMFAC 2021 off-model adjustment factors. These adjustment factors remove the estimated emission benefits that were attributed to California's Advanced Clean Trucks, Zero-Emission Airport Shuttle, Heavy-Duty Vehicle and Engine Emission Warranty and Maintenance Provisions, and Heavy-Duty Omnibus regulations from EMFAC 2021. Because the preemption waivers for these regulations no longer have effect, these regulations are no longer enforceable. These adjustment factors are multipliers provided by CARB which adjust VOC, NO_x, PM₁₀, and PM_{2.5} emission factors by year, region, and vehicle category to account for the removal of these regulations which are already accounted for in EMFAC 2021. Due to fleet turnover, the adjustment factors result in greater emission increases over the base EMFAC 2021 model outputs in later analysis years.

⁴ Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

⁵ Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

Although these adjustment factors were approved by EPA primarily for SIP and conformity analysis purposes, they have been incorporated into this analysis in order to provide a conservative estimation of emissions in an evolving regulatory environment.

Application of Adjustment Factors in This Analysis

Because CalEEMod utilizes EMFAC 2021 emission factors to calculate on-road vehicle emissions, adjustment factors were applied to the mobile source emissions outputs for each operational land use based on the vehicle fleet mix. Additionally, adjustment factors were applied to on-road construction emissions, such as those resulting from haul and vendor trucks.

This approach ensures that the emissions estimates are consistent with CARB-approved and EPA-approved planning methodologies, reflect regulatory programs applicable to heavy-duty vehicles that may not be fully captured in the base EMFAC 2021 model, and provide a technically robust basis for evaluating regional and localized air quality impacts.

Conservatism and Applicability Under CEQA

The use of EMFAC 2021 off-model adjustment factors is not required for CEQA purposes. CEQA does not mandate the use of EPA-approved models or SIP-specific adjustment techniques. Instead, CEQA requires a reasonable, good-faith effort to disclose a project's potential environmental impacts using methodologies supported by substantial evidence.

The decision to apply EMFAC 2021 off-model adjustment factors was made to be conservative and precautionary, even though such factors are primarily intended for federal SIP development and transportation conformity analyses. By incorporating these EPA-approved adjustment factors, the analysis avoids understating emissions that could result if certain regulatory impacts were omitted from the base model outputs.

3.5.2 Area Source Emissions

Architectural Coatings

Over a period of time the buildings that are part of this Project would require maintenance and would therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

Consumer Products

Consumer products include, but are not limited to, detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form O₃ and other photochemically reactive pollutants. The emissions associated with the use of consumer products were calculated based on defaults provided within CalEEMod.

Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the

landscaping of the Project. It should be noted that on October 9, 2021, Governor Gavin Newsom signed AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross HP (known as small off-road engines [SOREs]) by January 1, 2024, which is now in effect. However, for purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod, and do not incorporate the emissions reductions that would be realized from implementation of AB 1346.

3.5.3 Energy Source Emissions

Combustion Emissions Associated with Electricity and Natural Gas

Electricity and natural gas are used in almost every project. Criteria pollutant emissions are emitted through the generation of electricity. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the MDAB, criteria pollutant emissions from offsite generation of electricity are excluded from the evaluation of significance. The site is not expected to utilize natural gas for the building envelope and therefore would not generate any emissions from direct energy consumption.

3.5.4 Stationary Source Emissions

The proposed Project was conservatively assumed to include installation of a 300 HP diesel-powered fire pump and a 700 HP diesel-powered emergency generator at each building. The fire pump and emergency generator were each estimated to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary diesel-powered fire pumps and emergency generators were calculated using CalEEMod.

3.5.5 On-Site Cargo Handling Equipment Emissions

It is common for warehouse buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. For this Project, the on-site operational modeling includes the use of compressed natural gas (CNG) cargo handling equipment. A total of thirty (30) pieces of CNG cargo handling equipment are modeled, operating 4 hours per day, 365 days per year.

3.5.6 TRU Emissions

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. Based on the trip generation estimates, the Project would result in two-way truck trips from the cold-storage land uses which have the potential to include TRUs. Therefore, for modeling purposes, approximately 453 trucks with TRUs are accounted for during on-site and off-site travel. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on OFFROAD Model version 2021 (OFFROAD 2021), developed by CARB. OFFROAD 2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation

associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operations. TRU emission calculations are provided in Appendix 3.3.

3.5.7 Operational Emissions Summary

Impacts Without Mitigation

The estimated operational-source emissions without mitigation are summarized in Table 3-10. Detailed operation model outputs for the Project are presented in Appendix 3.2. As shown on Table 3-10, the Project's daily regional emissions from on-going operations will exceed the MDAQMD significance thresholds for emissions of VOCs, NO_x, CO, PM₁₀, and PM_{2.5}.

TABLE 3-10: PEAK OPERATIONAL EMISSIONS – WITHOUT MITIGATION

Source	Emissions (lbs/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀ T	PM _{2.5} T
Summer						
Mobile	43.17	356.16	447.73	4.00	209.19	59.87
Area	247.94	3.02	359.09	0.02	0.64	0.48
Stationary	5.74	16.05	14.65	0.03	0.84	0.84
On-Site Equipment	3.34	10.86	466.16	0.00	0.88	0.81
TRUs	135.65	121.61	16.84	0.00	3.56	3.28
Maximum Daily Emissions	435.84	507.70	1,304.46	4.05	215.12	65.28
MDAQMD Regional Thresholds	137	137	548	137	82	65
Threshold Exceeded?	YES	YES	YES	NO	YES	YES
Winter						
Mobile	39.77	375.97	359.73	3.91	209.19	59.87
Area	188.94	0.00	0.00	0.00	0.00	0.00
Stationary	5.74	16.05	14.65	0.03	0.84	0.84
On-Site Equipment	3.34	10.86	466.16	0.00	0.88	0.81
TRUs	135.65	121.61	16.84	0.00	3.56	3.28
Maximum Daily Emissions	373.44	524.48	857.37	3.94	214.48	64.80
MDAQMD Regional Thresholds	137	137	548	137	82	65
Threshold Exceeded?	YES	YES	YES	NO	YES	NO

Source: CalEEMod operational-source (unmitigated) emissions are presented in Appendix 3.2.

Applicable Mitigation Measures from the 2009 DEIR

MM AQ-4 was taken directly from the *Adelanto Gateway Logistics Center Draft Environmental Impact Report SCH No: 2008071129* (4).

MM AQ-4

The following measures shall be implemented to reduce ROG emissions resulting from application of architectural coatings:

- Contractors shall use HPLV paint applicators with a minimum transfer efficiency of at least 50%;
- Use required coatings and solvents with a VOC content lower than required under Rule 1113;
- When possible, construct/build with materials that do not require painting; and
- Use pre-painted construction materials.

Additional Operational Mitigation Measures

The following measures (MM AQ-6 through MM AQ-22) are designed to reduce Project operational-source VOC, NO_x, CO, and PM₁₀ emissions. There is no way to meaningfully quantify these reductions in CalEEMod, and therefore no numeric emissions credit has been taken in the analysis. As such, even with application of MM AQ-6 through MM AQ-22, Project operational-source emissions impacts are considered significant and unavoidable.

Notwithstanding this limitation, it is reasonable to expect that the measures will reduce emissions to some extent. Specifically, MM AQ-12, which requires the use of electric cargo handling equipment, would eliminate emissions from that on-site equipment entirely, since electric equipment does not produce emissions.

MM AQ-6

The buildings' electrical room shall be sufficiently sized to hold additional panels that may be needed to supply power for the future installation of EV truck charging stations on the site. Conduit should be installed from the electrical room to tractor trailer parking spaces in a logical location(s) on the site determined by the Project Applicant during construction document plan check, for the purpose of accommodating the future installation of EV truck charging stations at such time this technology becomes commercially available and the buildings are being served by trucks with electric-powered engines.

MM AQ-7

The buildings' electrical room shall be sufficiently sized to hold additional panels that may be needed in the future to supply power to trailers with TRUs during the loading/unloading of refrigerated goods. Conduit should be installed from the electrical room to the loading docks determined by the Project Applicant during construction document plan check as the logical location(s) to receive trailers with TRUs.

MM AQ-8

Upon occupancy and annually thereafter, the facility operator shall provide information to all tenants, with instructions that the information shall be provided to employees and truck drivers as appropriate, regarding:

- Building energy efficiency, solid waste reduction, recycling, and water conservation.
- Vehicle GHG emissions, EV charging availability, and alternate transportation opportunities for commuting.
- Participation in the VICS "Empty Miles" program to improve goods trucking efficiencies.
- Health effects of diesel particulates, State regulations limiting truck idling time, and the benefits of minimized idling.

- The importance of minimizing traffic, noise, and air pollutant impacts to any residences in the Project vicinity.

MM AQ-9

Prior to issuance of a building permit, the project proponent shall provide the City with an onsite signage program that clearly identifies the required onsite circulation system. This shall be accomplished through posted signs and painting on driveways and internal roadways.

MM AQ-10

Prior to issuance of an occupancy permit, the City shall confirm that signs clearly identifying approved truck routes have been installed along the truck routes to and from the Project site.

MM AQ-11

Prior to issuance of an occupancy permit, the Project proponent, shall install a sign on the property with telephone, email, and regular mail contact information for a designated representative of the tenant who would receive complaints about excessive noise, dust, fumes, or odors. The sign shall also identify contact data for the City for perceived Code violations. The tenant's representative shall keep records of any complaints received and actions taken to communicate with the complainant and resolve the complaint. The tenant's representative shall endeavor to resolve complaints within 24 hours.

MM AQ-12

All on-site outdoor cargo-handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) shall be electric or non-diesel fueled. All on-site indoor forklifts shall be powered by electricity.

MM AQ-15

Prior to tenant occupancy, the Project Applicant or successor in interest shall provide documentation to the City demonstrating that occupants/tenants of the Project site have been provided informational documentation regarding:

- Information regarding energy efficiency, energy-efficient lighting and lighting control systems, energy management, and existing energy incentive programs
- Information regarding and a recommendation to use electric or alternatively fueled sweepers with HEPA filters.

MM AQ-16

The Project applicant or designee shall provide EV charging infrastructure that meets or exceeds the current California Green Building Standards Code Tier 2 standards to encourage use of EVs.

MM AQ-17

The Project applicant shall implement the following landscape maintenance equipment reduction measures:

- Prior to the issuance of building permits, the Project applicant or its designee shall provide evidence to the City of Adelanto that the design plans include electrical outlets on the exterior of the structure to facilitate use of electrical lawn and garden equipment.
- The applicant (or its designee) or Project's future Homeowners' Association shall educate future residents about the MDAQMD Electric Lawn Mower Rebate Program and the Commercial Electric Lawn and Garden Equipment Exchange Program. When conventional gasoline-powered yard equipment (e.g., lawn mowers, leaf blowers and vacuums, shredders, trimmers, and chain saw) are exchanged for electric and rechargeable battery-powered yard equipment, direct greenhouse gas (GHG) emissions from fossil-fuel combustion are displaced by indirect GHG emissions associated with the generation of electricity used to power the equipment.

MM AQ-18

Prior to tenant occupancy, the Project Applicant or successor(s) in interest shall provide documentation to the City demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment. In addition, the tenants shall be required to enroll in the U.S. EPA's SmartWay program and be required to utilize carriers that are SmartWay carriers.

MM AQ-19

All facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site shall meet or exceed 2010 model year emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.

MM AQ-20

Prior to the occupancy of any on site development, the applicant or its designee shall provide evidence to the City of Adelanto that the applicant/phase developer has developed a Green Cleaning Product and Paint education program to be made available at rental and purchasing offices and/or on websites. The educational program shall include a flyer (hardcopy and/or digital) that includes, at a minimum, an explanation of what VOCs are, how VOCs affect persons, where to find low-VOC alternatives for cleaning supplies and paint, and additional resources for learning more.

MM AQ-21

Prior to the issuance of building permits, the applicant or its designee shall provide evidence to the City of Adelanto that for applicant (or its designee) and Homeowners' Association operated spaces that provisions are in place to ensure only zero- or low-VOC cleaning supplies and super compliant-VOC paints (less than 10 grams per liter VOC) are used during Project operation.

MM AQ-22

Electric plug-ins shall be installed at the loading docks at cold storage facilities to allow for transport refrigeration unit standby electric plug-in.

Impacts With Mitigation

The estimated operational-source emissions summarized on Table 3-11 represent the Project's operational emissions after implementation of MM AQ-4 and MM AQ-12. Detailed operation model outputs for the Project are presented in Appendix 3.2. As shown on Table 3-11, the Project's daily regional emissions will exceed the MDAQMD significance thresholds for emissions of VOCs, NO_x, CO, and PM₁₀.

TABLE 3-11: PEAK OPERATIONAL EMISSIONS – WITH MITIGATION

Source	Emissions (lbs/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀ T	PM _{2.5} T
Summer						
Mobile	43.17	356.16	447.73	4.00	209.19	59.87
Area	238.77	3.02	359.09	0.02	0.64	0.48
Stationary	5.74	16.05	14.65	0.03	0.84	0.84
On-Site Equipment	0.00	0.00	0.00	0.00	0.00	0.00
TRUs	135.65	121.61	16.84	0.00	3.56	3.28
Maximum Daily Emissions	423.33	496.84	838.30	4.05	214.24	64.47
MDAQMD Regional Thresholds	137	137	548	137	82	65
Threshold Exceeded?	YES	YES	YES	NO	YES	NO
Winter						
Mobile	39.77	375.97	359.73	3.91	209.19	59.87
Area	179.76	0.00	0.00	0.00	0.00	0.00
Stationary	5.74	16.05	14.65	0.03	0.84	0.84
On-Site Equipment	0.00	0.00	0.00	0.00	0.00	0.00
TRUs	135.65	121.61	16.84	0.00	3.56	3.28
Maximum Daily Emissions	360.92	513.63	391.21	3.94	213.60	63.99
MDAQMD Regional Thresholds	137	137	548	137	82	65
Threshold Exceeded?	YES	YES	NO	NO	YES	NO

Source: CalEEMod operational-source (mitigated) emissions are presented in Appendix 3.2.

3.6 CO “HOT SPOT” ANALYSIS

A CO hotspot is defined as a localized concentration of CO exceeding the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. At the time the most recent CEQA Air Quality Handbook (1993) was published by SCAQMD, the air basin was designated as non-attainment, requiring projects to perform hotspot analyses to ensure they did not worsen the existing conditions. Over the last two decades, background CO concentrations have been significantly reduced due to regulatory controls on tailpipe emissions, which have culminated in the air basin achieving attainment status for CO.

The 2003 AQMP's findings underscore that CO hotspots are highly unlikely due to the reduced background concentrations and the effectiveness of California's air quality management strategies. The substantial reduction in CO levels from the vehicle fleet and the state's attainment status for CO

further diminish the need for detailed microscale hotspot analyses, reinforcing that existing monitoring and regulatory frameworks adequately address potential air quality concerns.

In 2003, the SCAQMD as part of its AQMP development process, prepared modeling to determine the potential for CO Hotspots at the four busiest intersections in the air basin. As summarized in the 2003 AQMP, even at one of the busiest intersections at that time, only 0.7 ppm of CO is attributable to vehicular traffic and the remaining 7.7 ppm were due to ambient background conditions. As shown on Table 2-5 in this report, the background 1-hour and 8-hour concentrations are well below the applicable AAQS. The 2003 AQMP's findings underscore that CO hotspots are highly unlikely due to the reduced background concentrations and the effectiveness of California's air quality management strategies. The substantial reduction in CO levels from the vehicle fleet and the state's attainment status for CO further diminish the need for detailed microscale hotspot analyses, reinforcing that existing monitoring and regulatory frameworks adequately address potential air quality concerns.

As such, Project-related traffic at any intersections within the Project area would not cause or contribute to a CO hotspot since the background concentrations are low and any contribution from Project traffic would be negligible.

3.7 AQMP

The Federal Particulate Matter Attainment Plan and Ozone Attainment Plan for the Mojave Desert set forth a comprehensive set of programs that will lead the MDAB into compliance with federal and state air quality standards. The control measures and related emission reduction estimates within the Federal Particulate Matter Attainment Plan and Ozone Attainment Plan are based upon emissions projections for a future development scenario derived from land use, population, and employment characteristics defined in consultation with local governments. Accordingly, conformance with these attainment plans for development projects is determined by demonstrating compliance the indicators discussed below:

3.7.1 Consistency Criterion No. 1

Local land use plans and/or population projections

The City of Adelanto General Plan designates the Project site for manufacturing/industrial uses. The Project Applicant proposes land uses that are consistent with development anticipated under the site's existing General Plan designation. The Project would therefore conform to local land use plans.

3.7.4 Consistency Criterion No. 2

All MDAQMD Rules and Regulations

The Project would be required to comply with all applicable MDAQMD Rules and Regulations, including, but not limited to Rules 401 (Visible Emissions), 402 (Nuisance), 403 (Fugitive Dust), and 1113 (Architectural Coatings). As previously stated in Section ES.2 of this AQIA, the Project would implement MDAQMD Rule 403 and MDAQMD Rule 1113.

3.7.3 Consistency Criterion No. 3

Demonstrating that the project will not increase the frequency or severity of a violation in the federal or state ambient air quality standards

As substantiated herein, Project construction-source emissions would not exceed applicable MDAQMD significance thresholds after mitigation. However, mitigated operational-source emissions would exceed applicable MDAQMD regional thresholds for emissions of VOCs, NO_x, CO, and PM₁₀. As such, the Project would have the potential to increase the frequency or severity of a violation in the federal or state ambient air quality for on-going Project operations.

AQMP Consistency Conclusion

The Project's proposed land use designation for the subject site is consistent with the land use designation discussed in the General Plan. However, even with mitigation the Project would exceed the applicable regional thresholds during operation for emissions of VOCs, NO_x, CO, and PM₁₀ and would therefore be considered to have a significant impact. The Project is therefore considered to be inconsistent with the AQMP.

3.8 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Sensitive receptors can include uses such as long-term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, childcare centers, and athletic facilities can also be considered as sensitive receptors.

As per the MDAQMD's *Guidelines*, the following project types located within a specified distance to an existing or planned sensitive receptor land use must be evaluated to determine exposure of substantial pollutant concentrations to sensitive receptors (19):

- Any industrial project within 1,000 feet;
- A distribution center (40 or more fs per day) within 1,000 feet;
- A major transportation project (50,000 or more vehicles per day) within 1,000 feet;
- A dry cleaner using perchloroethylene within 500 feet;
- A gasoline dispensing facility within 300 feet.

The Project involves the development of a 451.00-acre site which will be constructed with seven warehouse buildings totaling approximately 8,256,274 SF. Each building will be designed to include 80% High-Cube Transload and Short-Term Storage Warehouse and 20% High-Cube Cold Storage Warehouse space.

Receptors in the Project study area are described below and shown on Exhibit 3-A. All distances are measured from the Project sites boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project sites. The selection of receptor locations is based on Federal Highway Administration (FHWA) guidelines and is consistent with additional guidance provided by Caltrans and the Federal Transit Administration (FTA). Distance is measured in a straight line from the project boundary to each receptor location.

- Location R1 represents the Adelanto State Preschool located at 17927 Jonathan Street, approximately 2,540 feet northwest of the Project site.
- Location R2 represents the existing residence at 17767 Adelanto Road, approximately 630 feet northwest of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R2 is placed at the building façade.

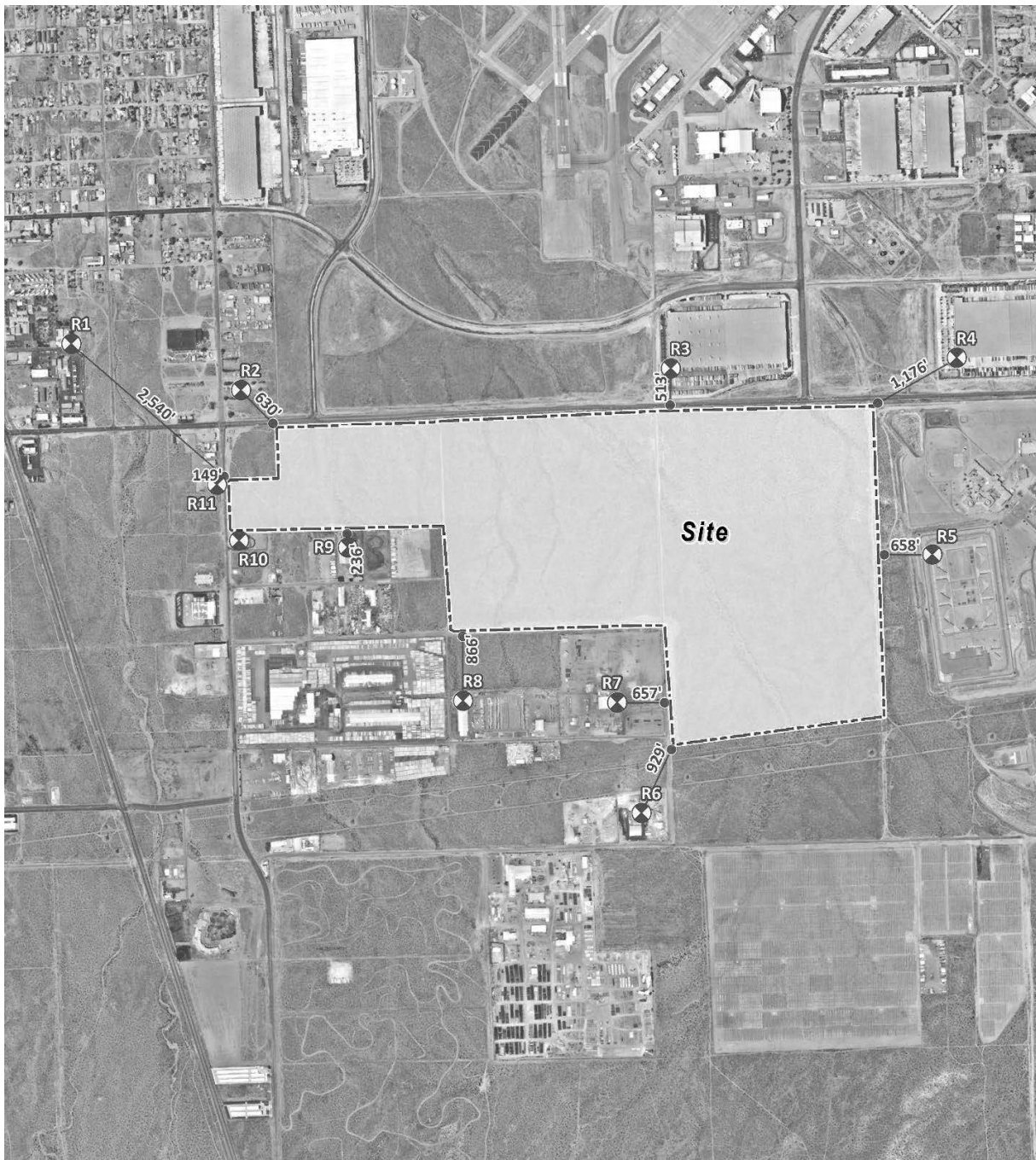
- Location R3 represents the Victorville DFC – Snack warehouse at 13133 Innovation Way, approximately 513 feet north of the Project site.
- Location R4 represents the Graco warehouse at 17182 Nevada Avenue, approximately 1,176 feet northeast of the Project site.
- Location R5 represents the Federal Correctional Institution – Victorville prison located at 13777 Air Expressway, approximately 658 feet east of the Project site.
- Location R6 represents the Diversified Minerals Inc. facility at 12808 Rancho Road, located approximately 929 feet southwest of the Project site.
- Location R7 represents the Mobile Pipe Lining & Coating facility located at 12766 Violet Road, located approximately 657 feet west of the Project site.
- Location R8 represents the Valew Quality Truck Bodies – 1954 MFG facility at 12522 Violet Road, located approximately 866 feet south of the Project site.
- Location R9 represents Soil Safe of California Environmental Engineer facility at 12328 Hibiscus Road, located approximately 236 feet south of the Project site.
- Location R10 represents the Jet Room cannabis store located at 17499 Adelanto Road, approximately 124 feet south of the Project site.
- Location R11 represents the GM Precision Metal Spinning, Inc. facility at 17592 Adelanto Road, located approximately 121 feet west of the Project site.

Based on Exhibit 3-A, the nearest receptor is an existing residence at 17767 Adelanto Road, approximately 630 feet northwest of the Project site.

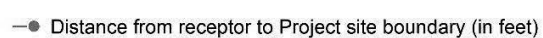
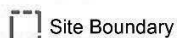
The Project would have a potentially significant health risk impact if it results in a maximum incremental cancer risk from emission of Toxic Air Contaminants (TACs) of ≥ 10 in one million and/or a chronic & acute hazard index that is ≥ 1.0 . In the case of the Project, the TAC of concern is diesel particulate matter (DPM) that could be generated by Project construction activities, and on-site and off-site DPM that would result from on-going Project operations.

For purposes of this evaluation, a Health Risk Assessment (HRA) has been prepared by Urban Crossroads, Inc. under a separate cover. The results of the *Adelanto Industrial Park Construction and Operational Health Risk Assessment* indicate that the Project would not result in any potentially significant health risk impacts from exposure to DPM emissions (24).

EXHIBIT 3-A: SENSITIVE RECEPTOR LOCATIONS



LEGEND:



3.9 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with current solid waste regulations. The Project would also be required to comply with MDAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors and other emissions (such as those leading to odors) associated with construction and operations activities of the Project would be less than significant and no mitigation is required (25).

3.10 CUMULATIVE IMPACTS

The MDAQMD relies on the SCAQMD guidance for determining cumulative impacts. The SCAQMD has recognized that there is typically insufficient information to quantitatively evaluate the cumulative contributions of multiple projects because each project applicant has no control over nearby projects.

The SCAQMD published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (26). In this report the SCAQMD clearly states (Page D-3):

"...the SCAQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer

burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.”

Consistent with the above SCAQMD guidance, individual projects that do not generate operational or construction emissions that exceed the MDAQMD’s recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Conversely, individual project-related construction and operational emissions that exceed MDAQMD thresholds for project-specific impacts would be considered cumulatively considerable. As previously noted, the Project would exceed the applicable MDAQMD regional threshold for operational-source emissions of VOCs, NO_x, CO, and PM₁₀. As such, the Project would result in a cumulatively significant impact for operational activity.

Construction-Source Emission Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project construction-source air pollutant emissions would not result in exceedances of regional thresholds after implementation of MM AQ-5. Therefore, Project construction-source emissions would be considered less than significant on a Project-specific and cumulative basis.

Operational-Source Emission Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project operational-source air pollutant emissions would result in exceedances of MDAQMD thresholds for emissions of VOCs, NO_x, CO, and PM₁₀. Therefore, Project operational-source emissions would be considered significant and unavoidable on a project-specific and cumulative basis.

4 REFERENCES

1. **State of California.** *2020 CEQA California Environmental Quality Act.* 2020.
2. **Mojave Desert Air Quality Management District.** Rule 403 Fugitive Dust Control for the Mojave Desert Planning Area. [Online] <https://www.mdaqmd.ca.gov/home/showpublisheddocument/8482/637393282546170000>.
3. —. Rule 1113 Architectural Coatings. [Online] <http://mdaqmd.ca.gov/home/showdocument?id=418>.
4. **RBF Consulting.** *Adelanto Gateway Logistics Center Draft Environmental Impact Report SCH No: 2008071129.* 2009.
5. **South Coast Air Quality Management District.** *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning.* 2005.
6. **St. Croix Sensory, Inc.** *The "Gray Line" Between Odor Nuisance and Health Effects.* 2000.
7. **California Air Resources Board.** Ambient Air Quality Standards (AAQS). [Online] 2024. <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>.
8. **United State Environmental Protection Agency.** Frequent Questions about General Conformity . EPA. [Online] <https://www.epa.gov/general-conformity/frequent-questions-about-general-conformity#8>.
9. **South Coast Air Quality Management District.** Annual Air Quality Monitoring Network Plan. [Online] July 2023. <https://www.aqmd.gov/docs/default-source/default-document-library/south-coast-aqmd-2023-annual-air-quality-monitoring-network-plan.pdf?sfvrsn=0>.
10. **Air Resources Board.** *Appendix C Maps and Tables of Area Designations for State and National Ambient Air Quality Standards.* 2024.
11. —. iAdam: Air Quality Data Statistics. *California Air Resources Board.* [Online] <https://arb.ca.gov/adam>.
12. **California Air Resources Board.** iAir Quality Data (PST) Query Tool. AQMIS. [Online] <https://www.arb.ca.gov/aqmis2/aqdselect.php?tab=specialrpt>.
13. **Environmental Protection Agency.** National Ambient Air Quality Standards (NAAQS). [Online] 1990. <https://www.epa.gov/environmental-topics/air-topics>.
14. —. Air Pollution and the Clean Air Act. [Online] <http://www.epa.gov/air/caa/>.
15. **United States Environmental Protection Agency.** 1990 Clean Air Act Amendment Summary: Title I. [Online] <https://www.epa.gov/clean-air-act-overview/1990-clean-air-act-amendment-summary-title-i>.
16. —. 1990 Clean Air Act Amendment Summary: Title II. [Online] <https://www.epa.gov/clean-air-act-overview/1990-clean-air-act-amendment-summary-title-ii>.
17. **Air Resources Board.** California Ambient Air Quality Standards (CAAQS). [Online] 2009. [Cited: April 16, 2018.] <http://www.arb.ca.gov/research/aaqs/caaqs/caaqs.htm>.
18. **California Air Resources Board.** Western Mojave Desert Air Quality Management Plans. [Online] <https://ww2.arb.ca.gov/our-work/programs/california-state-implementation-plans/nonattainment-area-plans/western-mojave>.
19. **Mojave Desert Air Quality Management District.** California Environmental Quality Act (CEQA) and Federal Conformity Guidelines. [Online] February 2020. <https://www.mdaqmd.ca.gov/home/showpublisheddocument/8510/638126583450270000>.
20. **California Air Pollution Control Officers Association (CAPCOA).** California Emissions Estimator Model (CalEEMod). [Online] March 2023. www.caleemod.com.
21. **Association of Environmental Professionals.** *2024 CEQA California Environmental Quality Act.* 2024.
22. **David Evans and Associates, Inc.** *Proposed Adelanto Industrial Park Focused Traffic Study.* 2026.

23. **South Coast Air Quality Management District.** *Preliminary Draft Staff Report - Proposed Rule 2305 – Warehouse Indirect Source Rule - Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program and Proposed Rule 316 – Fees for Rule 2305.* 2021.
24. **Urban Crossroads, Inc.** *Adelanto Industrial Park Construction and Operational Health Risk Assessment.* 2026.
25. **South Coast Air Quality Management District.** RULE 402 NUISANCE. [Online] <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>.
26. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf>.

5 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Adelanto Industrial Park Project. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

Haseeb Qureshi
Principal
URBAN CROSSROADS, INC.
1133 Camelback #8329
Newport Beach, CA 92658
hqureshi@urbanxroads.com

Education

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010
Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

Professional Affiliations

AEP – Association of Environmental Professionals
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

Professional Certifications

Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – CARB • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

Appendix C - Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Table of Ambient Air Quality Standards

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	9.0 µg/m ³	15.0 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		53 ppb (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On February 7, 2024, the national annual PM_{2.5} primary standard was lowered from 12.0 µg/m³ to 9.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15.0 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³) as a quarterly average remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment transitional, or unclassified for each pollutant, as shown below:

Designation	Abbreviation
Attainment	A
Nonattainment	N
Nonattainment Transitional	NA-T
Unclassified	U

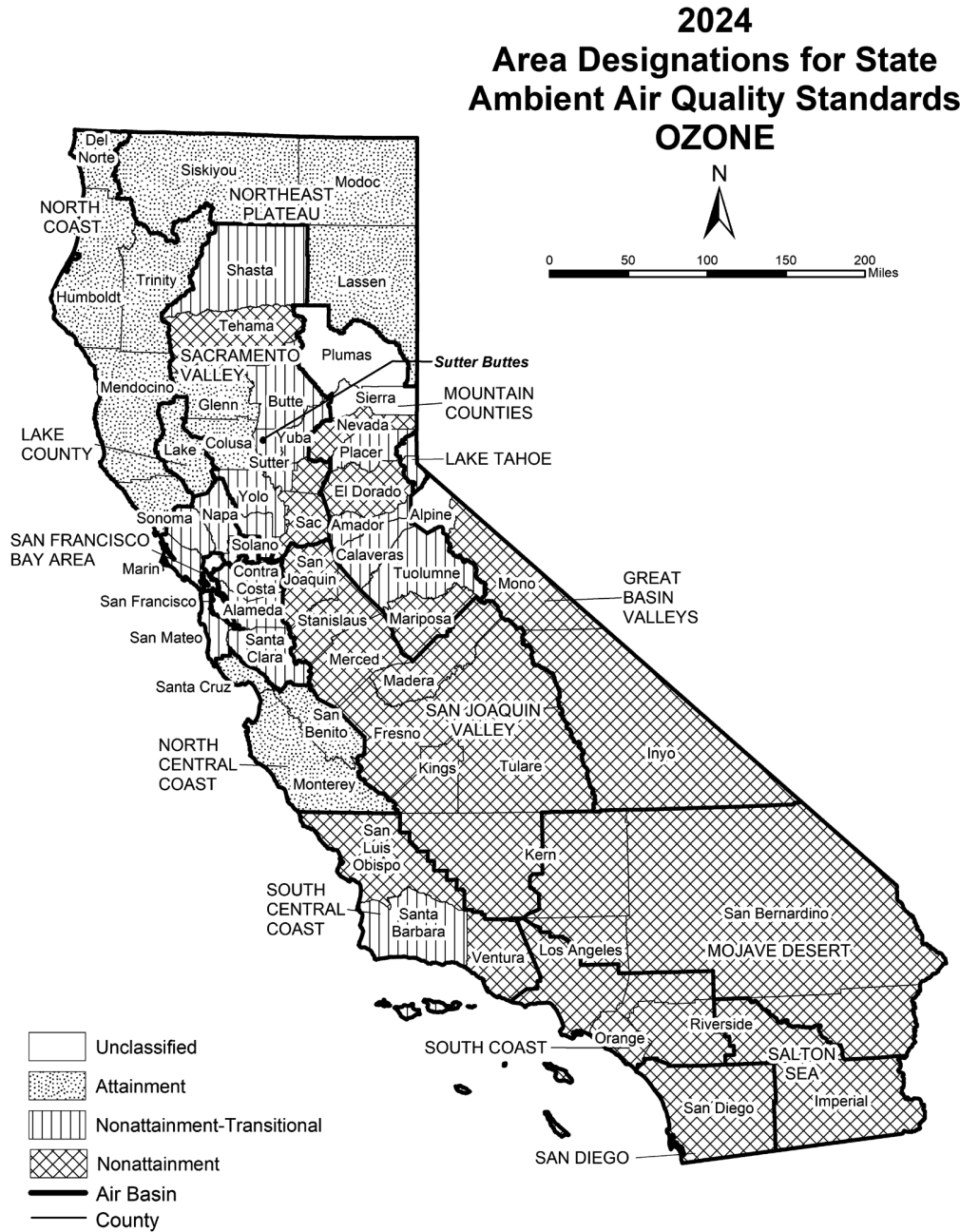
In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

Table 1 California Ambient Air Quality Standards Area Designations for Ozone¹

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	N
Mono County	N
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	NA-T
MOJAVE DESERT AIR BASIN	N
MOUNTAIN COUNTIES AIR BASIN	
Amador County	NA-T
Calaveras County	NA-T
El Dorado County (portion)	N
Mariposa County	N
Nevada County	N
Placer County (portion)	NA-T
Plumas County	U
Sierra County	U
Tuolumne County	NA-T
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	
Butte County	NA-T
Colusa and Glenn Counties	A
Shasta County	NA-T
Sutter/Yuba Counties	
Sutter Buttes	NA-T
Remainder of Sutter County	NA-T
Yuba County	NA-T
Yolo/Solano Counties	NA-T
Remainder of Air Basin	N
SALTON SEA AIR BASIN	N
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	NA-T
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	
San Luis Obispo County	N
Santa Barbara County	NA-T
Ventura County	N
SOUTH COAST AIR BASIN	N

¹ AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

Figure 1



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 2
California Ambient Air Quality Standards Area Designations for
Suspended Particulate Matter (PM₁₀)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	N
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	N
MOJAVE DESERT AIR BASIN	N
MOUNTAIN COUNTIES AIR BASIN	
Amador County	U
Calaveras County	N
El Dorado County (portion)	N
Mariposa County	
- Yosemite National Park	N
- Remainder of County	U
Nevada County	U
Placer County (portion)	N
Plumas County	U
Sierra County	U
Tuolumne County	U
NORTH CENTRAL COAST AIR BASIN	N
NORTH COAST AIR BASIN	
Del Norte, Mendocino, Sonoma (portion) and Trinity Counties	A
Remainder of Air Basin	N
NORTHEAST PLATEAU AIR BASIN	
Siskiyou County	A
Remainder of Air Basin	U
SACRAMENTO VALLEY AIR BASIN	
Shasta County	A
Remainder of Air Basin	N
SALTON SEA AIR BASIN	N
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	N
SOUTH COAST AIR BASIN	N

Figure 2



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

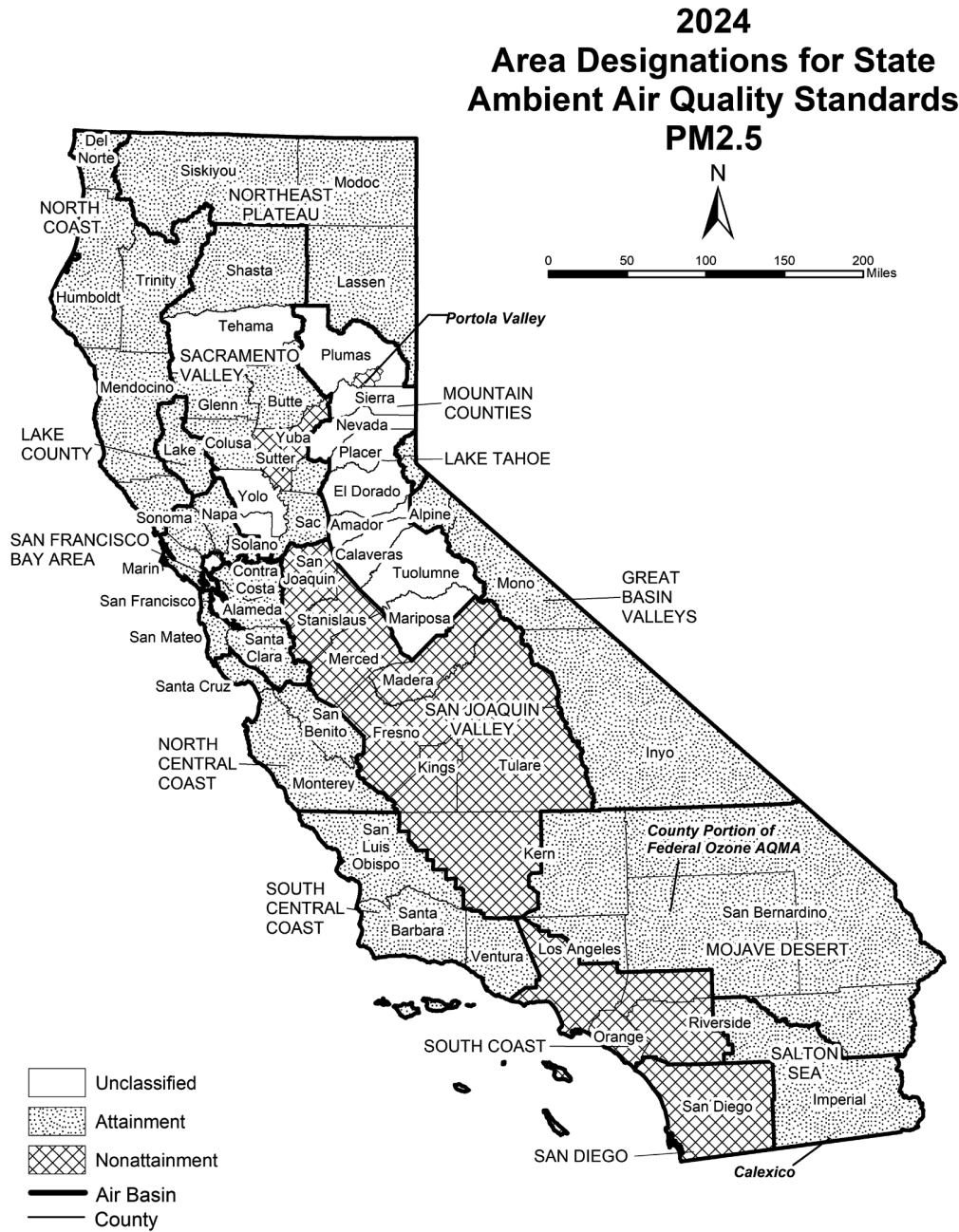
Table 3
California Ambient Air Quality Standards Area Designations for
Fine Particulate Matter (PM_{2.5})

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	
Plumas County	
- Portola Valley ²	N
- Remainder Plumas County	U
Remainder of Air Basin	U
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	
Butte County	A
Colusa County	A
Glenn County	A
Placer County (portion)	A
Sacramento County	A
Shasta County	A
Sutter and Yuba Counties	N
Remainder of Air Basin	U
SALTON SEA AIR BASIN	
Imperial County	
- City of Calexico ³	N
Remainder of Air Basin	A
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	N

² California Code of Regulations, title 17, section 60200(c)

³ California Code of Regulations, title 17, section 60200(a)

Figure 3



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

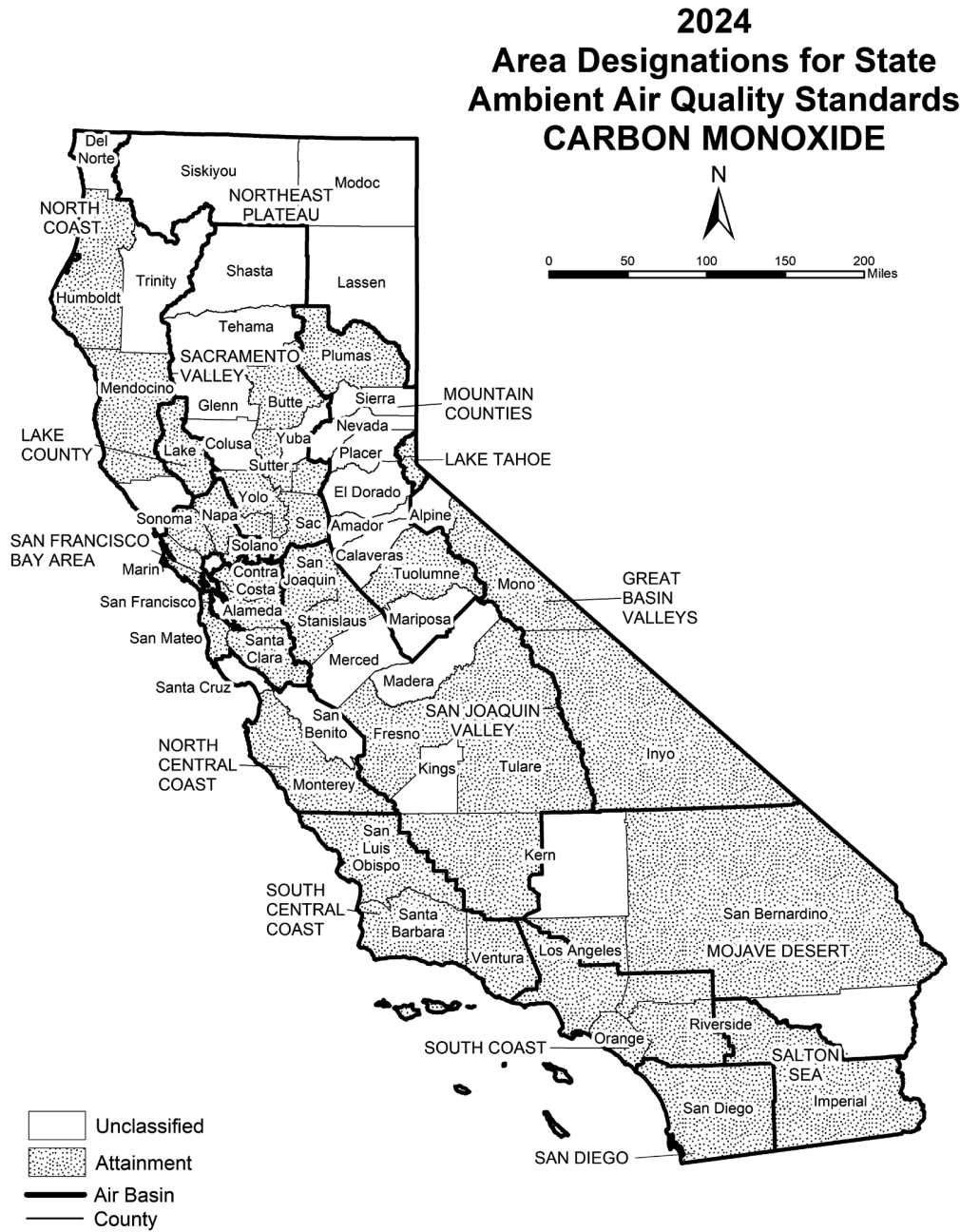
Table 4
California Ambient Air Quality Standards Area Designations for
Carbon Monoxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	A
Mono County	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	
Kern County (portion)	U
Los Angeles County (portion)	A
Riverside County (portion)	U
San Bernardino County (portion)	A
MOUNTAIN COUNTIES AIR BASIN	
Amador County	U
Calaveras County	U
El Dorado County (portion)	U
Mariposa County	U
Nevada County	U
Placer County (portion)	U
Plumas County	A
Sierra County	U
Tuolumne County	A
NORTH CENTRAL COAST AIR BASIN	
Monterey County	A
San Benito County	U
Santa Cruz County	U
NORTH COAST AIR BASIN	
Del Norte County	U
Humboldt County	A
Mendocino County	A
Sonoma County (portion)	U
Trinity County	U

Area	Designations
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	
Butte County	A
Colusa County	U
Glenn County	U
Placer County (portion)	A
Sacramento County	A
Shasta County	U
Solano County (portion)	A
Sutter County	A
Tehama County	U
Yolo County	A
Yuba County	U
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	
Fresno County	A
Kern County (portion)	A
Kings County	U
Madera County	U
Merced County	U
San Joaquin County	A
Stanislaus County	A
Tulare County	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for carbon monoxide is a county or portion of a county

Figure 4



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 5
California Ambient Air Quality Standards Area Designations for
Nitrogen Dioxide

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	
CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	A
Remainder of Air Basin	A

Figure 5



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for sulfur dioxide is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 6



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 7
California Ambient Air Quality Standards Area Designations for
Sulfates

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

Figure 7



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 8
California Ambient Air Quality Standards Area Designations for
Lead (particulate)*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 8



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 9
California Ambient Air Quality Standards Area Designations for
Hydrogen Sulfide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	A
Mono County	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	U
MOJAVE DESERT AIR BASIN	
Kern County (portion)	U
Los Angeles County (portion)	U
Riverside County (portion)	U
San Bernardino County (portion)	
- Searles Valley Planning Area ⁴	N
- Remainder of County	U
MOUNTAIN COUNTIES AIR BASIN	
Amador County	
- City of Sutter Creek	N
- Remainder of County	U
Calaveras County	U
El Dorado County (portion)	U
Mariposa County	U
Nevada County	U
Placer County (portion)	U
Plumas County	U
Sierra County	U
Tuolumne County	U

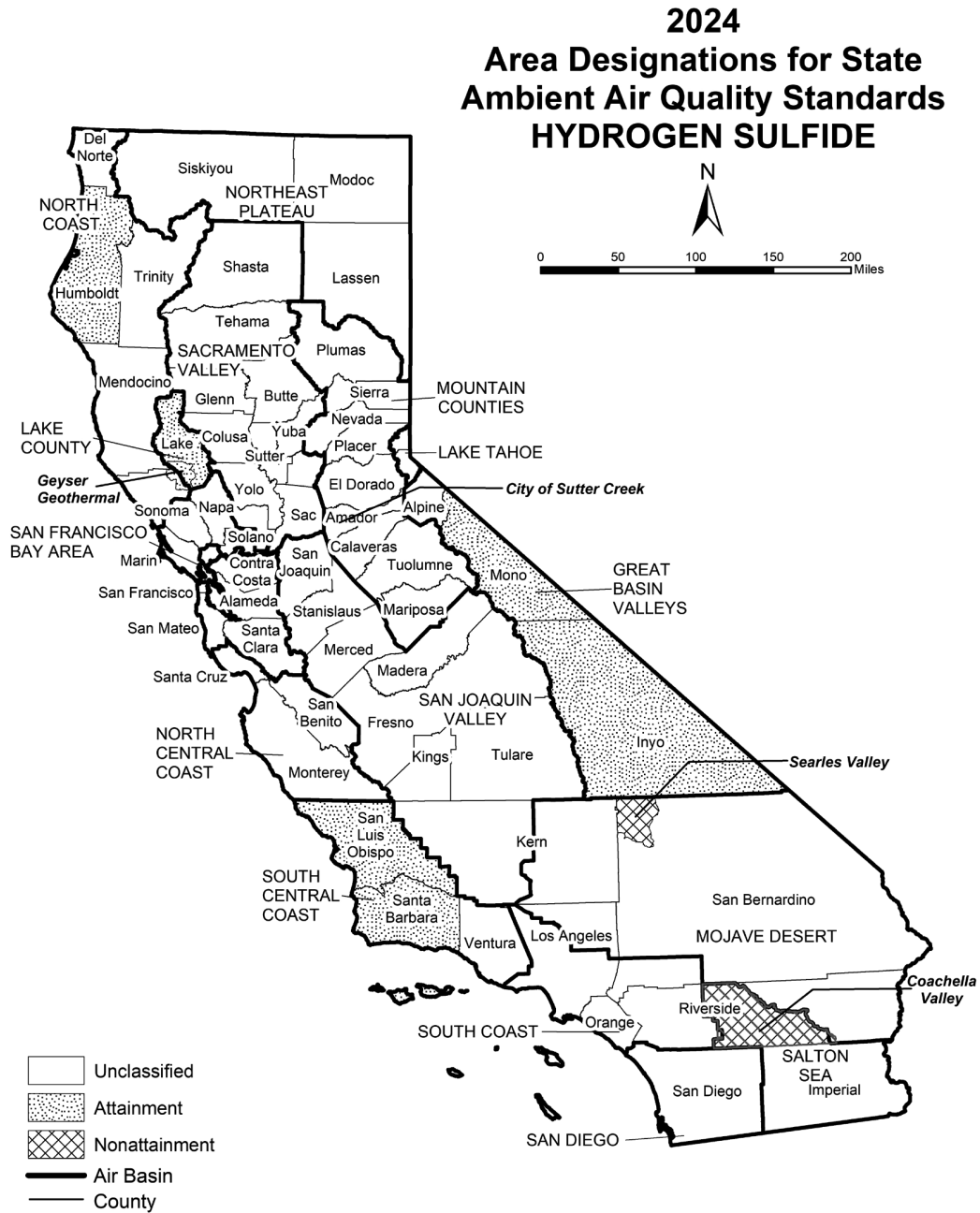
Area	Designations
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	
Del Norte County	U
Humboldt County	A
Mendocino County	U
Sonoma County (portion)	
- Geyser Geothermal Area ⁵	A
- Remainder of County	U
Trinity County	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	U
SALTON SEA AIR BASIN	
Riverside County (portion)	N
Imperial County	U
SAN DIEGO AIR BASIN	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	U
SOUTH CENTRAL COAST AIR BASIN	
San Luis Obispo County	A
Santa Barbara County	A
Ventura County	U
SOUTH COAST AIR BASIN	U

* The area designated for hydrogen sulfide is a county or portion of a county

⁴ 52 Federal Register 29384 (August 7, 1987)

⁵ California Code of Regulations, title 17, section 60200(d)

Figure 9

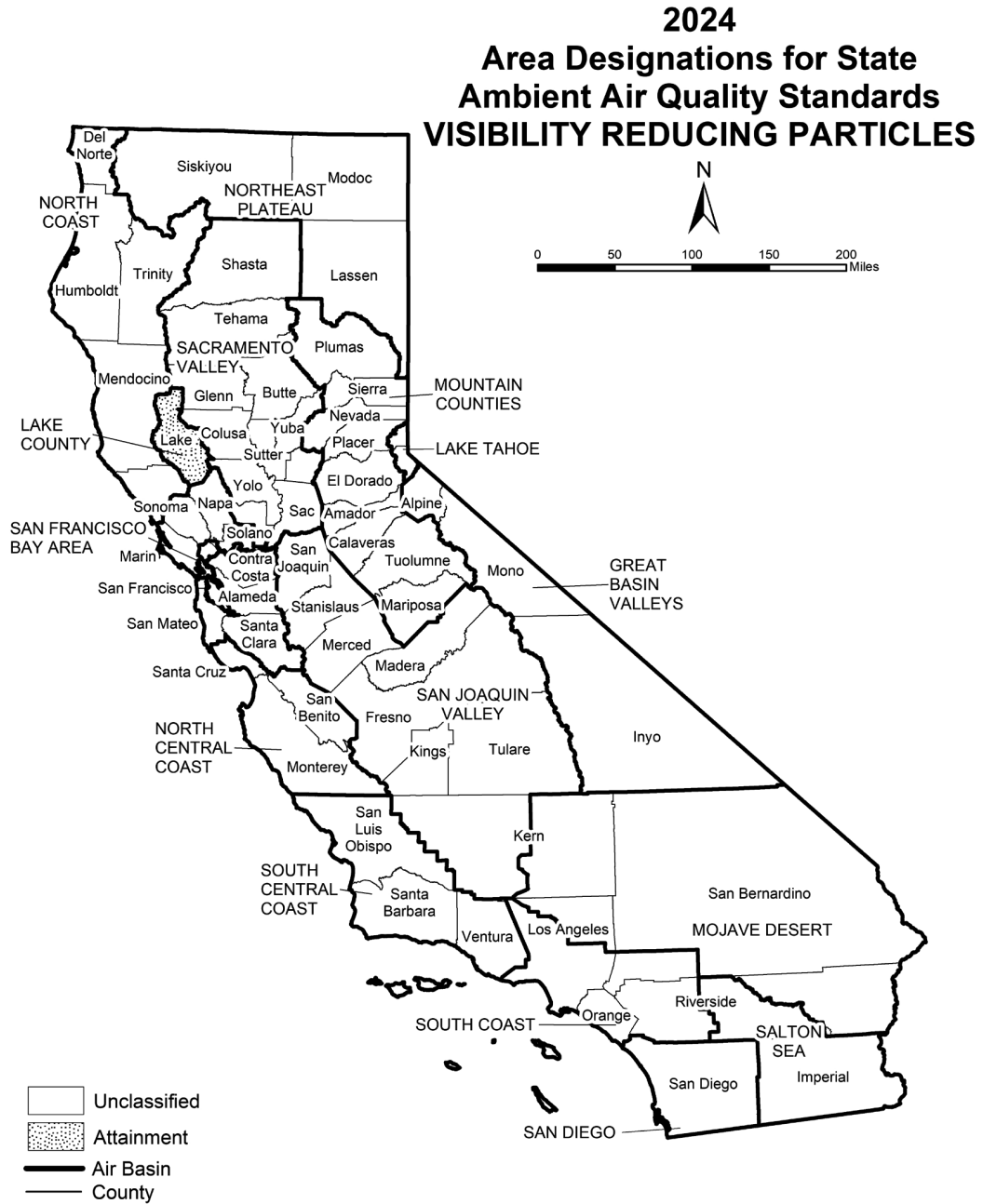


Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 10
California Ambient Air Quality Standards Area Designations for
Visibility Reducing Particles

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	U
MOJAVE DESERT AIR BASIN	U
MOUNTAIN COUNTIES AIR BASIN	U
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	U
SALTON SEA AIR BASIN	U
SAN DIEGO AIR BASIN	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	U
SOUTH CENTRAL COAST AIR BASIN	U
SOUTH COAST AIR BASIN	U

Figure 10



Last Updated: November 2024
 Air Quality Planning and Science Division, CARB

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. These maps reflect all current national standards. For example, the map for Fine Suspended Particulate Matter (PM_{2.5}) reflects both the annual and the 24-hour standard. Additional information about the federal area designations is available on the U.S. EPA website: *Nonattainment Areas for Criteria Pollutants (Green Book)*

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website: *Criteria Air Pollutants*

On February 7, 2024, the U.S. EPA established a new national annual primary PM_{2.5} standard of 9.0 µg/m³. Area designations for this revised standard will be finalized in February 2026. Until that time, the current designation map will reflect the most previous 2012 annual average standard of 12.0 µg/m³ as well as the 24-hour standard of 35 µg/m³, last revised in 2006.

Designation Categories

Suspended Particulate Matter (PM₁₀). The U.S. EPA uses three categories to designate areas with respect to PM₁₀:

- Attainment (A)
- Nonattainment (N)
- Unclassifiable (U)

Ozone, Fine Suspended Particulate Matter (PM_{2.5}), Carbon Monoxide (CO), Nitrogen Dioxide (NO₂), and Lead. The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment (N)
- Unclassifiable/Attainment (U/A)

Sulfur Dioxide (SO₂). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency,

the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at: *Title 40 SECTION 81.305*.

Table 11
National Ambient Air Quality Standards Area Designations for
8-Hour Ozone*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	
Amador County	N
Calaveras County	N
El Dorado County (portion) ⁶	N
Mariposa County	N
Nevada County	
- Western Nevada County	N
- Remainder of County	U/A
Placer County (portion) ⁶	N
Plumas County	U/A
Sierra County	U/A
Tuolumne County	N
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	
Butte County	N
Colusa County	U/A
Glenn County	U/A
Sacramento Metro Area ⁶	N
Shasta County	U/A
Sutter County	
- Sutter Buttes	N
- Southern portion of Sutter County ⁶	N
- Remainder of Sutter County	U/A
Tehama County	
- Tuscan Buttes	N
- Remainder of Tehama County	U/A

Area	Designations
SACRAMENTO VALLEY AIR BASIN (cont.)	
Yolo County ⁶	N
Yuba County	U/A
SAN DIEGO COUNTY	N
SAN FRANCISCO BAY AREA AIR BASIN	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN ⁷	
San Luis Obispo County	
- Eastern San Luis Obispo County	N
- Remainder of County	U/A
Santa Barbara County	U/A
Ventura County	
- Area Excluding Anacapa and San Nicolas Islands	N
- Channel Islands ⁷	U/A
SOUTH COAST AIR BASIN ⁷	N
SOUTHEAST DESERT AIR BASIN	
Kern County (portion)	N
- Indian Wells Valley	U/A
Imperial County	N
Los Angeles County (portion)	N
Riverside County (portion)	
- Coachella Valley	N
- Non-AQMA portion	U/A
San Bernardino County	
- Western portion (AQMA)	N
- Eastern portion (non-AQMA)	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and Table reflect the 2015 8-hour ozone standard of 0.070 ppm.

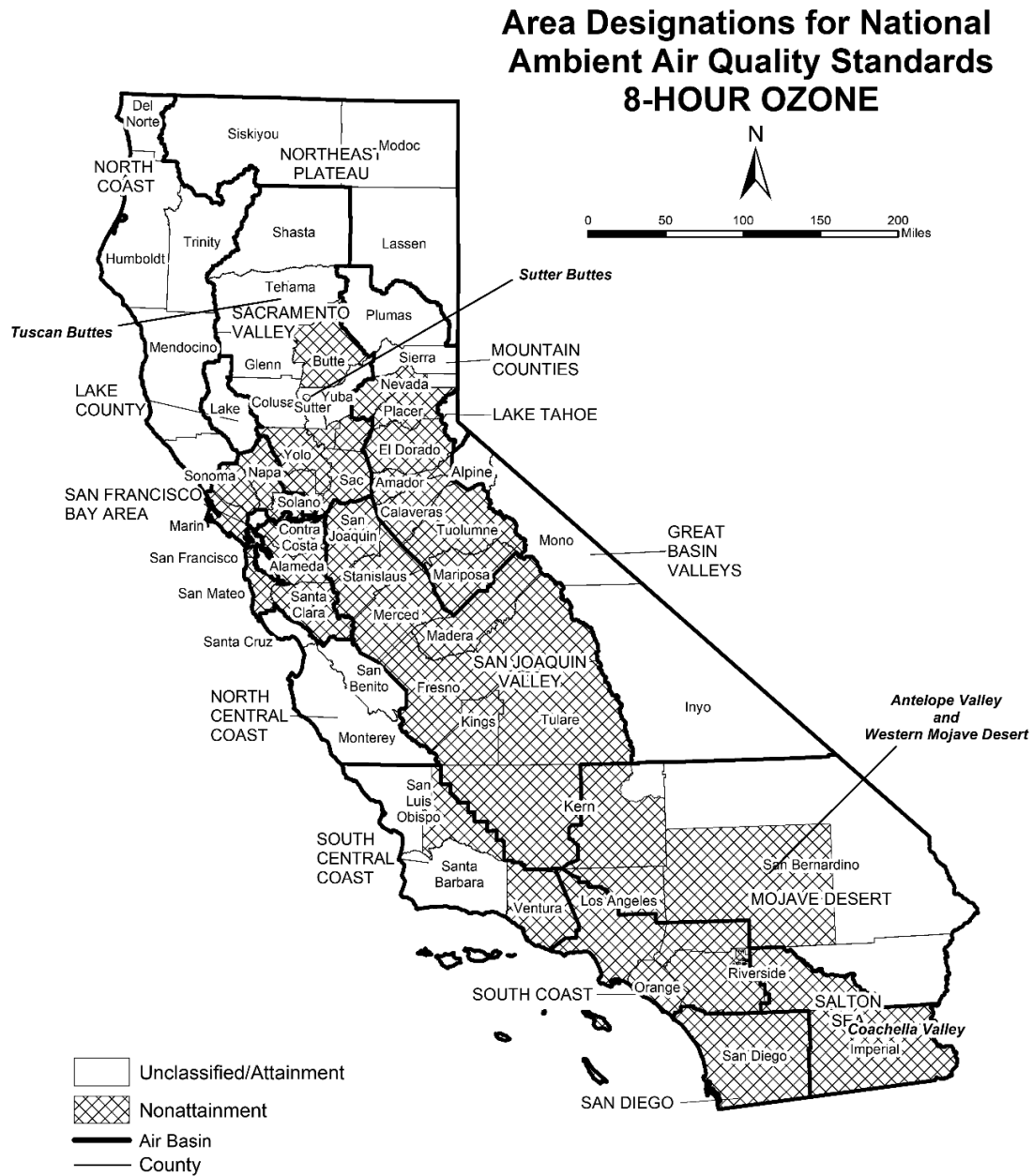
⁶ For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

⁷ South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands. Ventura County includes Anacapa and San Nicolas Islands.

South Coast Air Basin:
Los Angeles County includes San Clemente and Santa Catalina Islands.

Figure 11



Last Updated: November 2023
 Map reflects the 2015 8-hour ozone standard of 0.070 ppm
 Air Quality Planning and Science Division, CARB

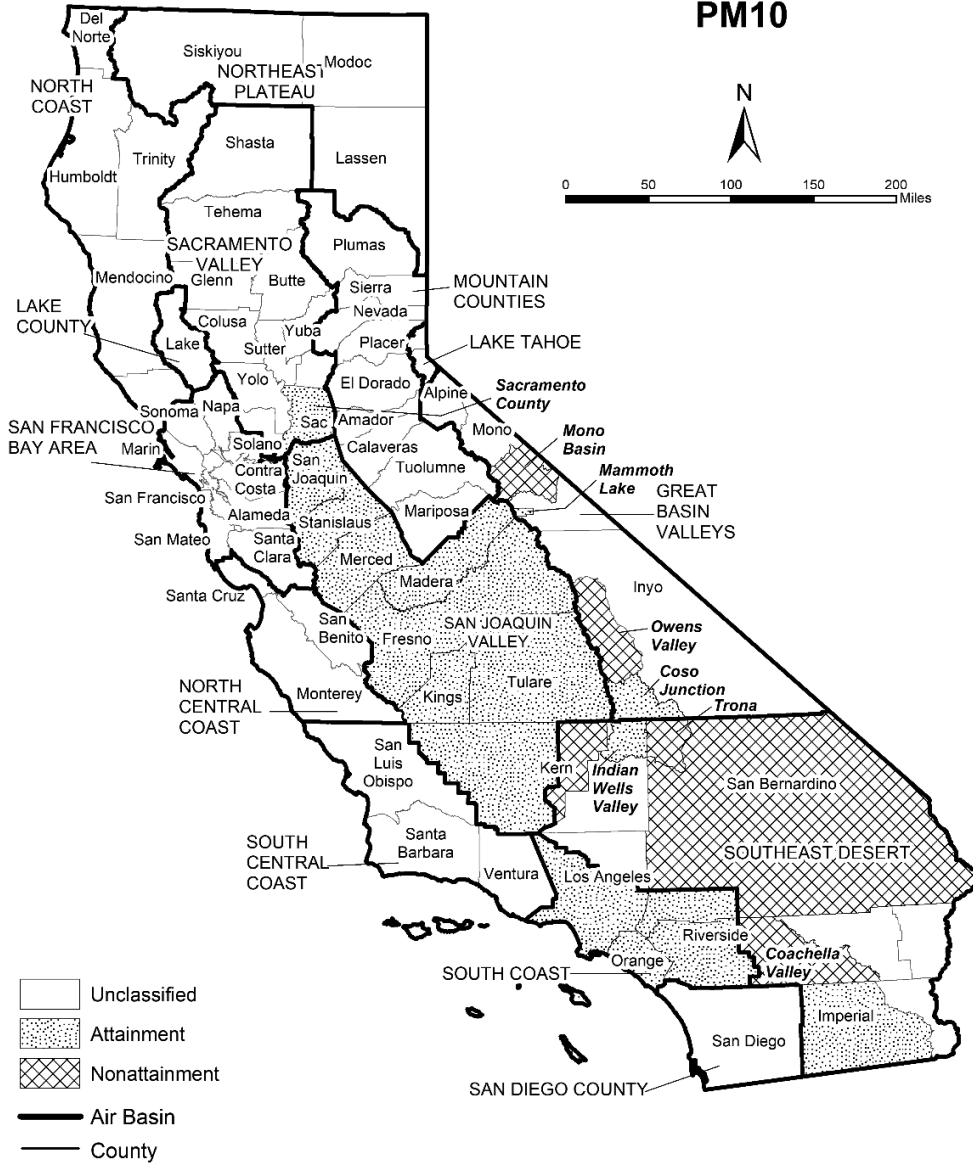
Table 12 National Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM₁₀)*

Area	Designations	Area	Designations
GREAT BASIN VALLEYS AIR BASIN		SAN FRANCISCO BAY AREA AIR BASIN	U
Alpine County	U	SAN JOAQUIN VALLEY AIR BASIN	A
Inyo County		SOUTH CENTRAL COAST AIR BASIN	U
- Owens Valley Planning Area	N	SOUTH COAST AIR BASIN	A
- Coso Junction	A	SOUTHEAST DESERT AIR BASIN	
- Remainder of County	U	Eastern Kern County	
Mono County		- Indian Wells Valley	A
- Mammoth Lake Planning Area	A	- Portion within San Joaquin Valley Planning Area	N
- Mono Lake Basin	N	- Remainder of County	U
- Remainder of County	U	Imperial County	
LAKE COUNTY AIR BASIN	U	- Imperial Valley Planning Area	A
LAKE TAHOE AIR BASIN	U	- Remainder of County	U
MOUNTAIN COUNTIES AIR BASIN	U	Los Angeles County (portion)	U
NORTH CENTRAL COAST AIR BASIN	U	Riverside County (portion)	
NORTH COAST AIR BASIN	U	- Coachella Valley	N
NORTHEAST PLATEAU AIR BASIN	U	- Non-AQMA portion	U
SACRAMENTO VALLEY AIR BASIN		San Bernardino County	
Sacramento County	A	- Trona	N
Remainder of Air Basin	U	- Remainder of County	N
SAN DIEGO COUNTY	U		

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 12

Area Designations for National Ambient Air Quality Standards PM₁₀



Last Updated: November 2023
Air Quality Planning and Science Division

Table 13**National Ambient Air Quality Standards Area Designations for Fine Particulate Matter (PM_{2.5})**

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	
Plumas County	
- Portola Valley Portion of Plumas County	N
- Remainder of Plumas County	U/A
Remainder of Air Basin	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	
Sacramento Metro Area ⁸	N
Remainder of Air Basin	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN ⁹	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN ¹⁰	N
SOUTHEAST DESERT AIR BASIN	
Imperial County (portion) ¹¹	N
Remainder of Air Basin	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map reflects the 2006 24-hour PM_{2.5} standard as well as the 1997 and 2012 PM_{2.5} annual standards.

⁸ For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

⁹ Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

¹⁰ Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

¹¹ That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

Figure 13



Last Updated: November 2023
Air Quality Planning and Science Division

Table 14
National Ambient Air Quality Standards Area Designations for
Carbon Monoxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 14

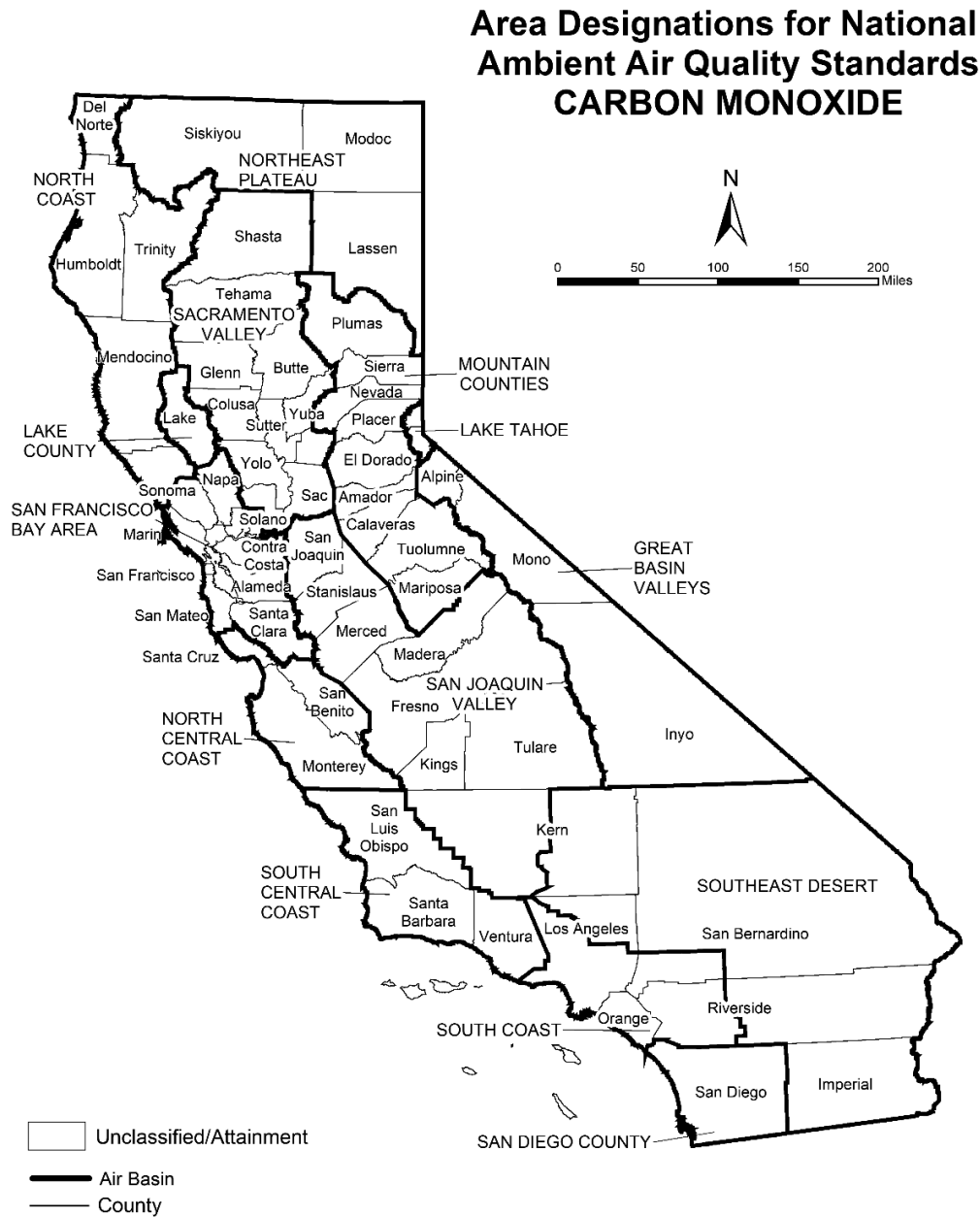


Table 15
National Ambient Air Quality Standards Area Designations for
Nitrogen Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 15



Last Updated: November 2023
Air Quality Planning and Science Division

Table 16
National Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN ¹²	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO₂ standard of 75 ppb.

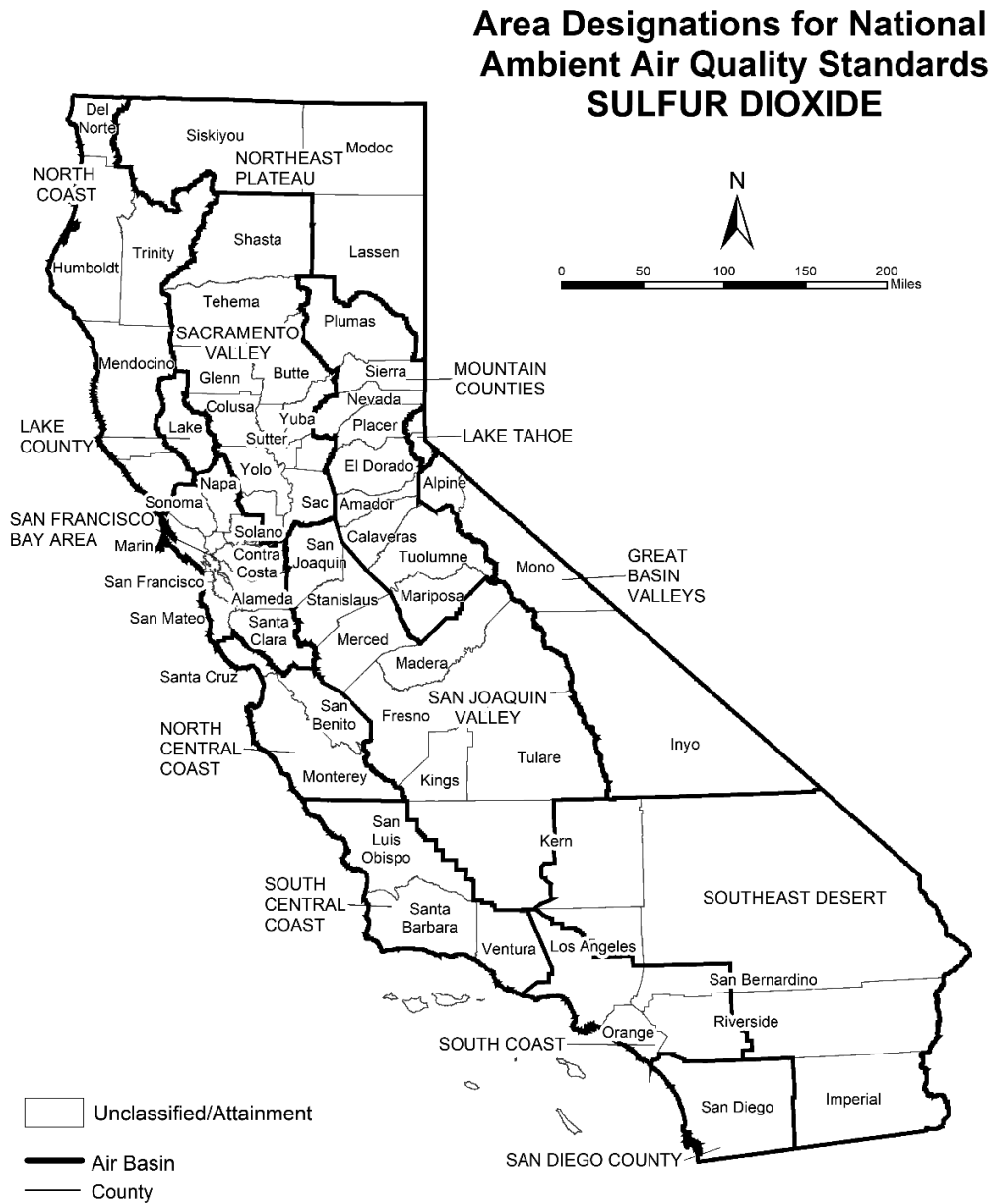
¹² South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

Figure 16



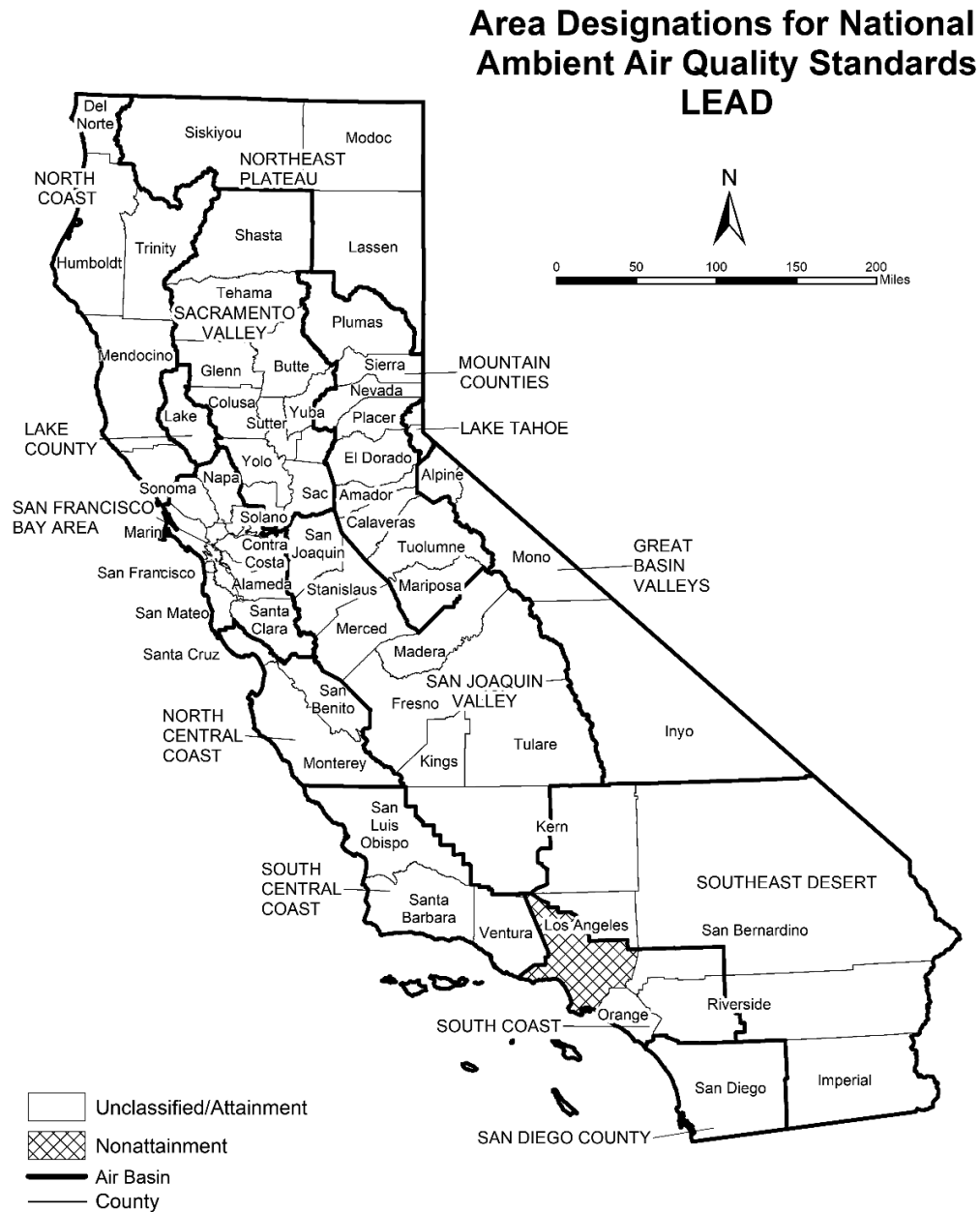
Last Updated: November 2023
Air Quality Planning and Science Division

Table 17
National Ambient Air Quality Standards Area Designations for
Lead (particulate)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	
Los Angeles County (portion) ¹³	N
Remainder of Air Basin	U/A
SOUTHEAST DESERT AIR BASIN	U/A

¹³ Portion of County in Air Basin, not including Channel Islands

Figure 17



Last Updated: November 2023
Air Quality Planning and Science Division

This page intentionally left blank

APPENDIX 3.1:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS

16098 Adelanto Industrial Park Construction Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year
 - 2.2.1. Total Construction Emissions by Year, Unmitigated
 - 2.2.2. Onsite Construction Emissions by Year, Unmitigated
 - 2.2.3. Offsite Construction Emissions by Year, Unmitigated
 - 2.2.4. Total Construction Emissions by Year, Mitigated
 - 2.2.5. Onsite Construction Emissions by Year, Mitigated
 - 2.2.6. Offsite Construction Emissions by Year, Mitigated
- 3. Construction Emissions Details
 - 3.1. Site Preparation (2027)
 - 3.1.1. Onsite - Unmitigated
 - 3.1.2. Offsite - Unmitigated
 - 3.1.3. Onsite - Mitigated

3.1.4. Offsite - Mitigated

3.2. Grading (2027)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.2.3. Onsite - Mitigated

3.2.4. Offsite - Mitigated

3.3. Grading (2028)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.3.3. Onsite - Mitigated

3.3.4. Offsite - Mitigated

3.4. Building Construction (2028)

3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.4.3. Onsite - Mitigated

3.4.4. Offsite - Mitigated

3.5. Building Construction (2029)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.5.3. Onsite - Mitigated

3.5.4. Offsite - Mitigated

3.6. Building Construction (2030)

3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

3.6.3. Onsite - Mitigated

3.6.4. Offsite - Mitigated

3.7. Paving (2029)

3.7.1. Onsite - Unmitigated

3.7.2. Offsite - Unmitigated

3.7.3. Onsite - Mitigated

3.7.4. Offsite - Mitigated

3.8. Paving (2030)

3.8.1. Onsite - Unmitigated

3.8.2. Offsite - Unmitigated

3.8.3. Onsite - Mitigated

3.8.4. Offsite - Mitigated

3.9. Architectural Coating (2029)

3.9.1. Onsite - Unmitigated

3.9.2. Offsite - Unmitigated

3.9.3. Onsite - Mitigated

3.9.4. Offsite - Mitigated

3.10. Architectural Coating (2030)

3.10.1. Onsite - Unmitigated

3.10.2. Offsite - Unmitigated

3.10.3. Onsite - Mitigated

3.10.4. Offsite - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

- 7.3. Overall Health & Equity Scores
- 7.4. Health & Equity Measures
- 7.5. Evaluation Scorecard
- 7.6. Health & Equity Custom Measures
- 8. User Changes to Default Data
 - 8.1. Justifications
 - 8.3. Land Use
 - 8.4. Construction
 - 8.4.1. Construction Phases
 - 8.4.2. Off-Road Equipment
 - 8.4.6. Trips and VMT

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16098 Adelanto Industrial Park Construction
Construction Start Date	10/1/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80000
Precipitation (days)	1.40000
Location	34.569356461423084, -117.38595098004848
County	San Bernardino-Mojave Desert
City	Adelanto
Air District	Mojave Desert AQMD
Air Basin	Mojave Desert
TAZ	5104
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southwest Gas Corp.
App Version	2022.1.1.45

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	6,605.02	1000sqft	151.630	6,605,020	—	—	—	—
Refrigerated Warehouse-No Rail	1,651.25	1000sqft	37.9075	1,651,250	—	—	—	—
Parking Lot	7,647.00	Space	64.8700	0.00000	—	—	—	—
Other Asphalt Surfaces	196.590	Acre	196.590	0.00000	—	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	111.890	110.261	128.974	339.859	0.56631	4.03949	65.7130	67.4988	3.80291	15.8499	17.5377	—	103,523	103,523	1.15648	8.39327	216.762	105,800

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Mit.	38.9974	38.1986	77.3720	344.945	0.56625	1.46478	65.7130	66.6096	1.46478	15.8499	16.7342	—	103,523	103,523	1.15648	8.39321	216.762	105,800
% Reduced	65%	65%	40%	-1%	—	64%	—	1%	61%	—	5%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	109.961	106.549	137.858	254.578	0.56632	4.24042	65.7130	67.4988	3.98777	15.8499	17.5377	—	97,076.8	97,076.8	1.24932	8.77307	5.62444	99,144.5
Mit.	37.0685	34.4868	79.5487	259.664	0.56626	1.46478	65.7130	66.6096	1.46478	15.8499	16.7342	—	97,076.8	97,076.8	1.24932	8.77301	5.62444	99,144.5
% Reduced	66%	68%	42%	-2%	—	65%	—	1%	63%	—	5%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	77.9246	75.7089	93.6388	188.775	0.40144	2.83675	46.8968	48.1136	2.67101	11.3111	12.4626	—	68,971.9	68,971.9	0.85421	5.97834	65.6824	70,502.5
Mit.	25.9842	24.3405	55.8762	192.104	0.40139	1.03585	46.8968	47.5362	1.03560	11.3111	11.9419	—	68,971.9	68,971.9	0.85421	5.97830	65.6824	70,502.5
% Reduced	67%	68%	40%	-2%	—	63%	—	1%	61%	—	4%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.2212	13.8169	17.0891	34.4515	0.07326	0.51771	8.55866	8.78073	0.48746	2.06427	2.27443	—	11,419.1	11,419.1	0.14142	0.98978	10.8745	11,672.5
Mit.	4.74211	4.44214	10.1974	35.0590	0.07325	0.18904	8.55866	8.67536	0.18900	2.06427	2.17939	—	11,419.1	11,419.1	0.14142	0.98978	10.8745	11,672.5
% Reduced	67%	68%	40%	-2%	< 0.5%	63%	—	1%	61%	—	4%	—	—	—	—	< 0.5%	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	11.6591	9.90030	128.974	89.3034	0.56631	4.03949	30.7641	34.8036	3.80291	7.33795	11.1409	—	72,887.6	72,887.6	0.88471	8.39327	98.2414	75,509.2
2029	111.890	110.261	94.4703	339.859	0.41196	1.78576	65.7130	67.4988	1.68777	15.8499	17.5377	—	103,523	103,523	1.15648	6.81495	216.762	105,800
2030	110.635	107.598	90.8995	320.015	0.41196	1.70356	65.7130	67.4166	1.61214	15.8499	17.4620	—	101,457	101,457	1.06364	6.78746	192.131	103,698
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	11.8143	10.0075	137.858	89.4349	0.56632	4.24042	30.7641	35.0045	3.98777	6.97719	10.9650	—	74,276.5	74,276.5	0.88675	8.77307	2.76445	76,915.8
2028	17.8623	16.7395	132.295	194.331	0.56631	4.03949	55.9944	57.1465	3.80291	13.5719	14.6767	—	83,762.5	83,762.5	0.88570	8.39327	5.55626	85,784.2
2029	109.961	106.549	96.6470	254.578	0.41196	1.78576	65.7130	67.4988	1.68777	15.8499	17.5377	—	97,076.8	97,076.8	1.24932	6.81495	5.62444	99,144.5
2030	108.854	105.752	94.6336	241.233	0.41196	1.70356	65.7130	67.4166	1.61214	15.8499	17.4620	—	95,136.6	95,136.6	1.15648	6.81495	4.99037	97,201.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.42419	1.20062	13.7300	10.2033	0.04404	0.49782	3.08939	3.58720	0.46338	0.98981	1.45319	—	5,581.35	5,581.35	0.08959	0.55989	3.05457	5,753.49
2028	8.41312	7.17740	93.6388	65.9610	0.40144	2.83675	22.5197	25.3565	2.67101	5.37560	8.04661	—	52,419.2	52,419.2	0.63401	5.97834	31.2774	54,247.9
2029	69.4419	68.2902	67.2012	188.775	0.28835	1.20765	45.9277	47.1353	1.14308	11.0839	12.2270	—	68,843.4	68,843.4	0.85421	4.82763	65.6824	70,369.0
2030	77.9246	75.7089	67.6033	186.556	0.29426	1.21683	46.8968	48.1136	1.15153	11.3111	12.4626	—	68,971.9	68,971.9	0.82606	4.86782	59.3220	70,502.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.25991	0.21911	2.50572	1.86210	0.00804	0.09085	0.56381	0.65466	0.08457	0.18064	0.26521	—	924.055	924.055	0.01483	0.09270	0.50572	952.555

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
2028	1.53539	1.30988	17.0891	12.0379	0.07326	0.51771	4.10985	4.62756	0.48746	0.98105	1.46851	—	8,678.60	8,678.60	0.10497	0.98978	5.17833	8,981.36
2029	12.6731	12.4630	12.2642	34.4515	0.05262	0.22040	8.38180	8.60220	0.20861	2.02282	2.23143	—	11,397.8	11,397.8	0.14142	0.79927	10.8745	11,650.4
2030	14.2212	13.8169	12.3376	34.0465	0.05370	0.22207	8.55866	8.78073	0.21015	2.06427	2.27443	—	11,419.1	11,419.1	0.13676	0.80592	9.82143	11,672.5

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	10.0875	8.47630	70.2479	73.0059	0.18752	2.95722	15.3676	18.3248	2.72064	3.04705	5.76769	—	20,304.7	20,304.7	0.82365	0.16473	0.00000	20,374.4
2029	92.5515	91.6196	44.7686	65.2860	0.10405	1.22493	0.00000	1.22493	1.12694	0.00000	1.12694	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
2030	92.3750	91.4719	44.0797	65.1453	0.10406	1.14273	0.00000	1.14273	1.05131	0.00000	1.05131	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	10.3819	8.72364	74.6178	73.5899	0.18752	3.15815	15.3676	18.5257	2.90550	4.51170	6.38647	—	20,306.2	20,306.2	0.82371	0.16474	0.00000	20,375.9
2028	10.0875	8.47630	70.2479	73.0059	0.18752	2.95722	15.3676	18.3248	2.72064	3.04705	5.76769	—	20,304.7	20,304.7	0.82365	0.16473	0.00000	20,374.4
2029	92.5515	91.6196	44.7686	65.2860	0.10405	1.22493	0.00000	1.22493	1.12694	0.00000	1.12694	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
2030	92.3750	91.4719	44.0797	65.1453	0.10406	1.14273	0.00000	1.14273	1.05131	0.00000	1.05131	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.31253	1.10289	9.70661	9.01644	0.01928	0.43046	2.07527	2.50574	0.39603	0.72916	1.12519	—	2,088.45	2,088.45	0.08472	0.01694	0.00000	2,095.62
2028	7.07773	5.94691	49.3043	51.3494	0.13152	2.07179	10.7062	12.7780	1.90604	2.12280	4.02884	—	14,229.2	14,229.2	0.57720	0.11544	0.00000	14,278.0

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
2029	57.1196	56.5055	29.3161	42.6008	0.06842	0.80706	0.00000	0.80706	0.74249	0.00000	0.74249	—	6,850.12	6,850.12	0.27787	0.05557	0.00000	6,873.63
2030	65.9821	65.3371	31.4855	46.5324	0.07433	0.81624	0.00000	0.81624	0.75094	0.00000	0.75094	—	7,468.25	7,468.25	0.30294	0.06059	0.00000	7,493.88
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.23954	0.20128	1.77146	1.64550	0.00352	0.07856	0.37874	0.45730	0.07227	0.13307	0.20535	—	345.766	345.766	0.01403	0.00281	0.00000	346.953
2028	1.29169	1.08531	8.99803	9.37127	0.02400	0.37810	1.95388	2.33198	0.34785	0.38741	0.73526	—	2,355.80	2,355.80	0.09556	0.01911	0.00000	2,363.89
2029	10.4243	10.3123	5.35018	7.77464	0.01249	0.14729	0.00000	0.14729	0.13550	0.00000	0.13550	—	1,134.12	1,134.12	0.04600	0.00920	0.00000	1,138.01
2030	12.0417	11.9240	5.74611	8.49216	0.01356	0.14896	0.00000	0.14896	0.13705	0.00000	0.13705	—	1,236.45	1,236.45	0.05016	0.01003	0.00000	1,240.70

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.57159	1.42400	58.7261	16.2976	0.37879	1.08227	15.3965	16.4788	1.08227	4.29090	5.37317	—	52,582.9	52,582.9	0.06106	8.22854	98.2414	55,134.8
2029	19.3380	18.6416	49.7017	274.573	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	93,067.7	93,067.7	0.73236	6.73013	216.762	95,308.3
2030	18.2599	16.1263	46.8197	254.870	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	91,001.1	91,001.1	0.63952	6.70263	192.131	93,206.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.43243	1.28384	63.2401	15.8450	0.37879	1.08227	15.3965	16.4788	1.08227	3.93014	5.01241	—	53,970.3	53,970.3	0.06304	8.60832	2.76445	56,540.0
2028	15.3052	14.6090	62.0473	169.383	0.37879	1.08227	55.9944	56.5553	1.08227	13.5719	14.1327	—	79,499.4	79,499.4	0.69406	8.22854	5.55626	81,506.4
2029	17.4091	14.9298	51.8784	189.292	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	86,621.2	86,621.2	0.82520	6.73013	5.62444	88,653.1
2030	16.4788	14.2799	50.5539	176.088	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	84,681.0	84,681.0	0.73236	6.73013	4.99037	86,709.9

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.11166	0.09774	4.02335	1.18687	0.02475	0.06735	1.01411	1.08147	0.06735	0.26065	0.32801	—	3,492.90	3,492.90	0.00488	0.54294	3.05457	3,657.87
2028	1.33539	1.23050	44.3346	14.6115	0.26992	0.76496	11.8136	12.5785	0.76496	3.25281	4.01777	—	38,190.1	38,190.1	0.05681	5.86290	31.2774	39,969.9
2029	12.3223	11.7847	37.8851	146.175	0.21993	0.40059	45.9277	46.3283	0.40059	11.0839	11.4845	—	61,993.2	61,993.2	0.57634	4.77206	65.6824	63,495.4
2030	11.9425	10.3718	36.1178	140.024	0.21993	0.40059	46.8968	47.2974	0.40059	11.3111	11.7117	—	61,503.6	61,503.6	0.52311	4.80723	59.3220	63,008.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02038	0.01784	0.73426	0.21660	0.00452	0.01229	0.18508	0.19737	0.01229	0.04757	0.05986	—	578.289	578.289	0.00081	0.08989	0.50572	605.602
2028	0.24371	0.22457	8.09106	2.66660	0.04926	0.13961	2.15597	2.29558	0.13961	0.59364	0.73324	—	6,322.80	6,322.80	0.00941	0.97067	5.17833	6,617.47
2029	2.24882	2.15071	6.91403	26.6768	0.04014	0.07311	8.38180	8.45491	0.07311	2.02282	2.09593	—	10,263.7	10,263.7	0.09542	0.79007	10.8745	10,512.4
2030	2.17950	1.89286	6.59150	25.5543	0.04014	0.07311	8.55866	8.63177	0.07311	2.06427	2.13738	—	10,182.6	10,182.6	0.08661	0.79589	9.82143	10,431.8

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.52277	3.37517	71.0745	121.005	0.56625	1.46478	30.7641	32.2289	1.46478	7.33795	8.80273	—	72,880.4	72,880.4	0.88441	8.39321	98.2414	75,502.0
2029	38.9974	38.1986	77.3720	344.945	0.41196	0.89657	65.7130	66.6096	0.88431	15.8499	16.7342	—	103,523	103,523	1.15648	6.81495	216.762	105,800
2030	37.9183	35.6825	74.4816	325.240	0.41196	0.89524	65.7130	66.6083	0.88309	15.8499	16.7330	—	101,457	101,457	1.06364	6.78746	192.131	103,698

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.38360	3.23502	75.5886	120.552	0.56626	1.46478	30.7641	32.2289	1.46478	6.97719	8.44197	—	74,269.5	74,269.5	0.88646	8.77301	2.76445	76,908.8
2028	16.3044	15.5054	74.3958	196.315	0.56625	1.46478	55.9944	56.7799	1.46478	13.5719	14.3450	—	83,762.5	83,762.5	0.88541	8.39321	5.55626	85,784.2
2029	37.0685	34.4868	79.5487	259.664	0.41196	0.89657	65.7130	66.6096	0.88431	15.8499	16.7342	—	97,076.8	97,076.8	1.24932	6.81495	5.62444	99,144.5
2030	36.1372	33.8360	78.2157	246.458	0.41196	0.89524	65.7130	66.6083	0.88309	15.8499	16.7330	—	95,136.6	95,136.6	1.15648	6.81495	4.99037	97,201.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.31033	0.29640	5.18141	11.8808	0.04403	0.10665	3.08939	3.19604	0.10665	0.98981	1.09646	—	5,580.95	5,580.95	0.08958	0.55988	3.05457	5,753.09
2028	2.71427	2.60737	53.1207	88.0854	0.40139	1.03585	22.5197	23.5556	1.03560	5.37560	6.41121	—	52,414.2	52,414.2	0.63381	5.97830	31.2774	54,242.9
2029	24.5022	23.8915	55.8218	192.104	0.28835	0.62916	45.9277	46.5568	0.62040	11.0839	11.7043	—	68,843.4	68,843.4	0.85421	4.82763	65.6824	70,369.0
2030	25.9842	24.3405	55.8762	190.288	0.29426	0.63946	46.8968	47.5362	0.63078	11.3111	11.9419	—	68,971.9	68,971.9	0.82606	4.86782	59.3220	70,502.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.05663	0.05409	0.94561	2.16824	0.00804	0.01946	0.56381	0.58328	0.01946	0.18064	0.20010	—	923.989	923.989	0.01483	0.09270	0.50572	952.489
2028	0.49535	0.47585	9.69454	16.0756	0.07325	0.18904	4.10985	4.29889	0.18900	0.98105	1.17005	—	8,677.77	8,677.77	0.10493	0.98978	5.17833	8,980.53
2029	4.47166	4.36020	10.1875	35.0590	0.05262	0.11482	8.38180	8.49662	0.11322	2.02282	2.13604	—	11,397.8	11,397.8	0.14142	0.79927	10.8745	11,650.4
2030	4.74211	4.44214	10.1974	34.7276	0.05370	0.11670	8.55866	8.67536	0.11512	2.06427	2.17939	—	11,419.1	11,419.1	0.13676	0.80592	9.82143	11,672.5

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.95118	1.95118	12.3485	104.707	0.18745	0.38251	15.3676	15.7501	0.38251	3.04705	3.42956	—	20,297.5	20,297.5	0.82336	0.16467	0.00000	20,367.2
2029	19.6595	19.5570	27.6703	70.3720	0.10405	0.33574	0.00000	0.33574	0.32348	0.00000	0.32348	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
2030	19.6584	19.5561	27.6618	70.3700	0.10406	0.33441	0.00000	0.33441	0.32226	0.00000	0.32226	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.95118	1.95118	12.3485	104.707	0.18746	0.38251	15.3676	15.7501	0.38251	4.51170	4.65435	—	20,299.1	20,299.1	0.82342	0.16468	0.00000	20,368.8
2028	1.95118	1.95118	12.3485	104.707	0.18745	0.38251	15.3676	15.7501	0.38251	3.04705	3.42956	—	20,297.5	20,297.5	0.82336	0.16467	0.00000	20,367.2
2029	19.6595	19.5570	27.6703	70.3720	0.10405	0.33574	0.00000	0.33574	0.32348	0.00000	0.32348	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
2030	19.6584	19.5561	27.6618	70.3700	0.10406	0.33441	0.00000	0.33441	0.32226	0.00000	0.32226	—	10,455.5	10,455.5	0.42412	0.08482	0.00000	10,491.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.19867	0.19867	1.15806	10.6939	0.01928	0.03930	2.07527	2.11457	0.03930	0.72916	0.76846	—	2,088.05	2,088.05	0.08470	0.01694	0.00000	2,095.22
2028	1.37889	1.37687	8.78617	73.4739	0.13147	0.27088	10.7062	10.9771	0.27064	2.12280	2.39344	—	14,224.2	14,224.2	0.57699	0.11540	0.00000	14,273.0
2029	12.1799	12.1068	17.9367	45.9299	0.06842	0.22857	0.00000	0.22857	0.21981	0.00000	0.21981	—	6,850.12	6,850.12	0.27787	0.05557	0.00000	6,873.63
2030	14.0417	13.9687	19.7585	50.2643	0.07433	0.23886	0.00000	0.23886	0.23018	0.00000	0.23018	—	7,468.25	7,468.25	0.30294	0.06059	0.00000	7,493.88
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03626	0.03626	0.21135	1.95164	0.00352	0.00717	0.37874	0.38591	0.00717	0.13307	0.14024	—	345.700	345.700	0.01402	0.00280	0.00000	346.887
2028	0.25165	0.25128	1.60348	13.4090	0.02399	0.04944	1.95388	2.00331	0.04939	0.38741	0.43680	—	2,354.97	2,354.97	0.09553	0.01911	0.00000	2,363.05
2029	2.22284	2.20948	3.27345	8.38220	0.01249	0.04171	0.00000	0.04171	0.04012	0.00000	0.04012	—	1,134.12	1,134.12	0.04600	0.00920	0.00000	1,138.01
2030	2.56261	2.54928	3.60592	9.17323	0.01356	0.04359	0.00000	0.04359	0.04201	0.00000	0.04201	—	1,236.45	1,236.45	0.05016	0.01003	0.00000	1,240.70

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.57159	1.42400	58.7261	16.2976	0.37879	1.08227	15.3965	16.4788	1.08227	4.29090	5.37317	—	52,582.9	52,582.9	0.06106	8.22854	98.2414	55,134.8
2029	19.3380	18.6416	49.7017	274.573	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	93,067.7	93,067.7	0.73236	6.73013	216.762	95,308.3
2030	18.2599	16.1263	46.8197	254.870	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	91,001.1	91,001.1	0.63952	6.70263	192.131	93,206.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.43243	1.28384	63.2401	15.8450	0.37879	1.08227	15.3965	16.4788	1.08227	3.93014	5.01241	—	53,970.3	53,970.3	0.06304	8.60832	2.76445	56,540.0
2028	15.3052	14.6090	62.0473	169.383	0.37879	1.08227	55.9944	56.5553	1.08227	13.5719	14.1327	—	79,499.4	79,499.4	0.69406	8.22854	5.55626	81,506.4
2029	17.4091	14.9298	51.8784	189.292	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	86,621.2	86,621.2	0.82520	6.73013	5.62444	88,653.1
2030	16.4788	14.2799	50.5539	176.088	0.30791	0.56083	65.7130	66.2739	0.56083	15.8499	16.4107	—	84,681.0	84,681.0	0.73236	6.73013	4.99037	86,709.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.11166	0.09774	4.02335	1.18687	0.02475	0.06735	1.01411	1.08147	0.06735	0.26065	0.32801	—	3,492.90	3,492.90	0.00488	0.54294	3.05457	3,657.87
2028	1.33539	1.23050	44.3346	14.6115	0.26992	0.76496	11.8136	12.5785	0.76496	3.25281	4.01777	—	38,190.1	38,190.1	0.05681	5.86290	31.2774	39,969.9
2029	12.3223	11.7847	37.8851	146.175	0.21993	0.40059	45.9277	46.3283	0.40059	11.0839	11.4845	—	61,993.2	61,993.2	0.57634	4.77206	65.6824	63,495.4
2030	11.9425	10.3718	36.1178	140.024	0.21993	0.40059	46.8968	47.2974	0.40059	11.3111	11.7117	—	61,503.6	61,503.6	0.52311	4.80723	59.3220	63,008.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02038	0.01784	0.73426	0.21660	0.00452	0.01229	0.18508	0.19737	0.01229	0.04757	0.05986	—	578.289	578.289	0.00081	0.08989	0.50572	605.602
2028	0.24371	0.22457	8.09106	2.66660	0.04926	0.13961	2.15597	2.29558	0.13961	0.59364	0.73324	—	6,322.80	6,322.80	0.00941	0.97067	5.17833	6,617.47

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
2029	2.24882	2.15071	6.91403	26.6768	0.04014	0.07311	8.38180	8.45491	0.07311	2.02282	2.09593	—	10,263.7	10,263.7	0.09542	0.79007	10.8745	10,512.4
2030	2.17950	1.89286	6.59150	25.5543	0.04014	0.07311	8.55866	8.63177	0.07311	2.06427	2.13738	—	10,182.6	10,182.6	0.08661	0.79589	9.82143	10,431.8

3. Construction Emissions Details

3.1. Site Preparation (2027)

3.1.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.86711	4.93001	44.3835	39.2586	0.07007	2.03779	—	2.03779	1.87476	—	1.87476	—	7,592.35	7,592.35	0.30798	0.06160	—	7,618.41
Dust From Material Movement	—	—	—	—	—	—	9.75882	9.75882	—	4.51170	4.51170	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72334	0.60781	5.47194	4.84010	0.00864	0.25123	—	0.25123	0.23114	—	0.23114	—	936.043	936.043	0.03797	0.00759	—	939.256
Dust From Material Movement	—	—	—	—	—	—	1.20314	1.20314	—	0.55624	0.55624	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13201	0.11093	0.99863	0.88332	0.00158	0.04585	—	0.04585	0.04218	—	0.04218	—	154.973	154.973	0.00629	0.00126	—	155.504
Dust From Material Movement	—	—	—	—	—	—	0.21957	0.21957	—	0.10151	0.10151	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08006	0.07137	0.07697	0.83778	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	217.791	217.791	0.00347	0.00868	0.01980	220.484
Vendor	0.12833	0.09247	3.40490	1.39602	0.02642	0.04812	0.91548	0.96360	0.04812	0.25293	0.30105	—	3,272.45	3,272.45	0.00708	0.43263	0.19544	3,401.75
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00987	0.00880	0.01037	0.11558	0.00000	0.00000	0.02818	0.02818	0.00000	0.00660	0.00660	—	27.6400	27.6400	0.00043	0.00107	0.04077	28.0104
Vendor	0.01640	0.01198	0.41990	0.16979	0.00326	0.00593	0.11278	0.11872	0.00593	0.03116	0.03709	—	403.191	403.191	0.00087	0.05334	0.40087	419.509
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00180	0.00161	0.00189	0.02109	0.00000	0.00000	0.00514	0.00514	0.00000	0.00121	0.00121	—	4.57612	4.57612	0.00007	0.00018	0.00675	4.63744
Vendor	0.00299	0.00219	0.07663	0.03099	0.00059	0.00108	0.02058	0.02167	0.00108	0.00569	0.00677	—	66.7529	66.7529	0.00014	0.00883	0.06637	69.4545
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.3. Onsite - Mitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.71326	0.71326	3.70894	38.5409	0.07007	0.14265	—	0.14265	0.14265	—	0.14265	—	7,592.35	7,592.35	0.30798	0.06160	—	7,618.41
Dust From Material Movement	—	—	—	—	—	—	9.75882	9.75882	—	4.51170	4.51170	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08794	0.08794	0.45727	4.75162	0.00864	0.01759	—	0.01759	0.01759	—	0.01759	—	936.043	936.043	0.03797	0.00759	—	939.256
Dust From Material Movement	—	—	—	—	—	—	1.20314	1.20314	—	0.55624	0.55624	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01605	0.01605	0.08345	0.86717	0.00158	0.00321	—	0.00321	0.00321	—	0.00321	—	154.973	154.973	0.00629	0.00126	—	155.504
Dust From Material Movement	—	—	—	—	—	—	0.21957	0.21957	—	0.10151	0.10151	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08006	0.07137	0.07697	0.83778	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	217.791	217.791	0.00347	0.00868	0.01980	220.484
Vendor	0.12833	0.09247	3.40490	1.39602	0.02642	0.04812	0.91548	0.96360	0.04812	0.25293	0.30105	—	3,272.45	3,272.45	0.00708	0.43263	0.19544	3,401.75
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00987	0.00880	0.01037	0.11558	0.00000	0.00000	0.02818	0.02818	0.00000	0.00660	0.00660	—	27.6400	27.6400	0.00043	0.00107	0.04077	28.0104
Vendor	0.01640	0.01198	0.41990	0.16979	0.00326	0.00593	0.11278	0.11872	0.00593	0.03116	0.03709	—	403.191	403.191	0.00087	0.05334	0.40087	419.509
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00180	0.00161	0.00189	0.02109	0.00000	0.00000	0.00514	0.00514	0.00000	0.00121	0.00121	—	4.57612	4.57612	0.00007	0.00018	0.00675	4.63744
Vendor	0.00299	0.00219	0.07663	0.03099	0.00059	0.00108	0.02058	0.02167	0.00108	0.00569	0.00677	—	66.7529	66.7529	0.00014	0.00883	0.06637	69.4545
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2. Grading (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.3819	8.72364	74.6178	73.5899	0.18752	3.15815	—	3.15815	2.90550	—	2.90550	—	20,306.2	20,306.2	0.82371	0.16474	—	20,375.9
Dust From Material Movement	—	—	—	—	—	—	15.3676	15.3676	—	3.04705	3.04705	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58919	0.49508	4.23467	4.17634	0.01064	0.17923	—	0.17923	0.16489	—	0.16489	—	1,152.41	1,152.41	0.04675	0.00935	—	1,156.36
Dust From Material Movement	—	—	—	—	—	—	0.87213	0.87213	—	0.17292	0.17292	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10753	0.09035	0.77283	0.76218	0.00194	0.03271	—	0.03271	0.03009	—	0.03009	—	190.794	190.794	0.00774	0.00155	—	191.449
Dust From Material Movement	—	—	—	—	—	—	0.15916	0.15916	—	0.03156	0.03156	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20586	0.18353	0.19792	2.15430	0.00000	0.00000	0.58819	0.58819	0.00000	0.13787	0.13787	—	560.033	560.033	0.00893	0.02232	0.05092	566.959
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	1.22657	1.10031	63.0422	13.6907	0.37879	1.08227	14.8083	15.8906	1.08227	3.79227	4.87454	—	53,410.3	53,410.3	0.05411	8.58600	2.71354	55,973.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Worker	0.01168	0.01042	0.01227	0.13681	0.00000	0.00000	0.03335	0.03335	0.00000	0.00782	0.00782	—	32.7167	32.7167	0.00051	0.00127	0.04826	33.1552
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.07370	0.06654	3.58081	0.76468	0.02150	0.06142	0.83980	0.90122	0.06142	0.21507	0.27649	—	3,029.35	3,029.35	0.00307	0.48727	2.56467	3,177.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00213	0.00190	0.00224	0.02497	0.00000	0.00000	0.00609	0.00609	0.00000	0.00143	0.00143	—	5.41663	5.41663	0.00008	0.00021	0.00799	5.48922
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01345	0.01214	0.65350	0.13955	0.00392	0.01121	0.15326	0.16447	0.01121	0.03925	0.05046	—	501.543	501.543	0.00051	0.08067	0.42461	526.021

3.2.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95118	1.95118	12.3485	104.707	0.18746	0.38251	—	0.38251	0.38251	—	0.38251	—	20,299.1	20,299.1	0.82342	0.16468	—	20,368.8
Dust From Material Movement	—	—	—	—	—	—	15.3676	15.3676	—	3.04705	3.04705	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11073	0.11073	0.70079	5.94230	0.01064	0.02171	—	0.02171	0.02171	—	0.02171	—	1,152.01	1,152.01	0.04673	0.00935	—	1,155.96
Dust From Material Movement	—	—	—	—	—	—	0.87213	0.87213	—	0.17292	0.17292	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02021	0.02021	0.12789	1.08447	0.00194	0.00396	—	0.00396	0.00396	—	0.00396	—	190.728	190.728	0.00774	0.00155	—	191.382
Dust From Material Movement	—	—	—	—	—	—	0.15916	0.15916	—	0.03156	0.03156	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20586	0.18353	0.19792	2.15430	0.00000	0.00000	0.58819	0.58819	0.00000	0.13787	0.13787	—	560.033	560.033	0.00893	0.02232	0.05092	566.959
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	1.22657	1.10031	63.0422	13.6907	0.37879	1.08227	14.8083	15.8906	1.08227	3.79227	4.87454	—	53,410.3	53,410.3	0.05411	8.58600	2.71354	55,973.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01168	0.01042	0.01227	0.13681	0.00000	0.00000	0.03335	0.03335	0.00000	0.00782	0.00782	—	32.7167	32.7167	0.00051	0.00127	0.04826	33.1552
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.07370	0.06654	3.58081	0.76468	0.02150	0.06142	0.83980	0.90122	0.06142	0.21507	0.27649	—	3,029.35	3,029.35	0.00307	0.48727	2.56467	3,177.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00213	0.00190	0.00224	0.02497	0.00000	0.00000	0.00609	0.00609	0.00000	0.00143	0.00143	—	5.41663	5.41663	0.00008	0.00021	0.00799	5.48922
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01345	0.01214	0.65350	0.13955	0.00392	0.01121	0.15326	0.16447	0.01121	0.03925	0.05046	—	501.543	501.543	0.00051	0.08067	0.42461	526.021

3.3. Grading (2028)

3.3.1. Onsite - Unmitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	10.0875	8.47630	70.2479	73.0059	0.18752	2.95722	—	2.95722	2.72064	—	2.72064	—	20,304.7	20,304.7	0.82365	0.16473	—	20,374.4
Dust From Material Movement	—	—	—	—	—	—	15.3676	15.3676	—	3.04705	3.04705	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.0875	8.47630	70.2479	73.0059	0.18752	2.95722	—	2.95722	2.72064	—	2.72064	—	20,304.7	20,304.7	0.82365	0.16473	—	20,374.4
Dust From Material Movement	—	—	—	—	—	—	15.3676	15.3676	—	3.04705	3.04705	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.02769	5.90521	48.9398	50.8612	0.13064	2.06022	—	2.06022	1.89540	—	1.89540	—	14,145.7	14,145.7	0.57381	0.11476	—	14,194.3
Dust From Material Movement	—	—	—	—	—	—	10.7062	10.7062	—	2.12280	2.12280	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28255	1.07770	8.93152	9.28217	0.02384	0.37599	—	0.37599	0.34591	—	0.34591	—	2,341.99	2,341.99	0.09500	0.01900	—	2,350.03
Dust From Material Movement	—	—	—	—	—	—	1.95388	1.95388	—	0.38741	0.38741	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21875	0.19742	0.15724	2.98567	0.00000	0.00000	0.58819	0.58819	0.00000	0.13787	0.13787	—	620.310	620.310	0.00694	0.02133	1.77157	628.611
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	1.35284	1.22657	58.5688	13.3119	0.37879	1.08227	14.8083	15.8906	1.08227	4.15303	5.23530	—	51,962.6	51,962.6	0.05411	8.20721	96.4699	54,506.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17957	0.17560	0.17758	2.00003	0.00000	0.00000	0.58819	0.58819	0.00000	0.13787	0.13787	—	549.528	549.528	0.00794	0.02133	0.04593	556.128
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Hauling	1.22657	1.10031	61.8697	13.6907	0.37879	1.08227	14.8083	15.8906	1.08227	4.15303	5.23530	—	52,015.4	52,015.4	0.05411	8.20721	2.49687	54,465.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12648	0.12372	0.13719	1.55786	0.00000	0.00000	0.40941	0.40941	0.00000	0.09596	0.09596	—	394.076	394.076	0.00553	0.01486	0.53391	399.176
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.90479	0.81682	43.1532	9.38715	0.26390	0.75399	10.3093	11.0633	0.75399	2.89149	3.64548	—	36,216.4	36,216.4	0.03770	5.71774	28.9318	37,950.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02308	0.02258	0.02504	0.28431	0.00000	0.00000	0.07472	0.07472	0.00000	0.01751	0.01751	—	65.2437	65.2437	0.00092	0.00246	0.08839	66.0881
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.16512	0.14907	7.87547	1.71315	0.04816	0.13760	1.88145	2.01905	0.13760	0.52770	0.66530	—	5,996.04	5,996.04	0.00624	0.94664	4.78999	6,283.08

3.3.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95118	1.95118	12.3485	104.707	0.18745	0.38251	—	0.38251	0.38251	—	0.38251	—	20,297.5	20,297.5	0.82336	0.16467	—	20,367.2
Dust From Material Movement	—	—	—	—	—	—	15.3676	15.3676	—	3.04705	3.04705	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95118	1.95118	12.3485	104.707	0.18745	0.38251	—	0.38251	0.38251	—	0.38251	—	20,297.5	20,297.5	0.82336	0.16467	—	20,367.2
Dust From Material Movement	—	—	—	—	—	—	15.3676	15.3676	—	3.04705	3.04705	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35933	1.35933	8.60284	72.9468	0.13059	0.26649	—	0.26649	0.26649	—	0.26649	—	14,140.7	14,140.7	0.57361	0.11472	—	14,189.3
Dust From Material Movement	—	—	—	—	—	—	10.7062	10.7062	—	2.12280	2.12280	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24808	0.24808	1.57002	13.3128	0.02383	0.04863	—	0.04863	0.04863	—	0.04863	—	2,341.16	2,341.16	0.09497	0.01899	—	2,349.19

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Dust From Material Movement	—	—	—	—	—	—	1.95388	1.95388	—	0.38741	0.38741	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21875	0.19742	0.15724	2.98567	0.00000	0.00000	0.58819	0.58819	0.00000	0.13787	0.13787	—	620.310	620.310	0.00694	0.02133	1.77157	628.611
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	1.35284	1.22657	58.5688	13.3119	0.37879	1.08227	14.8083	15.8906	1.08227	4.15303	5.23530	—	51,962.6	51,962.6	0.05411	8.20721	96.4699	54,506.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17957	0.17560	0.17758	2.00003	0.00000	0.00000	0.58819	0.58819	0.00000	0.13787	0.13787	—	549.528	549.528	0.00794	0.02133	0.04593	556.128
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	1.22657	1.10031	61.8697	13.6907	0.37879	1.08227	14.8083	15.8906	1.08227	4.15303	5.23530	—	52,015.4	52,015.4	0.05411	8.20721	2.49687	54,465.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12648	0.12372	0.13719	1.55786	0.00000	0.00000	0.40941	0.40941	0.00000	0.09596	0.09596	—	394.076	394.076	0.00553	0.01486	0.53391	399.176
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Hauling	0.90479	0.81682	43.1532	9.38715	0.26390	0.75399	10.3093	11.0633	0.75399	2.89149	3.64548	—	36,216.4	36,216.4	0.03770	5.71774	28.9318	37,950.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02308	0.02258	0.02504	0.28431	0.00000	0.00000	0.07472	0.07472	0.00000	0.01751	0.01751	—	65.2437	65.2437	0.00092	0.00246	0.08839	66.0881
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.16512	0.14907	7.87547	1.71315	0.04816	0.13760	1.88145	2.01905	0.13760	0.52770	0.66530	—	5,996.04	5,996.04	0.00624	0.94664	4.78999	6,283.08

3.4. Building Construction (2028)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55711	2.13048	18.6212	24.9483	0.04489	0.59125	—	0.59125	0.54395	—	0.54395	—	4,263.11	4,263.11	0.17293	0.03459	—	4,277.74
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05004	0.04169	0.36441	0.48823	0.00088	0.01157	—	0.01157	0.01064	—	0.01064	—	83.4268	83.4268	0.00338	0.00068	—	83.7131

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00913	0.00761	0.06650	0.08910	0.00016	0.00211	—	0.00211	0.00194	—	0.00194	—	13.8123	13.8123	0.00056	0.00011	—	13.8597
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.8371	13.5313	13.6842	154.120	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	42,345.8	42,345.8	0.61159	1.64364	3.53927	42,854.4
Vendor	1.46805	1.07767	38.4223	15.2634	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	37,153.6	37,153.6	0.08247	5.01448	2.01700	38,652.0
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27378	0.26779	0.29697	3.37210	0.00000	0.00000	0.88619	0.88619	0.00000	0.20771	0.20771	—	853.002	853.002	0.01197	0.03217	1.15568	864.042
Vendor	0.03034	0.02217	0.74717	0.29439	0.00603	0.01098	0.20863	0.21961	0.01098	0.05765	0.06862	—	726.594	726.594	0.00161	0.09813	0.65603	756.534
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04996	0.04887	0.05420	0.61541	0.00000	0.00000	0.16173	0.16173	0.00000	0.03791	0.03791	—	141.224	141.224	0.00198	0.00533	0.19134	143.052
Vendor	0.00554	0.00405	0.13636	0.05373	0.00110	0.00200	0.03808	0.04008	0.00200	0.01052	0.01252	—	120.296	120.296	0.00027	0.01625	0.10861	125.253
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99917	0.89644	9.36809	26.9320	0.04489	0.22464	—	0.22464	0.21225	—	0.21225	—	4,263.11	4,263.11	0.17293	0.03459	—	4,277.74
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01955	0.01754	0.18333	0.52705	0.00088	0.00440	—	0.00440	0.00415	—	0.00415	—	83.4268	83.4268	0.00338	0.00068	—	83.7131
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.00357	0.00320	0.03346	0.09619	0.00016	0.00080	—	0.00080	0.00076	—	0.00076	—	13.8123	13.8123	0.00056	0.00011	—	13.8597
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.8371	13.5313	13.6842	154.120	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	42,345.8	42,345.8	0.61159	1.64364	3.53927	42,854.4
Vendor	1.46805	1.07767	38.4223	15.2634	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	37,153.6	37,153.6	0.08247	5.01448	2.01700	38,652.0
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27378	0.26779	0.29697	3.37210	0.00000	0.00000	0.88619	0.88619	0.00000	0.20771	0.20771	—	853.002	853.002	0.01197	0.03217	1.15568	864.042
Vendor	0.03034	0.02217	0.74717	0.29439	0.00603	0.01098	0.20863	0.21961	0.01098	0.05765	0.06862	—	726.594	726.594	0.00161	0.09813	0.65603	756.534
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04996	0.04887	0.05420	0.61541	0.00000	0.00000	0.16173	0.16173	0.00000	0.03791	0.03791	—	141.224	141.224	0.00198	0.00533	0.19134	143.052
Vendor	0.00554	0.00405	0.13636	0.05373	0.00110	0.00200	0.03808	0.04008	0.00200	0.01052	0.01252	—	120.296	120.296	0.00027	0.01625	0.10861	125.253

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2029)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48862	2.07347	18.1014	24.8861	0.04488	0.54465	—	0.54465	0.50108	—	0.50108	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48862	2.07347	18.1014	24.8861	0.04488	0.54465	—	0.54465	0.50108	—	0.50108	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.77759	1.48105	12.9296	17.7758	0.03206	0.38903	—	0.38903	0.35791	—	0.35791	—	3,044.47	3,044.47	0.12350	0.02470	—	3,054.92

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32441	0.27029	2.35965	3.24408	0.00585	0.07100	—	0.07100	0.06532	—	0.06532	—	504.047	504.047	0.02045	0.00409	—	505.777
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	14.6016	14.3723	12.0406	214.323	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	46,931.1	46,931.1	0.53514	1.64364	122.357	47,556.7
Vendor	1.60551	1.18764	35.0793	14.2957	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	36,073.6	36,073.6	0.08247	4.73406	68.1688	37,554.6
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.1491	11.4290	12.1170	143.646	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	41,587.8	41,587.8	0.61159	1.64364	3.17523	42,096.0
Vendor	1.44056	1.05018	37.1632	14.8455	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	36,116.3	36,116.3	0.08247	4.73406	1.76838	37,530.9
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Worker	9.50142	9.28300	9.71985	114.590	0.00000	0.00000	32.3461	32.3461	0.00000	7.58141	7.58141	—	30,573.8	30,573.8	0.43685	1.17403	37.7040	30,972.3
Vendor	1.06825	0.78940	26.3723	10.4468	0.21993	0.40059	7.61510	8.01569	0.40059	2.10407	2.50466	—	25,779.8	25,779.8	0.05891	3.38147	21.0235	26,810.0
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73401	1.69415	1.77387	20.9128	0.00000	0.00000	5.90316	5.90316	0.00000	1.38361	1.38361	—	5,061.85	5,061.85	0.07233	0.19437	6.24233	5,127.82
Vendor	0.19496	0.14407	4.81295	1.90655	0.04014	0.07311	1.38976	1.46286	0.07311	0.38399	0.45710	—	4,268.14	4,268.14	0.00975	0.55984	3.48068	4,438.70
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99764	0.89517	9.35644	26.9283	0.04488	0.22301	—	0.22301	0.21075	—	0.21075	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99764	0.89517	9.35644	26.9283	0.04488	0.22301	—	0.22301	0.21075	—	0.21075	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71260	0.63941	6.68317	19.2345	0.03206	0.15929	—	0.15929	0.15054	—	0.15054	—	3,044.47	3,044.47	0.12350	0.02470	—	3,054.92
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13005	0.11669	1.21968	3.51030	0.00585	0.02907	—	0.02907	0.02747	—	0.02747	—	504.047	504.047	0.02045	0.00409	—	505.777
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	14.6016	14.3723	12.0406	214.323	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	46,931.1	46,931.1	0.53514	1.64364	122.357	47,556.7
Vendor	1.60551	1.18764	35.0793	14.2957	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	36,073.6	36,073.6	0.08247	4.73406	68.1688	37,554.6
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.1491	11.4290	12.1170	143.646	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	41,587.8	41,587.8	0.61159	1.64364	3.17523	42,096.0

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Vendor	1.44056	1.05018	37.1632	14.8455	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	36,116.3	36,116.3	0.08247	4.73406	1.76838	37,530.9
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.50142	9.28300	9.71985	114.590	0.00000	0.00000	32.3461	32.3461	0.00000	7.58141	7.58141	—	30,573.8	30,573.8	0.43685	1.17403	37.7040	30,972.3
Vendor	1.06825	0.78940	26.3723	10.4468	0.21993	0.40059	7.61510	8.01569	0.40059	2.10407	2.50466	—	25,779.8	25,779.8	0.05891	3.38147	21.0235	26,810.0
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73401	1.69415	1.77387	20.9128	0.00000	0.00000	5.90316	5.90316	0.00000	1.38361	1.38361	—	5,061.85	5,061.85	0.07233	0.19437	6.24233	5,127.82
Vendor	0.19496	0.14407	4.81295	1.90655	0.04014	0.07311	1.38976	1.46286	0.07311	0.38399	0.45710	—	4,268.14	4,268.14	0.00975	0.55984	3.48068	4,438.70
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Building Construction (2030)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.42655	2.02174	17.7983	24.8419	0.04488	0.51307	—	0.51307	0.47203	—	0.47203	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.42655	2.02174	17.7983	24.8419	0.04488	0.51307	—	0.51307	0.47203	—	0.47203	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.73325	1.44410	12.7130	17.7442	0.03206	0.36648	—	0.36648	0.33716	—	0.33716	—	3,044.47	3,044.47	0.12350	0.02470	—	3,054.92
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31632	0.26355	2.32013	3.23831	0.00585	0.06688	—	0.06688	0.06153	—	0.06153	—	504.047	504.047	0.02045	0.00409	—	505.777
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.9900	12.3464	10.4734	198.651	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	46,114.8	46,114.8	0.45869	1.64364	109.009	46,725.1

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Vendor	1.27011	1.13266	34.1006	13.6249	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	34,998.4	34,998.4	0.08247	4.70657	59.7480	36,462.7
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.6140	10.8939	12.0406	133.326	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	40,875.6	40,875.6	0.53514	1.64364	2.83141	41,381.6
Vendor	1.16015	1.05018	35.9316	14.1747	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	35,040.9	35,040.9	0.08247	4.73406	1.55184	36,455.3
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.11918	7.89055	8.60043	107.109	0.00000	0.00000	32.3461	32.3461	0.00000	7.58141	7.58141	—	30,048.9	30,048.9	0.38224	1.17403	33.6591	30,442.0
Vendor	0.86795	0.78940	25.6733	9.94805	0.21993	0.40059	7.61510	8.01569	0.40059	2.10407	2.50466	—	25,011.7	25,011.7	0.05891	3.38147	18.4457	26,039.3
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.66425	1.44003	1.56958	19.5475	0.00000	0.00000	5.90316	5.90316	0.00000	1.38361	1.38361	—	4,974.93	4,974.93	0.06328	0.19437	5.57266	5,040.01
Vendor	0.15840	0.14407	4.68537	1.81552	0.04014	0.07311	1.38976	1.46286	0.07311	0.38399	0.45710	—	4,140.98	4,140.98	0.00975	0.55984	3.05389	4,311.11
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.99657	0.89429	9.34797	26.9264	0.04488	0.22168	—	0.22168	0.20953	—	0.20953	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99657	0.89429	9.34797	26.9264	0.04488	0.22168	—	0.22168	0.20953	—	0.20953	—	4,262.26	4,262.26	0.17290	0.03458	—	4,276.89
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71184	0.63878	6.67712	19.2331	0.03206	0.15834	—	0.15834	0.14966	—	0.14966	—	3,044.47	3,044.47	0.12350	0.02470	—	3,054.92
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12991	0.11658	1.21857	3.51004	0.00585	0.02890	—	0.02890	0.02731	—	0.02731	—	504.047	504.047	0.02045	0.00409	—	505.777
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.9900	12.3464	10.4734	198.651	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	46,114.8	46,114.8	0.45869	1.64364	109.009	46,725.1
Vendor	1.27011	1.13266	34.1006	13.6249	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	34,998.4	34,998.4	0.08247	4.70657	59.7480	36,462.7
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	12.6140	10.8939	12.0406	133.326	0.00000	0.00000	45.3252	45.3252	0.00000	10.6242	10.6242	—	40,875.6	40,875.6	0.53514	1.64364	2.83141	41,381.6
Vendor	1.16015	1.05018	35.9316	14.1747	0.30791	0.56083	10.6692	11.2300	0.56083	2.94772	3.50855	—	35,040.9	35,040.9	0.08247	4.73406	1.55184	36,455.3
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.11918	7.89055	8.60043	107.109	0.00000	0.00000	32.3461	32.3461	0.00000	7.58141	7.58141	—	30,048.9	30,048.9	0.38224	1.17403	33.6591	30,442.0
Vendor	0.86795	0.78940	25.6733	9.94805	0.21993	0.40059	7.61510	8.01569	0.40059	2.10407	2.50466	—	25,011.7	25,011.7	0.05891	3.38147	18.4457	26,039.3
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.66425	1.44003	1.56958	19.5475	0.00000	0.00000	5.90316	5.90316	0.00000	1.38361	1.38361	—	4,974.93	4,974.93	0.06328	0.19437	5.57266	5,040.01
Vendor	0.15840	0.14407	4.68537	1.81552	0.04014	0.07311	1.38976	1.46286	0.07311	0.38399	0.45710	—	4,140.98	4,140.98	0.00975	0.55984	3.05389	4,311.11
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Paving (2029)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47175	2.07696	19.8897	32.0900	0.04545	0.60438	—	0.60438	0.55603	—	0.55603	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47175	2.07696	19.8897	32.0900	0.04545	0.60438	—	0.60438	0.55603	—	0.55603	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51884	1.27625	12.2218	19.7187	0.02793	0.37138	—	0.37138	0.34167	—	0.34167	—	3,023.99	3,023.99	0.12267	0.02453	—	3,034.36
Paving	0.86791	0.86791	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.27719	0.23292	2.23048	3.59867	0.00510	0.06778	—	0.06778	0.06235	—	0.06235	—	500.655	500.655	0.02031	0.00406	—	502.373
Paving	0.15839	0.15839	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21054	0.20723	0.17361	3.09033	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	676.702	676.702	0.00772	0.02370	1.76428	685.722
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18960	0.16480	0.17472	2.07124	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	599.656	599.656	0.00882	0.02370	0.04578	606.985
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11786	0.11515	0.12057	1.42142	0.00000	0.00000	0.40123	0.40123	0.00000	0.09404	0.09404	—	379.248	379.248	0.00542	0.01456	0.46769	384.191
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02151	0.02101	0.02200	0.25941	0.00000	0.00000	0.07322	0.07322	0.00000	0.01716	0.01716	—	62.7889	62.7889	0.00090	0.00241	0.07743	63.6072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61332	0.61332	12.2715	34.4351	0.04545	0.09076	—	0.09076	0.09076	—	0.09076	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61332	0.61332	12.2715	34.4351	0.04545	0.09076	—	0.09076	0.09076	—	0.09076	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37688	0.37688	7.54063	21.1597	0.02793	0.05577	—	0.05577	0.05577	—	0.05577	—	3,023.99	3,023.99	0.12267	0.02453	—	3,034.36
Paving	0.86791	0.86791	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06878	0.06878	1.37616	3.86165	0.00510	0.01018	—	0.01018	0.01018	—	0.01018	—	500.655	500.655	0.02031	0.00406	—	502.373
Paving	0.15839	0.15839	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21054	0.20723	0.17361	3.09033	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	676.702	676.702	0.00772	0.02370	1.76428	685.722
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18960	0.16480	0.17472	2.07124	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	599.656	599.656	0.00882	0.02370	0.04578	606.985
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11786	0.11515	0.12057	1.42142	0.00000	0.00000	0.40123	0.40123	0.00000	0.09404	0.09404	—	379.248	379.248	0.00542	0.01456	0.46769	384.191
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02151	0.02101	0.02200	0.25941	0.00000	0.00000	0.07322	0.07322	0.00000	0.01716	0.01716	—	62.7889	62.7889	0.00090	0.00241	0.07743	63.6072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Paving (2030)

3.8.1. Onsite - Unmitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	2.37873	1.99880	19.5461	32.0164	0.04545	0.56201	—	0.56201	0.51705	—	0.51705	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.37873	1.99880	19.5461	32.0164	0.04545	0.56201	—	0.56201	0.51705	—	0.51705	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69910	1.42771	13.9615	22.8689	0.03246	0.40144	—	0.40144	0.36932	—	0.36932	—	3,515.14	3,515.14	0.14259	0.02852	—	3,527.21
Paving	1.00887	1.00887	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31009	0.26056	2.54797	4.17357	0.00592	0.07326	—	0.07326	0.06740	—	0.06740	—	581.972	581.972	0.02361	0.00472	—	583.969
Paving	0.18412	0.18412	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20172	0.17802	0.15102	2.86436	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	664.932	664.932	0.00661	0.02370	1.57181	673.732
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18188	0.15708	0.17361	1.92243	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	589.388	589.388	0.00772	0.02370	0.04083	596.684
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13149	0.11377	0.12401	1.54442	0.00000	0.00000	0.46640	0.46640	0.00000	0.10932	0.10932	—	433.276	433.276	0.00551	0.01693	0.48533	438.944
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02400	0.02076	0.02263	0.28186	0.00000	0.00000	0.08512	0.08512	0.00000	0.01995	0.01995	—	71.7339	71.7339	0.00091	0.00280	0.08035	72.6722

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61332	0.61332	12.2715	34.4351	0.04545	0.09076	—	0.09076	0.09076	—	0.09076	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61332	0.61332	12.2715	34.4351	0.04545	0.09076	—	0.09076	0.09076	—	0.09076	—	4,921.20	4,921.20	0.19963	0.03993	—	4,938.09
Paving	1.41242	1.41242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.43809	0.43809	8.76538	24.5965	0.03246	0.06483	—	0.06483	0.06483	—	0.06483	—	3,515.14	3,515.14	0.14259	0.02852	—	3,527.21
Paving	1.00887	1.00887	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07995	0.07995	1.59968	4.48886	0.00592	0.01183	—	0.01183	0.01183	—	0.01183	—	581.972	581.972	0.02361	0.00472	—	583.969
Paving	0.18412	0.18412	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20172	0.17802	0.15102	2.86436	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	664.932	664.932	0.00661	0.02370	1.57181	673.732
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18188	0.15708	0.17361	1.92243	0.00000	0.00000	0.65355	0.65355	0.00000	0.15319	0.15319	—	589.388	589.388	0.00772	0.02370	0.04083	596.684

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13149	0.11377	0.12401	1.54442	0.00000	0.00000	0.46640	0.46640	0.00000	0.10932	0.10932	—	433.276	433.276	0.00551	0.01693	0.48533	438.944
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02400	0.02076	0.02263	0.28186	0.00000	0.00000	0.08512	0.08512	0.00000	0.01995	0.01995	—	71.7339	71.7339	0.00091	0.00280	0.08035	72.6722
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Architectural Coating (2029)

3.9.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72087	0.59888	6.77752	8.30990	0.01372	0.07590	—	0.07590	0.06983	—	0.06983	—	1,272.07	1,272.07	0.05160	0.01032	—	1,276.44

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Architectural Coatings	85.4579	85.4579	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72087	0.59888	6.77752	8.30990	0.01372	0.07590	—	0.07590	0.06983	—	0.06983	—	1,272.07	1,272.07	0.05160	0.01032	—	1,276.44
Architectural Coatings	85.4579	85.4579	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44296	0.36800	4.16466	5.10628	0.00843	0.04664	—	0.04664	0.04291	—	0.04291	—	781.665	781.665	0.03171	0.00634	—	784.348
Architectural Coatings	52.5123	52.5123	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08084	0.06716	0.76005	0.93190	0.00154	0.00851	—	0.00851	0.00783	—	0.00783	—	129.414	129.414	0.00525	0.00105	—	129.858

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Architectural Coatings	9.58349	9.58349	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.92032	2.87445	2.40812	42.8645	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	9,386.22	9,386.22	0.10703	0.32873	24.4715	9,511.33
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.62982	2.28580	2.42341	28.7292	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	8,317.55	8,317.55	0.12232	0.32873	0.63505	8,419.21
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63477	1.59718	1.67235	19.7158	0.00000	0.00000	5.56529	5.56529	0.00000	1.30442	1.30442	—	5,260.37	5,260.37	0.07516	0.20200	6.48716	5,328.94
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29834	0.29149	0.30520	3.59814	0.00000	0.00000	1.01567	1.01567	0.00000	0.23806	0.23806	—	870.915	870.915	0.01244	0.03344	1.07402	882.266
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19775	0.19775	6.04234	9.00858	0.01372	0.02197	—	0.02197	0.02197	—	0.02197	—	1,272.07	1,272.07	0.05160	0.01032	—	1,276.44
Architectural Coatings	16.4383	16.4383	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19775	0.19775	6.04234	9.00858	0.01372	0.02197	—	0.02197	0.02197	—	0.02197	—	1,272.07	1,272.07	0.05160	0.01032	—	1,276.44
Architectural Coatings	16.4383	16.4383	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12151	0.12151	3.71291	5.53561	0.00843	0.01350	—	0.01350	0.01350	—	0.01350	—	781.665	781.665	0.03171	0.00634	—	784.348
Architectural Coatings	10.1010	10.1010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02218	0.02218	0.67761	1.01025	0.00154	0.00246	—	0.00246	0.00246	—	0.00246	—	129.414	129.414	0.00525	0.00105	—	129.858
Architectural Coatings	1.84344	1.84344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.4. Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.92032	2.87445	2.40812	42.8645	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	9,386.22	9,386.22	0.10703	0.32873	24.4715	9,511.33

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.62982	2.28580	2.42341	28.7292	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	8,317.55	8,317.55	0.12232	0.32873	0.63505	8,419.21
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63477	1.59718	1.67235	19.7158	0.00000	0.00000	5.56529	5.56529	0.00000	1.30442	1.30442	—	5,260.37	5,260.37	0.07516	0.20200	6.48716	5,328.94
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29834	0.29149	0.30520	3.59814	0.00000	0.00000	1.01567	1.01567	0.00000	0.23806	0.23806	—	870.915	870.915	0.01244	0.03344	1.07402	882.266
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Architectural Coating (2030)

3.10.1. Onsite - Unmitigated

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69937	0.58108	6.73540	8.28709	0.01372	0.06765	—	0.06765	0.06223	—	0.06223	—	1,272.09	1,272.09	0.05160	0.01032	—	1,276.45
Architectural Coatings	85.4579	85.4579	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69937	0.58108	6.73540	8.28709	0.01372	0.06765	—	0.06765	0.06223	—	0.06223	—	1,272.09	1,272.09	0.05160	0.01032	—	1,276.45
Architectural Coatings	85.4579	85.4579	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49955	0.41505	4.81100	5.91935	0.00980	0.04832	—	0.04832	0.04445	—	0.04445	—	908.633	908.633	0.03686	0.00737	—	911.751
Architectural Coatings	61.0413	61.0413	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09117	0.07575	0.87801	1.08028	0.00179	0.00882	—	0.00882	0.00811	—	0.00811	—	150.435	150.435	0.00610	0.00122	—	150.951
Architectural Coatings	11.1400	11.1400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.79801	2.46928	2.09468	39.7301	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	9,222.97	9,222.97	0.09174	0.32873	21.8019	9,345.02
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.52279	2.17877	2.40812	26.6651	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	8,175.12	8,175.12	0.10703	0.32873	0.56628	8,276.32
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.82384	1.57811	1.72009	21.4219	0.00000	0.00000	6.46921	6.46921	0.00000	1.51628	1.51628	—	6,009.78	6,009.78	0.07645	0.23481	6.73183	6,088.39
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33285	0.28801	0.31392	3.90949	0.00000	0.00000	1.18063	1.18063	0.00000	0.27672	0.27672	—	994.987	994.987	0.01266	0.03887	1.11453	1,008.00
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.3. Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19775	0.19775	6.04234	9.00858	0.01372	0.02197	—	0.02197	0.02197	—	0.02197	—	1,272.09	1,272.09	0.05160	0.01032	—	1,276.45
Architectural Coatings	16.4383	16.4383	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.19775	0.19775	6.04234	9.00858	0.01372	0.02197	—	0.02197	0.02197	—	0.02197	—	1,272.09	1,272.09	0.05160	0.01032	—	1,276.45
Architectural Coatings	16.4383	16.4383	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14125	0.14125	4.31596	6.43470	0.00980	0.01569	—	0.01569	0.01569	—	0.01569	—	908.633	908.633	0.03686	0.00737	—	911.751
Architectural Coatings	11.7417	11.7417	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02578	0.02578	0.78766	1.17433	0.00179	0.00286	—	0.00286	0.00286	—	0.00286	—	150.435	150.435	0.00610	0.00122	—	150.951
Architectural Coatings	2.14285	2.14285	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.4. Offsite - Mitigated

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.79801	2.46928	2.09468	39.7301	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	9,222.97	9,222.97	0.09174	0.32873	21.8019	9,345.02
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.52279	2.17877	2.40812	26.6651	0.00000	0.00000	9.06505	9.06505	0.00000	2.12483	2.12483	—	8,175.12	8,175.12	0.10703	0.32873	0.56628	8,276.32
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.82384	1.57811	1.72009	21.4219	0.00000	0.00000	6.46921	6.46921	0.00000	1.51628	1.51628	—	6,009.78	6,009.78	0.07645	0.23481	6.73183	6,088.39
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33285	0.28801	0.31392	3.90949	0.00000	0.00000	1.18063	1.18063	0.00000	0.27672	0.27672	—	994.987	994.987	0.01266	0.03887	1.11453	1,008.00
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

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

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	10/1/2027	12/2/2027	5.00000	45.0000	—
Grading	Grading	12/3/2027	12/21/2028	5.00000	275.000	—
Building Construction	Building Construction	12/22/2028	12/31/2030	5.00000	528.000	—
Paving	Paving	2/21/2029	12/31/2030	5.00000	485.000	—
Architectural Coating	Architectural Coating	2/21/2029	12/31/2030	5.00000	485.000	—

5.2. Off-Road Equipment

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	5.00000	8.00000	367.000	0.40000
Site Preparation	Crawler Tractors	Diesel	Average	2.00000	8.00000	87.0000	0.43000
Grading	Excavators	Diesel	Average	4.00000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	2.00000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Grading	Scrapers	Diesel	Average	8.00000	8.00000	423.000	0.48000
Grading	Crawler Tractors	Diesel	Average	2.00000	8.00000	87.0000	0.43000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	5.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	5.00000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/ Backhoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	4.00000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	3.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/ Backhoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Paving	Skid Steer Loaders	Diesel	Average	4.00000	8.00000	71.0000	0.37000
Paving	Trenchers	Diesel	Average	4.00000	8.00000	40.0000	0.50000
Architectural Coating	Air Compressors	Diesel	Average	3.00000	8.00000	37.0000	0.48000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Architectural Coating	Aerial Lifts	Diesel	Average	5.00000	8.00000	46.0000	0.31000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	5.00000	8.00000	367.000	0.40000
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	2.00000	8.00000	87.0000	0.43000
Grading	Excavators	Diesel	Tier 4 Final	4.00000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Tier 4 Final	2.00000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00000	8.00000	367.000	0.40000
Grading	Scrapers	Diesel	Tier 4 Final	8.00000	8.00000	423.000	0.48000
Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00000	8.00000	87.0000	0.43000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	5.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	5.00000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/ Backhoes	Diesel	Tier 4 Final	4.00000	8.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	4.00000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	3.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 4 Final	3.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/ Backhoes	Diesel	Tier 4 Final	4.00000	8.00000	84.0000	0.37000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	4.00000	8.00000	71.0000	0.37000
Paving	Trenchers	Diesel	Tier 4 Final	4.00000	8.00000	40.0000	0.50000
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	3.00000	8.00000	37.0000	0.48000
Architectural Coating	Aerial Lifts	Diesel	Tier 4 Final	5.00000	8.00000	46.0000	0.31000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	107.000	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	45.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	818.182	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	3,467.63	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	1,247.00	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Paving	Worker	50.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	693.527	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	107.000	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	45.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	818.182	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	3,467.63	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	1,247.00	10.2000	HHDT,MHDT

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	50.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	693.527	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	12,384,405	4,128,135	683,352

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	157.500	0.00000	0.00000
Grading	1,800,000	—	3,025.00	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	261.460

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Unrefrigerated Warehouse-No Rail	0.00000	0%
Paving	Refrigerated Warehouse-No Rail	0.00000	0%
Paving	Parking Lot	64.8700	100%
Paving	Other Asphalt Surfaces	196.590	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	531.983	0.03300	0.00400
2028	0.00000	531.983	0.03300	0.00400

Year	kWh per Year	CO2	CH4	N2O
2029	0.00000	531.983	0.03300	0.00400
2030	0.00000	531.983	0.03300	0.00400

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	32.9300	annual days of extreme heat
Extreme Precipitation	0.35000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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

(CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Flooding	N/A	N/A	N/A	N/A
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.4767
AQ-PM	8.58743
AQ-DPM	19.6889
Drinking Water	48.7448

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Indicator	Result for Project Census Tract
Lead Risk Housing	58.5381
Pesticides	0.00000
Toxic Releases	17.9170
Traffic	19.1000
Effect Indicators	—
CleanUp Sites	68.9436
Groundwater	36.8089
Haz Waste Facilities/Generators	35.6188
Impaired Water Bodies	0.00000
Solid Waste	83.2761
Sensitive Population	—
Asthma	91.8744
Cardio-vascular	99.9252
Low Birth Weights	99.8075
Socioeconomic Factor Indicators	—
Education	92.6474
Housing	97.6553
Linguistic	62.2412
Poverty	97.6884
Unemployment	98.1650

7.2. Healthy Places Index Scores

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	0.333632747
Employed	0.295136661
Median HI	0.359296805
Education	—
Bachelor's or higher	4.157577313
High school enrollment	100
Preschool enrollment	30.45040421
Transportation	—
Auto Access	4.837674836
Active commuting	74.05363788
Social	—
2-parent households	8.443474913
Voting	1.911972283
Neighborhood	—
Alcohol availability	52.40600539
Park access	32.70884127
Retail density	18.3498011
Supermarket access	5.235467727
Tree canopy	0.269472604

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Indicator	Result for Project Census Tract
Housing	—
Homeownership	15.46259464
Housing habitability	12.19042731
Low-inc homeowner severe housing cost burden	35.91684845
Low-inc renter severe housing cost burden	19.05556268
Uncrowded housing	9.072244322
Health Outcomes	—
Insured adults	29.96278712
Arthritis	0.0
Asthma ER Admissions	6.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.6
Cognitively Disabled	10.7
Physically Disabled	4.8
Heart Attack ER Admissions	0.4
Mental Health Not Good	0.0

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Indicator	Result for Project Census Tract
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	0.2
Elderly	76.6
English Speaking	25.6
Foreign-born	38.4
Outdoor Workers	20.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.4
Traffic Density	17.8
Traffic Access	23.0

Indicator	Result for Project Census Tract
Other Indices	—
Hardship	99.9
Other Decision Support	—
2016 Voting	3.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0000
Healthy Places Index Score for Project Location (b)	0.00000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Acreage based on Project site plan.
Construction: Construction Phases	Construction schedule based on data provided by the Project applicant.
Construction: Off-Road Equipment	Construction equipment provided by the Project Applicant.
Construction: Trips and VMT	Vendor trips adjusted based on CalEEMod defaults for building construction and the number of days for site preparation and building construction.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	68.8230	64.8700

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	9/1/2029	10/1/2027
Site Preparation	Site Preparation	End Date	10/26/2030	12/2/2027
Site Preparation	Site Preparation	Work Days per Phase	300.000	45.0000
Grading	Grading	Start Date	10/27/2030	12/3/2027
Grading	Grading	End Date	10/16/2033	12/21/2028

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Grading	Grading	Work Days per Phase	775.000	275.000
Building Construction	Building Construction	Start Date	10/17/2033	12/22/2028
Building Construction	Building Construction	End Date	7/2/2063	12/31/2030
Building Construction	Building Construction	Work Days per Phase	7,750.00	528.000
Paving	Paving	Start Date	7/3/2063	2/21/2029
Paving	Paving	End Date	8/11/2065	12/31/2030
Paving	Paving	Work Days per Phase	550.000	485.000
Architectural Coating	Architectural Coating	Start Date	8/12/2065	2/21/2029
Architectural Coating	Architectural Coating	End Date	9/21/2067	12/31/2030
Architectural Coating	Architectural Coating	Work Days per Phase	550.000	485.000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Site Preparation	Rubber Tired Dozers	Number per Day	3.00000	5.00000
Grading	Excavators	Number per Day	2.00000	4.00000
Grading	Graders	Number per Day	1.000000	2.00000
Grading	Rubber Tired Dozers	Number per Day	1.000000	2.00000
Grading	Scrapers	Number per Day	2.00000	8.00000
Building Construction	Cranes	Hours Per Day	7.00000	8.00000
Building Construction	Forklifts	Number per Day	3.00000	5.00000
Building Construction	Generator Sets	Number per Day	1.000000	5.00000

16098 Adelanto Industrial Park Construction Detailed Report, 8/11/2026

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Building Construction	Tractors/Loaders/Backhoes	Number per Day	3.00000	4.00000
Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Building Construction	Welders	Number per Day	1.000000	4.00000
Paving	Paving Equipment	Number per Day	2.00000	3.00000
Paving	Rollers	Number per Day	2.00000	3.00000
Architectural Coating	Air Compressors	Number per Day	1.000000	3.00000
Architectural Coating	Air Compressors	Hours Per Day	6.00000	8.00000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Building Construction	Vendor	One-Way Trips per Day	1,353.20	1,247.00

This page intentionally left blank



CALEEMOD OPERATIONAL EMISSIONS MODEL OUTPUTS

APPENDIX 3.2:



16098 Adelanto Industrial Park Operations Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.3. Operations Emissions Compared Against Thresholds
 - 2.4. Operations Emissions by Sector, Unmitigated
 - 2.5. Operations Emissions by Sector, Mitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.1.2. Mitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.2. Electricity Emissions By Land Use - Mitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.2.4. Natural Gas Emissions By Land Use - Mitigated
 - 4.3. Area Emissions by Source

- 4.3.1. Unmitigated
- 4.3.2. Mitigated
- 4.4. Water Emissions by Land Use
 - 4.4.1. Unmitigated
 - 4.4.2. Mitigated
- 4.5. Waste Emissions by Land Use
 - 4.5.1. Unmitigated
 - 4.5.2. Mitigated
- 4.6. Refrigerant Emissions by Land Use
 - 4.6.1. Unmitigated
 - 4.6.2. Mitigated
- 4.7. Offroad Emissions By Equipment Type
 - 4.7.1. Unmitigated
 - 4.7.2. Mitigated
- 4.8. Stationary Emissions By Equipment Type
 - 4.8.1. Unmitigated
 - 4.8.2. Mitigated
- 4.9. User Defined Emissions By Equipment Type
 - 4.9.1. Unmitigated
 - 4.9.2. Mitigated
- 4.10. Soil Carbon Accumulation By Vegetation Type
 - 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

- 6.1. Climate Risk Summary
- 6.2. Initial Climate Risk Scores
- 6.3. Adjusted Climate Risk Scores
- 6.4. Climate Risk Reduction Measures
- 7. Health and Equity Details
 - 7.1. CalEnviroScreen 4.0 Scores
 - 7.2. Healthy Places Index Scores
 - 7.3. Overall Health & Equity Scores
 - 7.4. Health & Equity Measures
 - 7.5. Evaluation Scorecard
 - 7.6. Health & Equity Custom Measures
- 8. User Changes to Default Data
 - 8.1. Justifications
 - 8.3. Land Use
 - 8.5. Operations
 - 8.5.1. Mobile Sources
 - 8.5.1.1. Vehicle Data
 - 8.5.1.2. Fleet Mix
 - 8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16098 Adelanto Industrial Park Operations
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80000
Precipitation (days)	1.40000
Location	34.56923303266423, -117.38427743839324
County	San Bernardino-Mojave Desert
City	Adelanto
Air District	Mojave Desert AQMD
Air Basin	Mojave Desert
TAZ	5104
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southwest Gas Corp.
App Version	2022.1.1.45

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	6,605.02	1000sqft	151.630	6,605,020	—	—	—	Passenger Vehicles
Refrigerated Warehouse-No Rail	1,651.25	1000sqft	37.9075	1,651,250	—	—	—	Trucks
Parking Lot	7,647.00	Space	64.8700	0.00000	—	—	—	—
Other Asphalt Surfaces	196.590	Acre	196.590	0.00000	—	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	306.521	296.615	350.247	821.460	4.05005	8.85061	199.138	207.989	8.36404	51.9217	60.2857	7,841.24	479,410	487,251	804.110	59.6838	44,908.2	570,048
Mit.	297.350	287.444	350.247	821.460	4.05005	8.85061	199.138	207.989	8.36404	51.9217	60.2857	7,841.24	479,410	487,251	804.110	59.6838	44,908.2	570,048

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
% Reduced	3%	3%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	239.141	234.221	365.704	374.371	3.94003	8.21574	199.138	207.354	7.88469	51.9217	59.8064	7,841.24	468,976	476,817	804.148	59.8520	44,029.6	558,786
Mit.	229.970	225.050	365.704	374.371	3.94003	8.21574	199.138	207.354	7.88469	51.9217	59.8064	7,841.24	468,976	476,817	804.148	59.8520	44,029.6	558,786
% Reduced	4%	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	258.595	252.355	310.370	496.727	3.37899	6.90401	167.666	174.570	6.54222	43.7564	50.2986	7,841.24	410,014	417,856	803.494	53.0208	44,339.0	498,082
Mit.	249.424	243.183	310.370	496.727	3.37899	6.90401	167.666	174.570	6.54222	43.7564	50.2986	7,841.24	410,014	417,856	803.494	53.0208	44,339.0	498,082
% Reduced	4%	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	47.1936	46.0547	56.6426	90.6526	0.61667	1.25998	30.5990	31.8589	1.19395	7.98554	9.17949	1,298.21	67,882.6	69,180.8	133.028	8.77820	7,340.84	82,463.2
Mit.	45.5199	44.3810	56.6426	90.6526	0.61667	1.25998	30.5990	31.8589	1.19395	7.98554	9.17949	1,298.21	67,882.6	69,180.8	133.028	8.77820	7,340.84	82,463.2
% Reduced	4%	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.4. Operations Emissions by Sector, Unmitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.3419	42.9325	331.172	447.729	4.00103	7.36788	199.138	206.506	7.03696	51.9217	58.9586	—	417,743	417,743	3.49738	49.8566	901.934	433,589
Area	252.868	247.940	3.02142	359.086	0.02142	0.63781	—	0.63781	0.48215	—	0.48215	—	1,476.61	1,476.61	0.06195	0.01267	—	1,481.93
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Water	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Stationary	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Total	306.521	296.615	350.247	821.460	4.05005	8.85061	199.138	207.989	8.36404	51.9217	60.2857	7,841.24	479,410	487,251	804.110	59.6838	44,908.2	570,048
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.8944	39.5427	349.650	359.726	3.91243	7.37081	199.138	206.509	7.03977	51.9217	58.9614	—	408,786	408,786	3.59735	50.0375	23.3972	423,810
Area	188.935	188.935	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Water	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Stationary	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Total	239.141	234.221	365.704	374.371	3.94003	8.21574	199.138	207.354	7.88469	51.9217	59.8064	7,841.24	468,976	476,817	804.148	59.8520	44,029.6	558,786

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	36.4024	32.7478	304.482	315.631	3.36086	6.35799	167.666	174.024	6.07296	43.7564	49.8293	—	351,229	351,229	2.99921	43.2167	332.802	364,515
Area	220.464	218.033	1.49002	177.083	0.01056	0.31454	—	0.31454	0.23777	—	0.23777	—	728.189	728.189	0.03055	0.00625	—	730.815
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Water	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Stationary	1.72903	1.57342	4.39822	4.01241	0.00756	0.23149	0.00000	0.23149	0.23149	0.00000	0.23149	0.00000	805.014	805.014	0.03232	0.00631	0.00000	807.701
Total	258.595	252.355	310.370	496.727	3.37899	6.90401	167.666	174.570	6.54222	43.7564	50.2986	7,841.24	410,014	417,856	803.494	53.0208	44,339.0	498,082
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.64343	5.97647	55.5680	57.6026	0.61336	1.16033	30.5990	31.7593	1.10831	7.98554	9.09385	—	58,150.0	58,150.0	0.49655	7.15502	55.0991	60,349.7
Area	40.2346	39.7911	0.27193	32.3177	0.00193	0.05740	—	0.05740	0.04339	—	0.04339	—	120.560	120.560	0.00506	0.00103	—	120.995
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	8,178.31	8,178.31	1.03488	0.12544	—	8,241.56
Water	—	—	—	—	—	—	—	—	—	—	—	605.722	1,300.43	1,906.16	62.2745	1.49566	—	3,908.72
Waste	—	—	—	—	—	—	—	—	—	—	—	692.485	0.00000	692.485	69.2114	0.00000	—	2,422.77
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,285.74	7,285.74
Stationary	0.31555	0.28715	0.80268	0.73227	0.00138	0.04225	0.00000	0.04225	0.04225	0.00000	0.04225	0.00000	133.279	133.279	0.00535	0.00104	0.00000	133.724
Total	47.1936	46.0547	56.6426	90.6526	0.61667	1.25998	30.5990	31.8589	1.19395	7.98554	9.17949	1,298.21	67,882.6	69,180.8	133.028	8.77820	7,340.84	82,463.2

2.5. Operations Emissions by Sector, Mitigated

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.3419	42.9325	331.172	447.729	4.00103	7.36788	199.138	206.506	7.03696	51.9217	58.9586	—	417,743	417,743	3.49738	49.8566	901.934	433,589
Area	243.697	238.769	3.02142	359.086	0.02142	0.63781	—	0.63781	0.48215	—	0.48215	—	1,476.61	1,476.61	0.06195	0.01267	—	1,481.93
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Water	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Stationary	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Total	297.350	287.444	350.247	821.460	4.05005	8.85061	199.138	207.989	8.36404	51.9217	60.2857	7,841.24	479,410	487,251	804.110	59.6838	44,908.2	570,048
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.8944	39.5427	349.650	359.726	3.91243	7.37081	199.138	206.509	7.03977	51.9217	58.9614	—	408,786	408,786	3.59735	50.0375	23.3972	423,810
Area	179.764	179.764	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Water	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Stationary	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Total	229.970	225.050	365.704	374.371	3.94003	8.21574	199.138	207.354	7.88469	51.9217	59.8064	7,841.24	468,976	476,817	804.148	59.8520	44,029.6	558,786

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	36.4024	32.7478	304.482	315.631	3.36086	6.35799	167.666	174.024	6.07296	43.7564	49.8293	—	351,229	351,229	2.99921	43.2167	332.802	364,515
Area	211.293	208.862	1.49002	177.083	0.01056	0.31454	—	0.31454	0.23777	—	0.23777	—	728.189	728.189	0.03055	0.00625	—	730.815
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Water	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Stationary	1.72903	1.57342	4.39822	4.01241	0.00756	0.23149	0.00000	0.23149	0.23149	0.00000	0.23149	0.00000	805.014	805.014	0.03232	0.00631	0.00000	807.701
Total	249.424	243.183	310.370	496.727	3.37899	6.90401	167.666	174.570	6.54222	43.7564	50.2986	7,841.24	410,014	417,856	803.494	53.0208	44,339.0	498,082
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.64343	5.97647	55.5680	57.6026	0.61336	1.16033	30.5990	31.7593	1.10831	7.98554	9.09385	—	58,150.0	58,150.0	0.49655	7.15502	55.0991	60,349.7
Area	38.5609	38.1174	0.27193	32.3177	0.00193	0.05740	—	0.05740	0.04339	—	0.04339	—	120.560	120.560	0.00506	0.00103	—	120.995
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	8,178.31	8,178.31	1.03488	0.12544	—	8,241.56
Water	—	—	—	—	—	—	—	—	—	—	—	605.722	1,300.43	1,906.16	62.2745	1.49566	—	3,908.72
Waste	—	—	—	—	—	—	—	—	—	—	—	692.485	0.00000	692.485	69.2114	0.00000	—	2,422.77
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,285.74	7,285.74
Stationary	0.31555	0.28715	0.80268	0.73227	0.00138	0.04225	0.00000	0.04225	0.04225	0.00000	0.04225	0.00000	133.279	133.279	0.00535	0.00104	0.00000	133.724
Total	45.5199	44.3810	56.6426	90.6526	0.61667	1.25998	30.5990	31.8589	1.19395	7.98554	9.17949	1,298.21	67,882.6	69,180.8	133.028	8.77820	7,340.84	82,463.2

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	38.1668	35.2283	17.0068	369.163	0.83186	0.29611	84.3807	84.6768	0.27270	21.2543	21.5270	—	84,160.1	84,160.1	2.75911	1.89769	177.982	84,972.6
Refrigerated Warehouse-No Rail	9.17509	7.70421	314.165	78.5657	3.16918	7.07178	114.758	121.829	6.76427	30.6673	37.4316	—	333,583	333,583	0.73827	47.9589	723.952	348,617
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	47.3419	42.9325	331.172	447.729	4.00103	7.36788	199.138	206.506	7.03696	51.9217	58.9586	—	417,743	417,743	3.49738	49.8566	901.934	433,589
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	35.1511	32.2221	18.8246	280.618	0.74194	0.29611	84.3807	84.6768	0.27270	21.2543	21.5270	—	75,065.0	75,065.0	2.87538	2.02916	4.61401	75,746.2

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Refrigerated Warehouse-No Rail	8.74334	7.32062	330.826	79.1077	3.17048	7.07471	114.758	121.832	6.76707	30.6673	37.4344	—	333,721	333,721	0.72197	48.0083	18.7832	348,064
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	43.8944	39.5427	349.650	359.726	3.91243	7.37081	199.138	206.509	7.03977	51.9217	58.9614	—	408,786	408,786	3.59735	50.0375	23.3972	423,810
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	5.23184	4.79309	2.91292	45.2281	0.11304	0.04390	12.4983	12.5422	0.04043	3.14817	3.18860	—	10,374.7	10,374.7	0.39205	0.28101	10.3360	10,478.6
Refrigerated Warehouse-No Rail	1.41159	1.18338	52.6550	12.3745	0.50032	1.11643	18.1007	19.2171	1.06789	4.83737	5.90526	—	47,775.2	47,775.2	0.10450	6.87401	44.7631	49,871.1
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	6.64343	5.97647	55.5680	57.6026	0.61336	1.16033	30.5990	31.7593	1.10831	7.98554	9.09385	—	58,150.0	58,150.0	0.49655	7.15502	55.0991	60,349.7

4.1.2. Mitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	38.1668	35.2283	17.0068	369.163	0.83186	0.29611	84.3807	84.6768	0.27270	21.2543	21.5270	—	84,160.1	84,160.1	2.75911	1.89769	177.982	84,972.6
Refrigerated Warehouse-No Rail	9.17509	7.70421	314.165	78.5657	3.16918	7.07178	114.758	121.829	6.76427	30.6673	37.4316	—	333,583	333,583	0.73827	47.9589	723.952	348,617
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	47.3419	42.9325	331.172	447.729	4.00103	7.36788	199.138	206.506	7.03696	51.9217	58.9586	—	417,743	417,743	3.49738	49.8566	901.934	433,589
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	35.1511	32.2221	18.8246	280.618	0.74194	0.29611	84.3807	84.6768	0.27270	21.2543	21.5270	—	75,065.0	75,065.0	2.87538	2.02916	4.61401	75,746.2
Refrigerated Warehouse-No Rail	8.74334	7.32062	330.826	79.1077	3.17048	7.07471	114.758	121.832	6.76707	30.6673	37.4344	—	333,721	333,721	0.72197	48.0083	18.7832	348,064
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	43.8944	39.5427	349.650	359.726	3.91243	7.37081	199.138	206.509	7.03977	51.9217	58.9614	—	408,786	408,786	3.59735	50.0375	23.3972	423,810
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	5.23184	4.79309	2.91292	45.2281	0.11304	0.04390	12.4983	12.5422	0.04043	3.14817	3.18860	—	10,374.7	10,374.7	0.39205	0.28101	10.3360	10,478.6
Refrigerated Warehouse-No Rail	1.41159	1.18338	52.6550	12.3745	0.50032	1.11643	18.1007	19.2171	1.06789	4.83737	5.90526	—	47,775.2	47,775.2	0.10450	6.87401	44.7631	49,871.1
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	6.64343	5.97647	55.5680	57.6026	0.61336	1.16033	30.5990	31.7593	1.10831	7.98554	9.09385	—	58,150.0	58,150.0	0.49655	7.15502	55.0991	60,349.7

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	21,796.6	21,796.6	2.75813	0.33432	—	21,965.2
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	25,832.2	25,832.2	3.26879	0.39622	—	26,032.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,768.60	1,768.60	0.22380	0.02713	—	1,782.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	21,796.6	21,796.6	2.75813	0.33432	—	21,965.2
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	25,832.2	25,832.2	3.26879	0.39622	—	26,032.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,768.60	1,768.60	0.22380	0.02713	—	1,782.28

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,608.68	3,608.68	0.45664	0.05535	—	3,636.59
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,276.82	4,276.82	0.54119	0.06560	—	4,309.89
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	292.813	292.813	0.03705	0.00449	—	295.077
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,178.31	8,178.31	1.03488	0.12544	—	8,241.56

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	21,796.6	21,796.6	2.75813	0.33432	—	21,965.2
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	25,832.2	25,832.2	3.26879	0.39622	—	26,032.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,768.60	1,768.60	0.22380	0.02713	—	1,782.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	21,796.6	21,796.6	2.75813	0.33432	—	21,965.2
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	25,832.2	25,832.2	3.26879	0.39622	—	26,032.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,768.60	1,768.60	0.22380	0.02713	—	1,782.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Total	—	—	—	—	—	—	—	—	—	—	—	—	49,397.4	49,397.4	6.25073	0.75766	—	49,779.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,608.68	3,608.68	0.45664	0.05535	—	3,636.59
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,276.82	4,276.82	0.54119	0.06560	—	4,309.89
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	292.813	292.813	0.03705	0.00449	—	295.077
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,178.31	8,178.31	1.03488	0.12544	—	8,241.56

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Refrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Refrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Refrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Refrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Refrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Refrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	177.580	177.580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Architectural Coatings	11.3554	11.3554	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	63.9329	59.0044	3.02142	359.086	0.02142	0.63781	—	0.63781	0.48215	—	0.48215	—	1,476.61	1,476.61	0.06195	0.01267	—	1,481.93
Total	252.868	247.940	3.02142	359.086	0.02142	0.63781	—	0.63781	0.48215	—	0.48215	—	1,476.61	1,476.61	0.06195	0.01267	—	1,481.93
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	177.580	177.580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	11.3554	11.3554	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	188.935	188.935	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	32.4083	32.4083	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.07235	2.07235	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.75396	5.31040	0.27193	32.3177	0.00193	0.05740	—	0.05740	0.04339	—	0.04339	—	120.560	120.560	0.00506	0.00103	—	120.995
Total	40.2346	39.7911	0.27193	32.3177	0.00193	0.05740	—	0.05740	0.04339	—	0.04339	—	120.560	120.560	0.00506	0.00103	—	120.995

4.3.2. Mitigated

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	177.580	177.580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.18427	2.18427	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	63.9329	59.0044	3.02142	359.086	0.02142	0.63781	—	0.63781	0.48215	—	0.48215	—	1,476.61	1,476.61	0.06195	0.01267	—	1,481.93
Total	243.697	238.769	3.02142	359.086	0.02142	0.63781	—	0.63781	0.48215	—	0.48215	—	1,476.61	1,476.61	0.06195	0.01267	—	1,481.93
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	177.580	177.580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.18427	2.18427	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	179.764	179.764	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	32.4083	32.4083	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.39863	0.39863	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Landscape Equipment	5.75396	5.31040	0.27193	32.3177	0.00193	0.05740	—	0.05740	0.04339	—	0.04339	—	120.560	120.560	0.00506	0.00103	—	120.995
Total	38.5609	38.1174	0.27193	32.3177	0.00193	0.05740	—	0.05740	0.04339	—	0.04339	—	120.560	120.560	0.00506	0.00103	—	120.995

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,926.88	6,283.75	9,210.63	300.913	7.22709	—	18,887.1
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	731.718	1,570.93	2,302.65	75.2280	1.80677	—	4,721.77
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,926.88	6,283.75	9,210.63	300.913	7.22709	—	18,887.1
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	731.718	1,570.93	2,302.65	75.2280	1.80677	—	4,721.77
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	484.578	1,040.35	1,524.92	49.8196	1.19653	—	3,126.98
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	121.144	260.086	381.230	12.4549	0.29913	—	781.743
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	605.722	1,300.43	1,906.16	62.2745	1.49566	—	3,908.72

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,926.88	6,283.75	9,210.63	300.913	7.22709	—	18,887.1
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	731.718	1,570.93	2,302.65	75.2280	1.80677	—	4,721.77
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,926.88	6,283.75	9,210.63	300.913	7.22709	—	18,887.1
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	731.718	1,570.93	2,302.65	75.2280	1.80677	—	4,721.77
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3,658.60	7,854.68	11,513.3	376.141	9.03385	—	23,608.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	484.578	1,040.35	1,524.92	49.8196	1.19653	—	3,126.98
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	121.144	260.086	381.230	12.4549	0.29913	—	781.743
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	605.722	1,300.43	1,906.16	62.2745	1.49566	—	3,908.72

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3,346.12	0.00000	3,346.12	334.433	0.00000	—	11,706.9
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	836.527	0.00000	836.527	83.6079	0.00000	—	2,926.72
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3,346.12	0.00000	3,346.12	334.433	0.00000	—	11,706.9

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	836.527	0.00000	836.527	83.6079	0.00000	—	2,926.72
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	553.988	0.00000	553.988	55.3691	0.00000	—	1,938.22
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	138.497	0.00000	138.497	13.8422	0.00000	—	484.553
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	692.485	0.00000	692.485	69.2114	0.00000	—	2,422.77

4.5.2. Mitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3,346.12	0.00000	3,346.12	334.433	0.00000	—	11,706.9
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	836.527	0.00000	836.527	83.6079	0.00000	—	2,926.72
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3,346.12	0.00000	3,346.12	334.433	0.00000	—	11,706.9
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	836.527	0.00000	836.527	83.6079	0.00000	—	2,926.72
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	4,182.65	0.00000	4,182.65	418.041	0.00000	—	14,633.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	553.988	0.00000	553.988	55.3691	0.00000	—	1,938.22
Refriger ated Wa rehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	138.497	0.00000	138.497	13.8422	0.00000	—	484.553
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	692.485	0.00000	692.485	69.2114	0.00000	—	2,422.77

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,285.74	7,285.74
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,285.74	7,285.74

4.6.2. Mitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44,006.2	44,006.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,285.74	7,285.74
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,285.74	7,285.74

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.89329	1.72289	4.81605	4.39359	0.00828	0.25348	0.00000	0.25348	0.25348	0.00000	0.25348	0.00000	881.490	881.490	0.03539	0.00691	0.00000	884.433
Emergency Generator	4.41767	4.02008	11.2375	10.2517	0.01932	0.59145	0.00000	0.59145	0.59145	0.00000	0.59145	0.00000	2,056.81	2,056.81	0.08258	0.01611	0.00000	2,063.68
Total	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.89329	1.72289	4.81605	4.39359	0.00828	0.25348	0.00000	0.25348	0.25348	0.00000	0.25348	0.00000	881.490	881.490	0.03539	0.00691	0.00000	884.433
Emergency Generator	4.41767	4.02008	11.2375	10.2517	0.01932	0.59145	0.00000	0.59145	0.59145	0.00000	0.59145	0.00000	2,056.81	2,056.81	0.08258	0.01611	0.00000	2,063.68
Total	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.09466	0.08614	0.24080	0.21968	0.00041	0.01267	0.00000	0.01267	0.01267	0.00000	0.01267	0.00000	39.9838	39.9838	0.00161	0.00031	0.00000	40.1172
Emergency Generator	0.22088	0.20100	0.56187	0.51259	0.00097	0.02957	0.00000	0.02957	0.02957	0.00000	0.02957	0.00000	93.2954	93.2954	0.00375	0.00073	0.00000	93.6069

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Total	0.31555	0.28715	0.80268	0.73227	0.00138	0.04225	0.00000	0.04225	0.04225	0.00000	0.04225	0.00000	133.279	133.279	0.00535	0.00104	0.00000	133.724

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.89329	1.72289	4.81605	4.39359	0.00828	0.25348	0.00000	0.25348	0.25348	0.00000	0.25348	0.00000	881.490	881.490	0.03539	0.00691	0.00000	884.433
Emergency Generator	4.41767	4.02008	11.2375	10.2517	0.01932	0.59145	0.00000	0.59145	0.59145	0.00000	0.59145	0.00000	2,056.81	2,056.81	0.08258	0.01611	0.00000	2,063.68
Total	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.89329	1.72289	4.81605	4.39359	0.00828	0.25348	0.00000	0.25348	0.25348	0.00000	0.25348	0.00000	881.490	881.490	0.03539	0.00691	0.00000	884.433
Emergency Generator	4.41767	4.02008	11.2375	10.2517	0.01932	0.59145	0.00000	0.59145	0.59145	0.00000	0.59145	0.00000	2,056.81	2,056.81	0.08258	0.01611	0.00000	2,063.68
Total	6.31096	5.74297	16.0535	14.6453	0.02760	0.84492	0.00000	0.84492	0.84492	0.00000	0.84492	0.00000	2,938.30	2,938.30	0.11798	0.02302	0.00000	2,948.11
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.09466	0.08614	0.24080	0.21968	0.00041	0.01267	0.00000	0.01267	0.01267	0.00000	0.01267	0.00000	39.9838	39.9838	0.00161	0.00031	0.00000	40.1172

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Emergency Generator	0.22088	0.20100	0.56187	0.51259	0.00097	0.02957	0.00000	0.02957	0.02957	0.00000	0.02957	0.00000	93.2954	93.2954	0.00375	0.00073	0.00000	93.6069
Total	0.31555	0.28715	0.80268	0.73227	0.00138	0.04225	0.00000	0.04225	0.04225	0.00000	0.04225	0.00000	133.279	133.279	0.00535	0.00104	0.00000	133.724

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	9,458.39	3,414.80	3,077.94	2,804,487	121,777	43,965.4	39,628.4	36,107,727
Refrigerated Warehouse-No Rail	3,284.34	1,773.44	1,689.23	1,036,827	131,373	70,937.7	67,569.1	41,473,078
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	9,458.39	3,414.80	3,077.94	2,804,487	121,777	43,965.4	39,628.4	36,107,727
Refrigerated Warehouse-No Rail	3,284.34	1,773.44	1,689.23	1,036,827	131,373	70,937.7	67,569.1	41,473,078
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Refrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Refrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Refrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Refrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Refrigerated Warehouse-No Rail	No Fireplaces	0	0
Refrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Refrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Refrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Refrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	12,384,405	4,128,135	683,352

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	30,506,626	260.788	0.0330	0.0040	0.00000
Refrigerated Warehouse-No Rail	36,154,845	260.788	0.0330	0.0040	0.00000
Parking Lot	2,475,346	260.788	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	260.788	0.0330	0.0040	0.00000

5.11.2. Mitigated

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

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBtu/yr)
Unrefrigerated Warehouse-No Rail	30,506,626	260.788	0.0330	0.0040	0.00000
Refrigerated Warehouse-No Rail	36,154,845	260.788	0.0330	0.0040	0.00000
Parking Lot	2,475,346	260.788	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	260.788	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	1,527,410,875	0.00000
Refrigerated Warehouse-No Rail	381,851,563	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	1,527,410,875	0.00000
Refrigerated Warehouse-No Rail	381,851,563	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	6,208.72	0.00000
Refrigerated Warehouse-No Rail	1,552.17	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	6,208.72	0.00000
Refrigerated Warehouse-No Rail	1,552.17	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922.00	7.50000	7.50000	7.50000	25.0000

5.14.2. Mitigated

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922.00	7.50000	7.50000	7.50000	25.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	7.00000	0.50000	50.0000	300.000	0.73000
Emergency Generator	Diesel	7.00000	0.50000	50.0000	700.000	0.73000

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	32.9300	annual days of extreme heat
Extreme Precipitation	0.35000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

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

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

measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.4767
AQ-PM	8.58743
AQ-DPM	19.6889
Drinking Water	48.7448
Lead Risk Housing	58.5381
Pesticides	0.00000
Toxic Releases	17.9170
Traffic	19.1000
Effect Indicators	—
CleanUp Sites	68.9436
Groundwater	36.8089
Haz Waste Facilities/Generators	35.6188

Indicator	Result for Project Census Tract
Impaired Water Bodies	0.00000
Solid Waste	83.2761
Sensitive Population	—
Asthma	91.8744
Cardio-vascular	99.9252
Low Birth Weights	99.8075
Socioeconomic Factor Indicators	—
Education	92.6474
Housing	97.6553
Linguistic	62.2412
Poverty	97.6884
Unemployment	98.1650

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	0.333632747
Employed	0.295136661
Median HI	0.359296805
Education	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Indicator	Result for Project Census Tract
Bachelor's or higher	4.157577313
High school enrollment	100
Preschool enrollment	30.45040421
Transportation	—
Auto Access	4.837674836
Active commuting	74.05363788
Social	—
2-parent households	8.443474913
Voting	1.911972283
Neighborhood	—
Alcohol availability	52.40600539
Park access	32.70884127
Retail density	18.3498011
Supermarket access	5.235467727
Tree canopy	0.269472604
Housing	—
Homeownership	15.46259464
Housing habitability	12.19042731
Low-inc homeowner severe housing cost burden	35.91684845
Low-inc renter severe housing cost burden	19.05556268
Uncrowded housing	9.072244322

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Indicator	Result for Project Census Tract
Health Outcomes	—
Insured adults	29.96278712
Arthritis	0.0
Asthma ER Admissions	6.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.6
Cognitively Disabled	10.7
Physically Disabled	4.8
Heart Attack ER Admissions	0.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Indicator	Result for Project Census Tract
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	0.2
Elderly	76.6
English Speaking	25.6
Foreign-born	38.4
Outdoor Workers	20.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.4
Traffic Density	17.8
Traffic Access	23.0
Other Indices	—
Hardship	99.9
Other Decision Support	—
2016 Voting	3.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0000
Healthy Places Index Score for Project Location (b)	0.00000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Acreage based on Project site plan.
Operations: Vehicle Data	Trip characteristics based on Project traffic study.

Screen	Justification
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	68.8230	64.8700

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.43200
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	0.51700
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.46600
Refrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	2.12000	1.98900
Refrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	2.12000	1.07400
Refrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	2.12000	1.02300
Refrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	15.9126	40.0000
Refrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	9.02196	40.0000
Refrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.53132	40.0000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	2%	0%
Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	48%	52%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	23%	24%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	3%	0%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	0%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	15%	17%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	1%	0%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Season	Model Parameter	Units	Default Value	New Value
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	2%	0%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	48%	52%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	23%	24%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	3%	0%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	0%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	15%	17%
Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	1%	0%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	2%	0%

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Season	Model Parameter	Units	Default Value	New Value
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	48%	52%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	23%	24%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	3%	0%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	0%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	15%	17%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	1%	0%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	2%	66%
Refrigerated Warehouse-No Rail	A	Passenger Cars	%	48%	0%

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Season	Model Parameter	Units	Default Value	New Value
Refrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	0%
Refrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	23%	0%
Refrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	3%	14%
Refrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	4%
Refrigerated Warehouse-No Rail	A	Motorcycles	%	2%	0%
Refrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	15%	0%
Refrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	1%	16%
Refrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	2%	66%
Refrigerated Warehouse-No Rail	S	Passenger Cars	%	48%	0%
Refrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	0%

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Season	Model Parameter	Units	Default Value	New Value
Refrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	23%	0%
Refrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	3%	14%
Refrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	4%
Refrigerated Warehouse-No Rail	S	Motorcycles	%	2%	0%
Refrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	15%	0%
Refrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	1%	16%
Refrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	2%	66%
Refrigerated Warehouse-No Rail	W	Passenger Cars	%	48%	0%
Refrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	0%
Refrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	23%	0%

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Season	Model Parameter	Units	Default Value	New Value
Refrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	3%	14%
Refrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	4%
Refrigerated Warehouse-No Rail	W	Motorcycles	%	2%	0%
Refrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	15%	0%
Refrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	1%	16%
Refrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%
Refrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Unrefrigerated Warehouse-No Rail	Natural Gas	kBTU/yr	125,565,917	0.00000
Unrefrigerated Warehouse-No Rail	Natural Gas (Subject to Title 24)	kBTU/yr	5,337,574	0.00000
Unrefrigerated Warehouse-No Rail	Natural Gas (Not Subject to Title 24)	kBTU/yr	120,228,343	0.00000
Refrigerated Warehouse-No Rail	Natural Gas	kBTU/yr	43,500,916	0.00000
Refrigerated Warehouse-No Rail	Natural Gas (Subject to Title 24)	kBTU/yr	672,659	0.00000

16098 Adelanto Industrial Park Operations Detailed Report, 8/11/2026

Land Use	Model Parameter	Units	Default Value	New Value
Refrigerated Warehouse-No Rail	Natural Gas (Not Subject to Title 24)	kBTU/yr	42,828,257	0.00000

This page intentionally left blank

APPENDIX 3.3:

TRU EMISSION CALCULATIONS

TRU Emissions

2030	Year (Instate Trailer)
2029	Year (Instate Truck)
San Bernardino (MD)	Region

Transport Refrigeration Unit - Instate Trailer

299	No. of Units
4	Hours/day

Total Two-Way TRU Trips per day

906

Transport Refrigeration Unit - Instate Truck

154	No. of Units
4	Hours/day

	Activity (hrs/year)
Transport Refrigeration Unit - Instate Trailer	2,415,719
Transport Refrigeration Unit - Instate Truck	38,856

Unit		Emission Factor						
		ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂
Transport Refrigeration Unit - Instate Trailer	Emissions (tons/day)	2.70E-01	2.04E-01	3.52E-02	0.00E+00	3.03E-03	2.79E-03	5.21E+01
	Emissions (lbs/hr)	8.17E-02	6.16E-02	1.06E-02	0.00E+00	9.17E-04	8.43E-04	1.57E+01
Transport Refrigeration Unit - Instate Truck	Emissions (tons/day)	3.28E-03	4.14E-03	3.57E-04	0.00E+00	2.13E-04	1.96E-04	6.62E-01
	Emissions (lbs/hr)	6.16E-02	7.78E-02	6.70E-03	0.00E+00	4.00E-03	3.68E-03	1.24E+01

Unit		Emissions (lbs/day)						MT/yr
		ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂
Transport Refrigeration Unit - Instate Trailer		97.71	73.69	12.71	0.00	1.10	1.01	3,116.39
Transport Refrigeration Unit - Instate Truck		37.93	47.91	4.13	0.00	2.46	2.27	1,268.03
Total		135.65	121.61	16.84	0.00	3.56	3.28	4,384.41
Total (tons/yr)		24.76	22.19	3.07	0.00	0.65	0.60	

This page intentionally left blank