

APPENDIX B:
AIR QUALITY AND GREENHOUSE GAS STUDY



MetroWalk Project

Air Quality and Greenhouse Gas Study

prepared for

BluMax Santa Clarita, LLC
2001 Wilshire Boulevard, Suite 401
Santa Monica, California 90403
Contact: Mr. Adam Browning

prepared by

Rincon Consultants, Inc.
250 East 1st Street, Suite 1400
Los Angeles, California 90012

December 2020



RINCON CONSULTANTS, INC.

Environmental Scientists | Planners | Engineers

rinconconsultants.com

Table of Contents

1	Project Description	1
1.1	Introduction	1
1.2	Project Summary.....	1
1.2.1	Project Location	1
1.2.2	Project Description	4
1.2.3	Construction	5
1.2.4	Sustainability Features.....	5
2	Air Quality	8
2.1	Environmental and Regulatory Setting.....	8
2.1.1	Local Climate and Meteorology.....	8
2.1.2	Air Pollutants of Primary Concern	8
2.1.3	Air Quality Regulation.....	10
2.1.4	Current Air Quality.....	12
2.2	Impact Analysis	13
2.2.1	Methodology	13
2.2.2	Significance Thresholds	14
2.2.3	Project-Level Impact Analysis	16
2.2.4	Cumulative Impact Analysis.....	25
3	Greenhouse Gas Emissions.....	26
3.1	Environmental and Regulatory Setting.....	26
3.1.1	Climate Change and Greenhouse Gases.....	26
3.1.2	Greenhouse Gas Emissions Inventory	27
3.1.3	Potential Effects of Climate Change	27
3.1.4	Regulatory Setting	30
3.2	Impact Analysis	33
3.2.1	Significance Thresholds	33
3.2.2	Methodology	35
3.2.3	Project-Level Impact Analysis	38
3.2.4	Cumulative Impact Analysis.....	44
4	Conclusions	45
5	References	46

Tables

Table 1	Project Summary.....	4
Table 2	Parking Summary	5

Table 3	Federal and State Ambient Air Quality Standards	11
Table 4	Ambient Air Quality – Santa Clarita Monitoring Station (2016-2018)	12
Table 5	SCAQMD Regional Significance Thresholds	15
Table 6	SCAQMD LSTs for Construction (SRA 13)	16
Table 7	Estimated Maximum Daily Construction Emissions.....	19
Table 8	Estimated Maximum Daily On-site Construction Emissions	20
Table 9	Estimated Operational Emissions	21
Table 10	Health Risks Associated with Construction Activity	23
Table 11	Mitigated Construction Health Risks	24
Table 12	Project Consistency with City of Santa Clarita CAP and General Plan	40
Table 13	Project Consistency with Applicable SCAG 2020-2045 RTP/SCS Strategies.....	41
Table 14	Estimated Construction Emissions of Greenhouse Gases	43
Table 15	Combined Annual Emissions.....	44

Figures

Figure 1	Regional Location	2
Figure 2	Project Site Location	3
Figure 3	Project Site Plan	7

Appendices

Appendix A	Air Quality and Greenhouse Gas Modeling Results	
------------	-------------------------------------------------	--

1 Project Description

1.1 Introduction

This study analyzes the potential air quality and greenhouse gas (GHG) impacts of the proposed MetroWalk Project (herein referred to as “proposed project” or “project”) in Santa Clarita, California. Rincon Consultants, Inc. (Rincon) prepared this study for BluMax Santa Clarita, LLC for use in support of the Sustainable Communities Environmental Assessment (SCEA) being prepared for the project pursuant to the California Environmental Quality Act (CEQA). The purpose of this study is to analyze the project’s air quality and GHG impacts related to both temporary construction activity and long-term operation of the project.

1.2 Project Summary

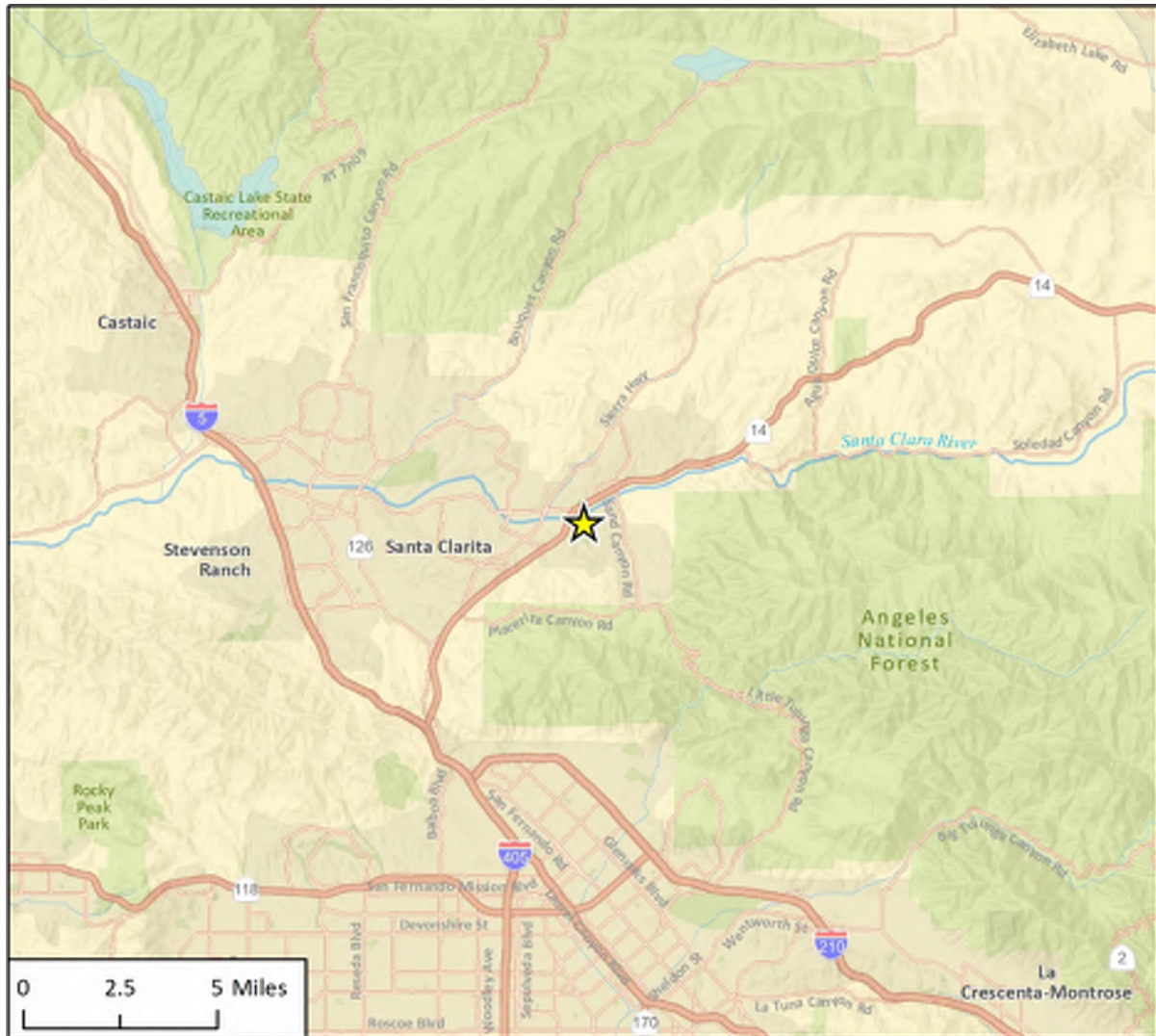
1.2.1 Project Location

The project site is an approximately 20.4-acre undeveloped parcel (Assessor’s Parcel Number 2840-004-009) located east of Lost Canyon Road and south of the Vista Canyon Mixed-Use Project in Santa Clarita, California. State Route 14 is located approximately 0.3 mile west of the project site and provides regional access to the area. The project site has a General Plan Land Use designation of Business Park (BP) and is zoned Business Park (BP). The project would require a General Plan Amendment and Zone Change to accommodate the proposed residential development. Figure 1 shows the regional location of the project site, and Figure 2 shows an aerial view of the project site and surrounding area.

Surrounding land uses include the 185-acre Vista Canyon Mixed-Use Project currently under construction to the north and single-family residences to the south, west, and east. The Vista Canyon Mixed-Use Project will consist of residential, commercial, office, retail and hotel uses in addition to open space, parks, and trails. A multi-modal transit hub for Metrolink, parking, and bus transfers is also planned to be sited adjacent to the project site and the Vista Canyon Mixed-Use Project.

Union Pacific Railroad tracks are located immediately south of the project site and provide service for the Metrolink Antelope Valley Line, which is a commuter rail line from Lancaster to Los Angeles Union Station. In addition, an approximately 14-acre ranch with a rural residential home is located approximately 0.1 mile to the east.

Figure 1 Regional Location



Imagery provided by Esri and its licensors © 2019.

★ Project Location



Fig. 1 Regional Location

Figure 2 Project Site Location



1.2.2 Project Description

The proposed project would involve construction of a mixed-income residential development with a total of 498 residential units. As shown in Table 1, the project would include 179 multi-family residential units, 169 age-qualified apartments (50 of which would be affordable senior housing units), and 150 three-story townhomes. The proposed project would also provide approximately 147,665 square feet (SF) of parks, clubrooms, pools and landscaped walkways in addition to approximately 63,506 SF of rear yards and private patio decks. In addition, as shown in Table 2, the project would include approximately 902 parking spaces with 631 garage/covered spaces and 271 uncovered/surface parking spaces. Figure 3 presents the project site plan.

Table 1 Project Summary

Unit Type	Square Footage per Unit	Number of Units
Market Rate All-Ages Apartments		
Studio + 1 Bath	500	26
1 Bed + 1 Bath	678	116
2 Bed + 2 Bath	1,041	37
Total		179
Age-Qualified Apartments		
1 Bed +1 Bath	678	84
2 Bed + 2 Bath	1,041	35
Total		119
Deed Restricted Affordable Senior Apartments		
1 Bed +1 Bath	650	49
2 Bed + 2 Bath (Manager's)	950	1
Total		50
Townhomes		
2 Bed + 2.5 Bath	1,340 – 1,365	59
3 Bed + 2 Full Bath + 2 Half Bath	1,753 – 1,998	85
3 Bed + 2.5 Bath	2,292	6
Total		150
Total Residential Units		498

Table 2 Parking Summary

Type of Parking	Number of Spaces	
Apartments	331	Covered
	196	Uncovered
Townhomes	300	Private Garage
	75	Uncovered
Parking Spaces Subtotal	631	Covered/Garage
	271	Uncovered
Total Parking	902	Spaces

1.2.3 Construction

Project construction is expected to commence in March 2022 with full buildout of all phases completed by mid- to late 2027. Site preparation of the site would occur over the course of the first two months and grading and drainage/utilities installation would occur over the next nine months. Paving would occur over two weeks. Buildings would then be constructed in phases over the course of 49 months, starting with construction of the multi-family apartments and townhomes, followed by the age-qualified apartments and the senior affordable housing units. Architectural coating would occur over the course of 10 months for each phase. No demolition activities would be required.

Construction activities would occur between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, and 8:00 a.m. to 6:00 p.m. on Saturday. Santa Clarita Municipal Code (SCMC) Section 11.44.080 indicates construction work is prohibited on Sundays, New Year's Day, Independence Day, Thanksgiving Day, Christmas Day, Memorial Day, and Labor Day. The project would consist of approximately 400,000 cubic yards of cut, up to 400,000 cubic yards of fill, and approximately 400,000 cubic yards of remedial grading. No dirt would be hauled on or off the site. Construction waste from the project site would be hauled to Chiquita Canyon Landfill, approximately 15 to 20 miles west of the project site, depending on the route taken. The following three haul truck routes could be used:¹

- Trucks could leave the project site by turning left onto Lost Canyon Road, taking State Route 14 south, to Interstate 5 north, and to State Route 126 west to the landfill site.
- Trucks could leave the project site by turning left onto Lost Canyon Road, left onto Soledad Canyon Road and Newhall Ranch Road, and to State Route 126 west to the landfill site.
- Trucks could leave the project site by turning left onto Lost Canyon Road, to Golden Valley Road, to Newhall Ranch Road, and to State Route 126 west to the landfill site.

1.2.4 Sustainability Features

The project would be built in accordance with the City of Santa Clarita Green Building Code (Santa Clarita Municipal Code Title 25, Chapter 25.01), which adopted by reference the 2019 California Green Building Standards Code [CALGreen] as well as the City of Santa Clarita Energy Conservation

¹ To provide a conservative estimate of project emissions, this analysis assumes the longest 20-mile haul route would be used.

Code (Santa Clarita Municipal Code Title 24), which adopts by reference the 2019 Building Energy Efficiency Standards Code. In addition, as project design features, the project would install light-emitting diode (LED) streetlights, utilize reclaimed water for all landscape irrigation, and include approximately 54 electric vehicle (EV) charging spaces capable of supporting future EV supply equipment for multi-family units and approximately 150 EV spaces with the capability for EV charging for townhomes.

Figure 3 Project Site Plan



Source: Withee Malcom, February 28, 2020

2 Air Quality

2.1 Environmental and Regulatory Setting

2.1.1 Local Climate and Meteorology

The project site is in the South Coast Air Basin (SCAB), which is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The SCAB includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties in addition to the San Geronio Pass area in Riverside County. The regional climate in the SCAB is semi-arid and is characterized by warm summers, mild winters, infrequent seasonal rainfall, moderate daytime onshore breezes, and moderate humidity. The air quality in the SCAB is primarily influenced by meteorology and a wide range of emission sources, such as dense population centers, substantial vehicular traffic, and industry.

Air pollutant emissions in the SCAB are generated primarily by stationary and mobile sources. Stationary sources can be divided into two major subcategories: point and area sources. Point sources occur at a specific location and are often identified by an exhaust vent or stack. Examples include boilers or combustion equipment that produce electricity or generate heat. Area sources are widely distributed and include such sources as residential and commercial water heaters, painting operations, lawn mowers, agricultural fields, landfills, and some consumer products. Mobile sources refer to emissions from motor vehicles, including tailpipe and evaporative emissions, and are classified as either on-road or off-road. On-road sources may be legally operated on roadways and highways. Off-road sources include aircraft, ships, trains, and self-propelled construction equipment. Air pollutants can also be generated by the natural environment, such as when high winds suspend fine dust particles.

2.1.2 Air Pollutants of Primary Concern

Primary criteria pollutants are emitted directly from a source (e.g., vehicle tailpipe, an exhaust stack of a factory, etc.) into the atmosphere. Primary criteria pollutants include carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), particulate matter with diameters of up to ten microns (PM₁₀) and up to 2.5 microns (PM_{2.5}), and lead (Pb). Ozone (O₃) is considered a secondary criteria pollutant because it is created by atmospheric chemical and photochemical reactions between volatile organic compounds (VOC) and nitrogen oxides (NO_x). The following subsections describe the characteristics, sources, and health and atmospheric effects of critical air contaminants.

Ozone

Ozone is produced by a photochemical reaction (triggered by sunlight) between NO_x and VOC.² Nitrogen oxides are formed during the combustion of fuels, while VOC are formed during combustion and evaporation of organic solvents. Because O_3 requires sunlight to form, it usually occurs in substantial concentrations between the months of April and October. Ozone is a pungent, colorless, toxic gas with direct health effects on humans including respiratory and eye irritation and possible changes in lung functions. Groups most sensitive to O_3 include children, the elderly, people with respiratory disorders, and people who exercise strenuously outdoors.

Carbon Monoxide

Carbon monoxide is a local pollutant that is found in high concentrations only near fuel combustion equipment and other sources of CO. The primary source of CO, a colorless, odorless, poisonous gas, is automobile traffic. Therefore, elevated concentrations are usually only found near areas of high traffic volumes. Carbon monoxide's health effects are related to its affinity for hemoglobin in the blood. At high concentrations, CO reduces the amount of oxygen in the blood, causing heart difficulty in people with chronic diseases, reduced lung capacity, and impaired mental abilities.

Nitrogen Dioxide

Nitrogen dioxide is a by-product of fuel combustion, with the primary source being motor vehicles and industrial boilers and furnaces. The principal form of nitrogen oxide produced by combustion is nitric oxide (NO), but NO reacts rapidly to form NO_2 , creating the mixture of NO and NO_2 commonly called NO_x . Nitrogen dioxide is an acute irritant. A relationship between NO_2 and chronic pulmonary fibrosis may exist, and an increase in bronchitis in young children at concentrations below 0.3 parts per million (ppm) may occur. Nitrogen dioxide absorbs blue light, gives a reddish-brown cast to the atmosphere, and reduces visibility. It can also contribute to the formation of ozone/smog and acid rain.

Suspended Particulates

Atmospheric particulate matter is comprised of finely divided solids and liquids such as dust, soot, aerosols, fumes, and mists. The particulates that are of particular concern are PM_{10} (small particulate matter which measures no more than 10 microns in diameter) and $\text{PM}_{2.5}$ (fine particulate matter which measures no more than 2.5 microns in diameter). The characteristics, sources, and potential health effects associated with PM_{10} and $\text{PM}_{2.5}$ can be different. Major man-made sources of PM_{10} are agricultural operations, industrial processes, combustion of fossil fuels, construction, demolition operations, and entrainment of road dust into the atmosphere. Natural sources include windblown dust, wildfire smoke, and sea spray salt. The finer $\text{PM}_{2.5}$ particulates are generally associated with combustion processes as well as formation in the atmosphere as a secondary pollutant through chemical reactions. $\text{PM}_{2.5}$ is more likely to penetrate deeply into the lungs and poses a serious health threat to all groups, but particularly to the elderly, children, and those with respiratory problems. More than half of the small and fine particulate matter that is inhaled into the

² Organic compound precursors of ozone are routinely described by a number of variations of three terms: hydrocarbons (HC), organic gases (OG), and organic compounds (OC). These terms are often modified by adjectives such as total, reactive, or volatile, and result in a rather confusing array of acronyms: HC, THC (total hydrocarbons), RHC (reactive hydrocarbons), TOG (total organic gases), ROG (reactive organic gases), TOC (total organic compounds), ROC (reactive organic compounds), and VOC (volatile organic compounds). While most of these differ in some significant way from a chemical perspective, two groups are important from an air quality perspective: non-photochemically reactive in the lower atmosphere, or photochemically reactive in the lower atmosphere (HC, RHC, ROG, ROC, and VOC). The SCAQMD uses the term VOC to denote organic precursors.

lungs remains there, which can cause permanent lung damage (South Coast Air Quality Management District 2005). These materials can damage health by interfering with the body's mechanisms for clearing the respiratory tract or by acting as carriers of an absorbed toxic substance.

Lead

Lead is a metal found naturally in the environment, as well as in manufacturing products. Lead occurs in the atmosphere as particulate matter. The major sources of Pb emissions historically have been mobile and industrial sources. In the early 1970s, the United States Environmental Protection Agency (U.S. EPA) set national regulations to gradually reduce the lead content in gasoline. In 1975, unleaded gasoline was introduced for motor vehicles equipped with catalytic converters. The U.S. EPA completed the ban prohibiting the use of leaded gasoline in highway vehicles in December 1995. As a result of the U.S. EPA's regulatory efforts to remove lead from gasoline, atmospheric lead concentrations have declined substantially over the past several decades. The most dramatic reductions in lead emissions occurred prior to 1990 due to the removal of lead from gasoline sold for most highway vehicles. Lead emissions were further reduced substantially between 1990 and 2008, with reductions occurring in the metals industries in part due to national emissions standards for hazardous air pollutants (U.S. EPA 2013). As a result of phasing out leaded gasoline, metal processing is currently the primary source of Pb emissions. The highest levels of Pb in the air are generally found near lead smelters. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. Lead may cause a range of health effects, including anemia, kidney disease, and neuromuscular and neurological dysfunction (in severe cases). The proposed project does not include any stationary sources of lead emissions. Therefore, implementation of the project would not result in substantial emissions of lead, and this pollutant is not discussed further in this analysis.

Toxic Air Contaminants

Toxic air contaminants (TACs) are a diverse group of air pollutants that may cause or contribute to an increase in deaths or serious illness or that may pose a present or potential hazard to human health. TACs include both organic and inorganic chemical substances that may be emitted from a variety of common sources, including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and research and teaching facilities. One of the main sources of TACs in California is diesel engines that emit exhaust containing solid material known as diesel particulate matter (DPM; CARB 2011). TACs are different than the criteria pollutants previously discussed because ambient air quality standards have not been established for TACs. TACs occurring at extremely low levels may still cause health effects, and it is typically difficult to identify levels of exposure that do not produce adverse health effects. TAC impacts are described by carcinogenic risk and by chronic (i.e., of long duration) and acute (i.e., severe but of short duration) adverse effects on human health.

2.1.3 Air Quality Regulation

The federal and state governments have established ambient air quality standards for the protection of public health. The U.S. EPA is the federal agency designated to administer air quality regulation, while the California Air Resources Board (CARB) is the state equivalent within the California Environmental Protection Agency. County-level Air Quality Management Districts (AQMDs) provide local management of air quality. CARB has established air quality standards and is responsible for the control of mobile emission sources, while the local AQMDs are responsible for

enforcing standards and regulating stationary sources. CARB has established 15 air basins statewide, including the SCAB.

The U.S. EPA has set primary national ambient air quality standards (NAAQS) for O₃, CO, NO₂, PM₁₀, PM_{2.5}, SO₂, and Pb. Primary standards are those levels of air quality deemed necessary, with an adequate margin of safety, to protect public health. In addition, California has established health-based ambient air quality standards (known as the California ambient air quality standards [CAAQS]) for these and other pollutants, some of which are more stringent than the federal standards. Table 3 lists the current federal and state standards for regulated pollutants.

Table 3 Federal and State Ambient Air Quality Standards

Pollutant	Federal Standard	California Standard
Ozone	0.070 ppm (8-hr avg)	0.09 ppm (1-hr avg) 0.070 ppm (8-hr avg)
Carbon Monoxide	35.0 ppm (1-hr avg) 9.0 ppm (8-hr avg)	20.0 ppm (1-hr avg) 9.0 ppm (8-hr avg)
Nitrogen Dioxide	0.100 ppm (1-hr avg) 0.053 ppm (annual avg)	0.18 ppm (1-hr avg) 0.030 ppm (annual avg)
Sulfur Dioxide	0.075 ppm (1-hr avg) 0.5 ppm (3-hr avg) 0.14 ppm (24-hr avg) 0.030 ppm (annual avg)	0.25 ppm (1-hr avg) 0.04 ppm (24-hr avg)
Lead	0.15 µg/m ³ (rolling 3-month avg) 1.5 µg/m ³ (calendar quarter)	1.5 µg/m ³ (30-day avg)
Particulate Matter (PM ₁₀)	150 µg/m ³ (24-hr avg)	50 µg/m ³ (24-hr avg) 20 µg/m ³ (annual avg)
Particulate Matter (PM _{2.5})	35 µg/m ³ (24-hr avg) 12 µg/m ³ (annual avg)	12 µg/m ³ (annual avg)
Visibility-Reducing Particles	No Federal Standards	Extinction coefficient of 0.23 per kilometer – visibility of ten miles or more (0.07 - 30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70 percent. Method: Beta Attenuation and Transmittance through Filter Tape. (8-hr avg)
Sulfates	No Federal Standards	25 µg/m ³ (24-hr avg)
Hydrogen Sulfide	No Federal Standards	0.03 ppm (1-hr avg)
Vinyl Chloride	No Federal Standards	0.01 ppm (24-hr avg)

ppm= parts per million; µg/m³ = micrograms per cubic meter

Source: CARB 2016

The South Coast Air Quality Management District (SCAQMD) is the designated air quality control agency in the SCAB, which is a non-attainment area for the federal standards for ozone and PM_{2.5} and the state standards for ozone, PM₁₀, and PM_{2.5}. The Los Angeles County portion of the SCAB is also designated non-attainment for the federal lead standard (SCAQMD 2016). The SCAB is designated unclassifiable or in attainment for all other federal and state standards.

2.1.4 Current Air Quality

The SCAQMD operates a network of air quality monitoring stations throughout the SCAB. The purpose of the monitoring stations is to measure ambient concentrations of pollutants and to determine whether ambient air quality meets the California and federal standards. The monitoring station closest to the project site is the Santa Clarita station located at 22224 Placerita Canyon Road in Santa Clarita, approximately 2.9 miles northeast of the project site. Table 4 indicates the number of days that each of the federal and state standards has been exceeded at this station in each year from 2016 to 2018. The data indicate that the federal and state eight-hour ozone standards and state worst hour ozone standard were exceeded each year from 2016 to 2018. In addition, the state PM₁₀ standard was exceeded in 2016 and 2017. As shown in Table 4, no other state or federal standards were exceeded at these monitoring stations.

Table 4 Ambient Air Quality – Santa Clarita Monitoring Station (2016-2018)

Pollutant	2016	2017	2018
Ozone (ppm), Eight-Hour Average	0.115	0.128	0.106
Number of days of state exceedances (>0.070 ppm)	57	73	52
Number of days of federal exceedances (>0.070 ppm)	57	73	52
Ozone (ppm), Worst Hour ¹	0.130	0.151	0.132
Number of days of state exceedances (>0.09 ppm)	29	45	21
Carbon Monoxide (ppm), Highest 8-Hour Average ²	0.8	0.8	1.2
Number of days above State or Federal standard (>9.0 ppm)	0	0	0
Nitrogen Dioxide (ppm), Worst Hour ¹	0.0464	0.0576	0.0589
Number of days of state exceedances (>0.18 ppm)	0	0	0
Particulate Matter <10 microns (µg/m ³), Worst 24 Hours ²	96.0	66.5	49.4
Number of days of state exceedances (>50 µg/m ³)	1	2	0
Number of days of federal exceedances (>150 µg/m ³)	0	0	0
Particulate Matter <2.5 microns (µg/m ³), Worst 24 Hours ¹	33.9	32.6	31.9
Number of days of state exceedances (>35 µg/m ³)	0	0	0

ppm = parts per million; µg/m³ = micrograms per cubic meter
 Source: CARB 2020 and U.S. EPA 2020

Air Quality Management Plan

Under state law, the SCAQMD is required to prepare a plan for air quality improvement for pollutants for which the SCAB is in non-attainment under the NAAQS. The SCAQMD updates the plan every three years. Each iteration of the SCAQMD's Air Quality Management Plan (AQMP) is an update of the previous plan and has a 20-year horizon. The latest AQMP, the 2016 AQMP, was adopted on March 3, 2017. It incorporates new scientific data and notable regulatory actions that have occurred since adoption of the 2012 AQMP, including the approval of the new federal eight-hour ozone standard of 0.070 ppm that was finalized in 2015.

The Final 2016 AQMP addresses several state and federal planning requirements and incorporates new scientific information, primarily in the form of updated emissions inventories, ambient measurements, and meteorological air quality models. The Southern California Association of Governments' (SCAG) projections for socio-economic data (e.g., population, housing, employment by industry) and transportation activities from the 2016 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS) are integrated into the 2016 AQMP. The 2016 AQMP builds upon the approaches taken in the 2012 AQMP for the attainment of federal PM and ozone standards and highlights the significant amount of reductions to be achieved. It emphasizes the need for interagency planning to identify additional strategies to achieve reductions within the timeframes allowed under the federal Clean Air Act, especially in the area of mobile sources. The 2016 AQMP also includes a discussion of emerging issues and opportunities, such as fugitive toxic particulate emissions, zero-emission mobile source control strategies, and the interacting dynamics among climate, energy, and air pollution. The AQMP demonstrates strategies for attainment of the new federal eight-hour ozone standard and vehicle miles travelled (VMT) emissions offsets, pursuant to recent U.S. EPA requirements (SCAQMD 2017).

Sensitive Receptors

Ambient air quality standards have been established to represent the levels of air quality considered sufficient, with a margin of safety, to protect public health and welfare. They are designed to protect that segment of the public most susceptible to respiratory distress, such as children under 14; the elderly over 65; people engaged in strenuous work or exercise; and people with cardiovascular and chronic respiratory diseases. Therefore, most sensitive receptor locations are schools, hospitals, and residences.

The sensitive receptors nearest to the project site are single-family homes located approximately 200 feet west of the project site and the nearest planned sensitive receptors are residences sited approximately 100 feet north of the project site as part of the Vista Canyon Mixed-Use Project, which is currently under construction. Additional sensitive receptors include residences approximately 250 feet south of the project site across the Union Pacific Railroad tracks.

2.2 Impact Analysis

2.2.1 Methodology

The project's construction and operational emissions were estimated using the California Emissions Estimator Model (CalEEMod), version 2016.3.2 and the CARB's Emission FACTors (EMFAC) 2017 model. CalEEMod uses project-specific information, including the project's land uses, square footages for different uses, and location, to estimate a project's construction and operational emissions.

Construction emissions modeled include emissions generated by construction equipment used on-site and emissions generated by vehicle trips associated with construction, such as worker and vendor trips. The construction schedule and construction equipment list were based on applicant-provided data. Only the building construction and architectural coating phases would overlap; all other phases would occur at separate times. Due to the nature of construction activities, the number of construction equipment, and the size limitations of the project site, it was assumed that each of the nine pieces of equipment utilized during the grading phase would operate for approximately four hours each day. This analysis assumes that all construction equipment would be diesel-powered. No import or export of soil material would be required and no demolition would occur because the project site is currently vacant. It was assumed that approximately 18,076 cubic yards of construction waste would be generated over the building construction phase, which would result in approximately 1,130 haul truck trips over the approximately five-year construction period (i.e., one haul truck trip per day of the building construction phase) assuming a standard haul truck capacity of 16 cubic yards.³ It was assumed that project construction would comply with all applicable regulatory standards, including SCAQMD Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coatings) and the City of Santa Clarita Green Building Code and Energy Conservation Code.

Operational emissions modeled include mobile source emissions (i.e., vehicle emissions), energy emissions, and area source emissions. Energy and area source emissions were calculated in CalEEMod. Emissions attributed to energy use include emissions from natural gas consumption for space and water heating. Area source emissions are generated by landscape maintenance equipment, consumer products, and architectural coatings. Mobile source emissions consist of emissions generated by vehicle trips to and from the project site. The trip generation rates for the various residential land uses provided by Fehr & Peers via e-mail correspondence in February 2020 were input in CalEEMod to estimate VMT (Zhou 2020). The “Increase Density,” “Integrate Below Market Rate Housing,” and “Improve Pedestrian Network” options in CalEEMod were used to account for project design features that would reduce VMT associated with project-related trips. The VMT estimate from CalEEMod and trip generation estimates from Fehr & Peers were then utilized with EMFAC2017 to calculate mobile source emissions outside of CalEEMod because CalEEMod relies on an older version of the EMFAC model (EMFAC2014). Criteria pollutant emission factors were obtained from the EMFAC2017 Emissions Inventory based on the aggregated model year and aggregated speed for the Los Angeles - South Coast subarea for year 2028.

2.2.2 Significance Thresholds

To determine whether a project would result in a significant impact to air quality, Appendix G of the *CEQA Guidelines* requires consideration of whether a project would:

1. Conflict with or obstruct implementation of the applicable air quality plan;
2. 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;
3. Expose sensitive receptors to substantial pollutant concentrations; or
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

³ Assumes a construction waste index of 0.250 cubic meters per square meter of gross floor area (0.327 cubic yard per 10.8 square feet) for private residential construction (Cheng, Jack C.P. and Lauren Y.H. Ma 2013).

The SCAQMD has adopted guidelines for quantifying and determining the significance of air quality emissions in its *CEQA Air Quality Handbook* (1993).

Regional Significance Thresholds

The SCAQMD recommends quantitative regional significance thresholds for temporary construction activities and long-term project operation in the SCAB, shown in Table 5.

Table 5 SCAQMD Regional Significance Thresholds

Construction Thresholds	Operational Thresholds
75 pounds per day of VOC	55 pounds per day of VOC
100 pounds per day of NO _x	55 pounds per day of NO _x
550 pounds per day of CO	550 pounds per day of CO
150 pounds per day of SO _x	150 pounds per day of SO _x
150 pounds per day of PM ₁₀	150 pounds per day of PM ₁₀
55 pounds per day of PM _{2.5}	55 pounds per day of PM _{2.5}

VOC = volatile organic compounds; NO_x = nitrogen oxides; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter measuring no more than 10 microns in diameters; PM_{2.5} = particulate matter measuring no more than 2.5 microns in diameter

Source: SCAQMD 2015

Localized Significance Thresholds

In addition to regional thresholds, the SCAQMD has developed Localized Significance Thresholds (LSTs) in response to the Governing Board's Environmental Justice Enhancement Initiative (1-4), which was prepared to update the CEQA Air Quality Handbook. LSTs were devised in response to concern regarding exposure of individuals to criteria pollutants in local communities. LSTs represent the maximum emissions from a project that will not cause or contribute to an air quality exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest sensitive receptor, taking into consideration ambient concentrations in each source receptor area (SRA), project size, and distance to the sensitive receptor. However, LSTs only apply to emissions within a fixed stationary location, including idling emissions during both project construction and operation. LSTs have been developed for NO_x, CO, PM₁₀, and PM_{2.5}. LSTs do not apply to mobile sources such as cars on a roadway (SCAQMD 2008). As such, LSTs for operational emissions do not apply to on-site development because the majority of emissions would be generated by cars on the roadways. According to the SCAQMD (2008) *Final Localized Significance Thresholds Methodology*, the use of LSTs is voluntary, to be implemented at the discretion of local agencies.

The project involves an approximately 19-acre disturbance area and the project site is located in SRA 13 (Santa Clarita Valley). The SCAQMD provides LSTs for one-, two-, and five-acre project sites for receptors at a distance of 82 to 1,640 feet (25 to 500 meters) from the project site boundary. It is unlikely that more than five acres would be under active construction at one time; therefore, this analysis utilizes the LSTs for a five-acre construction site. These LSTs provide a more stringent threshold for construction emissions compared to the analysis of emissions over a larger area. The nearest sensitive receptors to the project site are residences currently under construction as part of the Vista Canyon Mixed-Use Project located approximately 100 feet north. According to the SCAQMD (2008) *Final Localized Significance Thresholds Methodology*, projects with boundaries located closer than 164 feet to the nearest receptor should use the LSTs for receptors located at 82

feet. Table 6 summarizes the LSTs for construction on a five-acre site in SRA 13 with sensitive receptors located at a distance of 82 feet.

Table 6 SCAQMD LSTs for Construction (SRA 13)

Pollutant	Allowable Emissions for a 5-acre Site in SRA 13 with a Receptor Distance of 82 feet (lbs/day)
Gradual Conversion of NO _x to NO ₂	246
CO	1,644
PM ₁₀	12
PM _{2.5}	6

Source: SCAQMD 2009

Toxic Air Contaminants

The U.S. EPA considers for risk management those pollutants that could cause cancer risks between one in 10,000 (1.0×10^{-4}) and one in one million (1.0×10^{-6}). Proposition 65 (California Health and Safety Code Section 25249.6), enacted in 1986, prohibits a person in the course of doing business from knowingly and intentionally exposing any individual to a chemical that has been listed as known to the state to cause cancer or reproductive toxicity without first giving clear and reasonable warning. For a chemical that is listed as a carcinogen, the “no significant risk” level under Proposition 65 is defined as the level that is calculated to result in not more than one excess case of cancer in 100,000 individuals (1.0×10^{-5}). The SCAQMD recommends the use of this risk level (also reportable as 10 in one million) as the significance threshold for toxic air contaminants (SCAQMD 2015).

The SCAQMD also recommends that the non-carcinogenic hazards of TACs should not exceed a hazard index (the summation of the hazard quotients for all chemicals to which an individual would be exposed) of 1.0 for either chronic or acute effects (SCAQMD 2015). As discussed in the Construction Health Risk Assessment prepared by the project, DPM is not associated with acute health risks, and acute health risks are not analyzed herein (Rincon Consultants 2020).

2.2.3 Project-Level Impact Analysis

Threshold 1: Would the project conflict with or obstruct implementation of the applicable air quality plan?

Impact AQ-1 THE PROJECT WOULD NOT CONFLICT WITH OR OBSTRUCT IMPLEMENTATION OF THE 2016 AQMP. NO IMPACT WOULD OCCUR.

A project may be inconsistent with the AQMP if it would generate population, housing, or employment growth exceeding forecasts used in the development of the AQMP. The 2016 AQMP, the most recent AQMP adopted by the SCAQMD, incorporates local general plans and the SCAG 2016-2040 RTP/SCS socioeconomic forecast projections of regional population, housing and

employment growth.⁴ The SCAG socioeconomic forecast projections are based on local general plans adopted at the time of preparation of the forecasts.

The City's General Plan EIR estimated that the projected General Plan buildout population would be approximately 275,000 residents. Of this total, approximately 35,077 residents would be added to the City's population as a result of annexations within the Sphere of Influence (including annexation of the project site) and growth that would occur in the City's planning area between 2035 and 2040. Residents in the Santa Clarita Sphere of Influence annexation areas are not included in SCAG's 2040 population forecast for the city because they are included in the forecast for unincorporated Los Angeles County (City of Santa Clarita 2010). Therefore, to provide an apples-to-apples comparison of the AQMP's population forecast for Santa Clarita and the City's cumulative plus project population estimate, these residents are removed from the City's cumulative population forecast estimate.

The remaining 239,923 residents would constitute the City's population in 2035, excluding annexed areas and post-2035 growth; this estimate represents cumulative growth in Santa Clarita for year 2035 (City of Santa Clarita 2010). The General Plan EIR does not distinguish between the number of residents associated with future annexations and the number of residents associated with post-2035 growth. As a result, this analysis utilizes a forecast year of 2035 rather than 2040 because this is the year for which an estimated cumulative population forecast associated with General Plan buildout in Santa Clarita is readily available and supported by substantial evidence in the General Plan EIR.

The development of 498 residential units on the project site would cause a direct increase in the population of Santa Clarita. According to the California State Department of Finance (2020), the existing population of Santa Clarita is 221,932 residents, and the average household size is 2.97 persons. Based on the average household size, the proposed project would accommodate approximately 1,479 persons (498 units x 2.97 persons/unit). In addition, the project would generate approximately five new employment opportunities for leasing office and property maintenance staff, which may indirectly increase the city's population.

The project site currently has a General Plan Land Use designation of Business Park (BP) and is zoned Business Park (BP). Because the project involves a General Plan Amendment and Zone Change to change the land use designation and zoning to Specific Plan, the project's population was not accounted for in this population forecast. Therefore, conservatively assuming that all employees associated with the project are new residents in the city, the project would increase the City's anticipated 2035 population to approximately 241,407 residents (239,923 + 1,479 + 5). SCAG estimated the population of Santa Clarita to be approximately 202,000 residents in 2016 and projected a 2040 population for Santa Clarita of 262,200 residents. Based on linear interpolation, the 2035 population of Santa Clarita is forecast to be approximately 249,658 residents. The City's cumulative plus project population forecast of approximately 241,407 residents (239,923 + 1,479 + 5) would not exceed SCAG's interpolated forecast 2035 population of 249,658 residents for Santa Clarita, which represents the forecast for the city under General Plan buildout. Moreover, population growth in the annexation areas in the City's Sphere of Influence, which were accounted for in the SCAG population forecasts for unincorporated Los Angeles County, is estimated by SCAG to be approximately 233,000 residents between 2016 and 2040 (SCAG 2016). The proposed project's direct and indirect population of 1,484 persons (1,479 + 5) would be approximately 0.6

⁴ On September 3, 2020, SCAG's Regional Council formally adopted the 2020-2045 RTP/SCS (titled Connect SoCal). However, the 2016 AQMP was adopted prior to this date and relies on the demographic and growth forecasts of the 2016-2040 RTP/SCS; therefore, these forecasts are utilized in the analysis of the project's consistency with the AQMP.

percent of estimated growth for unincorporated Los Angeles County and would therefore also be well within this growth projection.

The city of Santa Clarita currently provides approximately 73,500 employment opportunities (SCAG 2017). Due to the relatively small size of the proposed project and the nature of the construction employment opportunities, it is anticipated construction workers would be from the existing local or regional workforce. As discussed above, the project would provide approximately five permanent employment opportunities, which would increase employment opportunities in Santa Clarita to 73,505. SCAG forecasts that the number of jobs in Santa Clarita will increase to approximately 95,900 units by 2040. Therefore, project-related employment opportunities would be within SCAG's 2040 jobs forecast for Santa Clarita.

The city of Santa Clarita currently contains approximately 77,008 housing units. The project would increase the city's housing stock by 498 units to approximately 77,506 units. SCAG forecasts that the number of households in Santa Clarita will increase to approximately 90,300 units by 2040 (SCAG 2017). Therefore, the project's increase in housing units would be within SCAG's projected 2040 housing stock for Santa Clarita.

Given the above discussion, population, employment, and housing growth associated with the proposed project would be within SCAG population growth forecasts, and the project would be consistent with the underlying assumptions of the emissions forecasts contained in the AQMP. No impact would occur.

Threshold 2 Would the project 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?

Impact AQ-2 THE PROJECT WOULD NOT RESULT IN A CUMULATIVELY CONSIDERABLE NET INCREASE IN OF ANY CRITERIA POLLUTANT FOR WHICH THE PROJECT REGION IS IN NON-ATTAINMENT UNDER AN APPLICABLE FEDERAL OR STATE AMBIENT AIR QUALITY STANDARD. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

As discussed under Section 2.1.2, *Air Quality Regulation*, criteria pollutants include O₃, CO, NO₂, PM₁₀, PM_{2.5}, SO₂, and Pb. The SCAB is a non-attainment area for the federal standards for ozone and PM_{2.5} and the state standards for ozone, PM₁₀, and PM_{2.5}. The Los Angeles County portion of the SCAB is also designated non-attainment for lead (SCAQMD 2016). The SCAB is designated unclassifiable or in attainment for all other federal and state standards.

Construction Emissions

Table 7 and Table 8 summarize the estimated maximum daily emissions and estimated maximum daily on-site emissions, respectively, of pollutants associated with construction of the proposed project. Emissions modelling accounts for compliance with SCAQMD Rule 403, which regulates fugitive dust emissions during demolition, grading, and construction activities to minimize emissions of PM₁₀ and PM_{2.5} and SCAQMD Rule 1113, which regulates the VOC content of architectural coatings to minimize emissions of VOCs during construction activities. As shown in Table 7 and Table 8, construction emissions of VOC, NO_x, CO, SO₂, PM₁₀, and PM_{2.5} would not exceed SCAQMD regional thresholds or LSTs. Therefore, project construction emissions would not result in a cumulatively considerable net increase of a criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard. The impact would be less than significant.

Table 7 Estimated Maximum Daily Construction Emissions

Construction Year	Maximum Emissions (lbs/day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
2022						
<i>Site Preparation</i>	0.9	8.6	4.7	< 0.1	2.8	1.7
<i>Grading</i>	4.7	47.2	33.7	0.1	4.3	2.6
<i>Utility Improvements</i>	0.9	8.5	4.6	< 0.1	2.7	1.6
2023						
<i>Utility Improvements</i>	0.8	7.0	4.2	< 0.1	2.7	1.6
<i>Paving</i>	0.6	5.1	7.6	< 0.1	0.3	0.3
<i>Building Construction</i>	5.9	37.6	57.9	0.1	7.9	3.1
<i>Building Construction + Architectural Coating</i>	18.0	57.9	89.7	0.2	10.0	4.3
2024						
<i>Building Construction + Architectural Coating</i>	17.5	54.9	88.1	0.2	9.7	4.0
2025						
<i>Building Construction + Architectural Coating</i>	9.3	51.7	86.5	0.2	9.4	3.8
2026						
<i>Building Construction + Architectural Coating</i>	9.2	51.5	85.3	0.2	9.4	3.8
2027						
<i>Building Construction + Architectural Coating</i>	9.1	51.4	84.2	0.2	9.5	3.8
Maximum Emissions (lbs/day)	18.0	57.9	89.7	0.2	10.0	4.3
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

VOC = volatile organic compounds; NO_x = nitrogen oxides; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter measuring 10 microns or less in diameter; PM_{2.5} = particulate matter measuring 2.5 microns or less in diameter

Notes: All emissions modeling was completed using CalEEMod. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from CalEEMod's "mitigated" results, which is a term of art for the modeling output and is not equivalent to mitigation measures that may apply to the CEQA impact analysis. The CalEEMod "mitigated" results account for compliance with regulations and project design features. Emissions presented are the highest of the winter and summer modeled emissions.

Table 8 Estimated Maximum Daily On-site Construction Emissions

Construction Year	Maximum Emissions (lbs/day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
2022						
<i>Site Preparation</i>	0.9	8.4	4.5	< 0.1	3.1	1.9
<i>Grading</i>	4.6	47.1	32.6	0.1	4.4	2.6
<i>Utility Improvements</i>	0.9	8.4	4.5	< 0.1	3.1	1.9
2023						
<i>Utility Improvements</i>	0.8	7.0	4.0	< 0.1	3.0	1.8
<i>Paving</i>	0.5	5.1	7.3	< 0.1	0.3	0.2
<i>Building Construction</i>	3.5	28.3	39.3	0.1	1.4	1.3
<i>Building Construction + Architectural Coating</i>	15.5	48.4	66.2	0.1	2.3	2.2
2024						
<i>Building Construction + Architectural Coating</i>	15.2	45.4	66.2	0.1	2.0	1.9
2025						
<i>Building Construction + Architectural Coating</i>	6.7	42.5	66.0	0.1	1.7	1.7
2026						
<i>Building Construction + Architectural Coating</i>	6.7	42.5	66.0	0.1	1.7	1.7
2027						
<i>Building Construction + Architectural Coating</i>	6.7	42.5	66.0	0.1	1.7	1.7
Maximum On-site Emissions (lbs/day)	15.5	48.4	66.2	0.1	4.4	2.6
SCAQMD Localized Significance Thresholds (LSTs) ¹	N/A	246	1,644	N/A	12	6
Threshold Exceeded?	N/A	No	No	N/A	No	No

VOC = volatile organic compounds; NO_x = nitrogen oxides; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter measuring 10 microns or less in diameter; PM_{2.5} = particulate matter measuring 2.5 microns or less in diameter

Notes: All emissions modeling was completed using CalEEMod. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from CalEEMod's "mitigated" results, which is a term of art for the modeling output and is not equivalent to mitigation measures that may apply to the CEQA impact analysis. The CalEEMod "mitigated" results account for compliance with regulations. Emissions presented are the highest of the winter and summer modeled emissions.

¹ LSTs are for a 5-acre project site in SRA 13 with sensitive receptors within a distance of 82 feet from the site boundary.

Operational Emissions

Table 9 summarizes the estimated maximum daily emissions of pollutants associated with operation of the proposed project. The majority of project-related operational emissions would result from vehicle trips to and from the site. As shown in Table 9, operational emissions would not exceed SCAQMD regional thresholds for criteria pollutants; therefore, project operation would not 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.

Table 9 Estimated Operational Emissions

Emission Source	Maximum Daily Emissions (lbs/day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	14.2	0.5	41.1	< 0.1	0.2	0.2
Energy	0.2	1.7	0.7	< 0.1	0.1	0.1
Mobile	4.6	7.8	46.2	0.1	2.5	1.0
Project Emissions	19.0	10.0	88.0	0.1	2.8	1.3
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

VOC = volatile organic compounds; NO_x = nitrogen oxides; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter measuring 10 microns or less in diameter; PM_{2.5} = particulate matter measuring 2.5 microns or less in diameter

Notes: All emissions modeling was completed using CalEEMod and EMFAC2017. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from CalEEMod's "mitigated" results which is a term of art for the modeling output and is not equivalent to mitigation measures that may apply to the CEQA impact analysis. The CalEEMod "mitigated" results include compliance with regulations. Emissions presented are the highest of the winter and summer modeled emissions.

Threshold 3	Would the project expose sensitive receptors to substantial pollutant concentrations?
--------------------	---------------------------------------------------------------------------------------

Impact AQ-3 THE PROJECT WOULD POTENTIALLY EXPOSE SENSITIVE RECEPTORS TO SUBSTANTIAL POLLUTANT CONCENTRATIONS RELATED TO TAC EMISSIONS DURING CONSTRUCTION ACTIVITIES. IMPACTS WOULD BE LESS THAN SIGNIFICANT WITH INCORPORATION OF MITIGATION MEASURE AQ-1.

Carbon Monoxide Hotspots

A carbon monoxide (CO) hotspot is a localized concentration of CO that is above a CO ambient air quality standard. Localized CO hotspots can occur at intersections with heavy peak hour traffic. Specifically, hotspots can be created at intersections where traffic levels are sufficiently high such that the local CO concentration exceeds the federal one-hour standard of 35.0 parts per million (ppm) or the federal and state eight-hour standard of 9.0 ppm (CARB 2016).

The entire SCAB is in conformance with state and federal CO standards, and most air quality monitoring stations no longer report CO levels. No stations in the vicinity of the project site have monitored CO in the last four years. As shown in Table 4 in Section 2.1.4, *Current Air Quality*, the maximum 8-hour average CO value at the Santa Clarita monitoring station in 2019 was 1.2 ppm, which is below the state and federal 8-hour CO standard of 9.0 ppm (CARB 2020). As shown in

Table 7 and Table 8, during construction, maximum daily CO emissions would be 89.7 pounds, and maximum on-site emissions would be 66.2 pounds, which would not exceed SCAQMD's regional threshold (550 pounds per day) or LST (1,664 pounds per day) for CO. Likewise, as shown in Table 9, operational emissions from area, energy, and mobile sources combined would generate maximum daily CO emissions of approximately 89.9 pounds, which is below the SCAQMD regional threshold of 550 pounds. Both the SCAQMD's regional thresholds and LSTs are designed to be protective of public health. Based on the low background level of CO in the project area, ever-improving vehicle emissions standards for new cars in accordance with state and federal regulations, and the project's low level of operational CO emissions, the project would not create new hotspots or contribute substantially to existing hotspots. Localized air quality impacts related to CO hot spots would be less than significant.

Toxic Air Contaminants

CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) provides recommendations regarding the siting of new sensitive land uses near potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities). SCAQMD adopted similar recommendations in its *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning* (2005). Together, the CARB and SCAQMD guidelines recommend siting distances both for the development of sensitive land uses in proximity to TAC sources and for the addition of new TAC sources in proximity to existing sensitive land uses.

Potential TAC emission impacts from project construction were evaluated separately in the Construction Health Risk Assessment prepared for the project (Rincon Consultants 2020). Site-specific air dispersion modeling was conducted using the latest version of the American Meteorological Society/U.S. EPA air dispersion model, AERMOD (version 19121). Dispersion modeling was used to characterize DPM emissions and ground-level concentrations associated with on-site construction activities over the approximately five-year construction period. To characterize health risk at nearby off-site sensitive receptors, 26 existing residential receptors and 15 residential receptors that are currently under construction to north of the project site as part of the Vista Canyon Mixed-Use Project were selected. Receptors were conservatively placed at the edges of existing and future residential structures. Furthermore, because the project would include construction of new sensitive receptors, TAC emissions at the proposed multi-family residential units constructed as part of the first phase of construction were modeled for the second phase of construction. In total, 22 future on-site residential receptors were modeled and evaluated. The receptors were dispersed throughout the area in which the first phase of multi-family residential units would be constructed at the approximate locations of the proposed units. Potential risk values associated with construction emissions were quantified based on U.S. EPA's Guidelines for Carcinogen Risk Assessment and Office of Environmental Health Hazard Assessment's Risk Assessment Guidelines. Risk calculations were based on ground-level concentrations modeled by AERMOD at off-site and proposed on-site receptors (Rincon Consultants 2020).

Table 10 presents the estimated incremental excess cancer risk and chronic health risk resulting from project construction activities at the off-site Most Exposed Individual Resident (MEIR) as well as the on-site MEIR for proposed future multi-family residential units. As shown therein, incremental excess cancer risk and chronic health risk at the MEIRs would exceed SCAQMD thresholds. Therefore, project construction would potentially expose sensitive receptors to substantial TAC concentrations, and construction-related impacts would be significant.

Implementation of Mitigation Measure AQ-1 would be required to reduce the impact to a less than significant level.

Table 10 Health Risks Associated with Construction Activity

Scenario	Excess Cancer Risk (per million)	Chronic Health Risk ¹
Off-Site MEIR (Vista Canyon Mixed-Use Project Apartments)	42.4	0.214
Future Residences (On-Site) MEIR	28.1	0.145
SCAQMD Significance Threshold	>10	>1
Threshold Exceeded?	Yes	No

MEIR = Most Exposed Individual Resident; SCAQMD = South Coast Air Quality Management District

¹ Noncancer health impacts are determined by dividing the airborne concentration at the receptor by the appropriate Reference Exposure Level (REL) for that substance. A REL is defined as the concentration at which no adverse noncancer health effects are anticipated. Because noncancer health impacts are assessed as the ratio of airborne concentration versus the REL, the resulting hazard index is unitless.

Source: Rincon Consultants 2020

The project would include residential land uses, which are not sources of substantial TAC emissions based on review of the air toxic sources listed in SCAQMD's and CARB's guidelines. It is expected that quantities of hazardous TACs generated on-site (e.g., cleaning solvents, paints, landscape pesticides, etc.) for the types of proposed land uses would be below thresholds warranting further study under the California Accidental Release Program. Because the project would not include substantial TAC sources, operation would not result in the exposure of off-site sensitive receptors to significant amounts of carcinogenic or toxic air contaminants. Operational impacts would be less than significant.

Mitigation Measure

AQ-1 Low-Emitting Construction Equipment

The project applicant or contractor shall select equipment during construction to minimize emissions. The project applicant shall submit a construction management plan to the City of Santa Clarita for review and approval, prior to issuance of any grading and building permits. The construction management plan shall demonstrate that the off-road equipment used on site to construct the project would include the following:

- All diesel-fueled equipment used during project construction shall be equipped with Tier 4 Final engines. In the event that Tier 4 Final engines are not commercially available, use of alternatively fueled (i.e., non-diesel) equipment or other control technology (i.e., diesel-particulate filters) may suffice, as long as an overall average fleet exhaust PM_{2.5} emissions reduction of 89 percent below emission levels estimated for the standard fleet mix in the California Emissions Estimator Model can be demonstrated.⁵
- Construction equipment staging shall be situated as far from existing residential receptors as possible.

⁵ Emissions modeling for the standard fleet mix in the California Emissions Estimator Model utilized OFFROAD2011 emission factors for year 2025.

- Construction haul routes shall be limited to paved roads and minimize travel adjacent to existing residences.

Significance after Mitigation

Mitigation Measure AQ-1 would require all diesel-fueled equipment used during construction to be equipped with Tier 4 Final engines, or their equivalent. Table 11 summarizes the anticipated construction-related cancer risk at both the off-site and on-site MEIR with implementation of Mitigation Measure AQ-1.

Table 11 Mitigated Construction Health Risks

Scenario	Mitigated Excess Cancer Risk (per million)	Mitigated Chronic Health Risk ¹
Off-Site MEIR (Vista Canyon Apartments)	3.7	0.019
Future Residences (On-Site) MEIR	2.6	0.014
SCAQMD Significance Threshold	>10	>1
Threshold Exceeded?	No	No

SCAQMD = South Coast Air Quality Management District

¹Noncancer health impacts are determined by dividing the airborne concentration at the receptor by the appropriate Reference Exposure Level (REL) for that substance. A REL is defined as the concentration at which no adverse noncancer health effects are anticipated. Because noncancer health impacts are assessed as the ratio of airborne concentration versus the REL, the resulting hazard index is unitless.

For risk calculations, see Appendix B.

As demonstrated in Table 11, mitigated cancer and non-cancer health risk associated with construction activities would not exceed SCAQMD’s health risk criteria. Additional actions required pursuant to Mitigation Measure AQ-1, such as staging and haul route restrictions, would further reduce health risk at sensitive receptors. However, quantification of emissions reductions associated with these restrictions would be largely speculative at this time, as specific information regarding which equipment would be located or operating in restricted staging areas and for how long is not presently known. Nevertheless, project construction with the use of Tier 4 Final engines for all diesel-fueled equipment, or use of control technology sufficient to achieve the same average fleet emissions reduction, would result in construction-related health risks below SCAQMD significance thresholds. Impacts would be less than significant with mitigation incorporated.

Threshold 4
 Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Impact AQ-4 THE PROJECT WOULD NOT GENERATE ODORS ADVERSELY AFFECTING A SUBSTANTIAL NUMBER OF PEOPLE DURING CONSTRUCTION OR OPERATION. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

The project would generate oil and diesel fuel odors during construction from equipment use as well as odors related to asphalt paving. The odors would be limited to the construction period and would be intermittent and temporary. Furthermore, these odors would dissipate rapidly with distance from in-use construction equipment. With respect to operation, the SCAQMD’s *CEQA Air Quality Handbook* (1993) identifies land uses associated with odor complaints to be agricultural uses, wastewater treatment plants, chemical and food processing plants, composting, refineries,

landfills, dairies, and fiberglass molding. Residential uses are not identified on this list. In addition, the project would be required to comply with SCAQMD Rule 402 during both construction and operation, which prohibits the discharge of air contaminants that would cause injury, detriment, nuisance, or annoyance to the public. Therefore, the proposed project would not generate objectionable odors affecting a substantial number of people, and impacts would be less than significant.

2.2.4 Cumulative Impact Analysis

The geographic scope for the cumulative air quality impact analysis is the jurisdictional area of the SCAQMD. Because the SCAQMD is designated non-attainment for the federal standards for ozone and PM_{2.5} and the state standards for ozone, PM₁₀, and PM_{2.5} and Los Angeles County is designated non-attainment for the federal lead standard, there are existing significant cumulative air quality impacts related to these pollutants. SCAQMD's approach to determining cumulative air quality impacts for criteria air pollutants is to first determine whether the proposed project would result in a significant project-level impact to regional air quality based on SCAQMD significance thresholds. If the project would not generate emissions exceeding SCAQMD thresholds, then the lead agency needs to consider the additive effects of related projects only if the proposed project is part of an ongoing regulatory program, such as a market program for reducing air pollution, or is contemplated in a Program EIR, and the related projects are located within approximately one mile of the project site. If there are related projects within the vicinity (one-mile radius) of the project site that are part of an ongoing regulatory program or are contemplated in a Program EIR, then the additive effect of the related projects should be considered. The proposed project is not part of an ongoing regulatory program and was not contemplated in a Program EIR. The SCAQMD therefore recommends that project-specific air quality impacts be used to determine the potential cumulative impacts to regional air quality. As discussed under Threshold 1, the project would be consistent with the AQMP. As discussed under Threshold 2, construction-related emissions would not exceed SCAQMD's thresholds. As discussed under Threshold 3, operational emissions would not exceed SCAQMD's operational thresholds. Therefore, in accordance with SCAQMD guidance on determining cumulative impacts, the project's contribution to cumulative regional long-term air quality impacts would not be cumulatively considerable.

The project is not located in close proximity to existing or planned projects that would generate objectionable odors affecting a substantial number of people. In addition, SCAQMD Rule 402, which prohibits the discharge of air contaminants that would cause injury, detriment, nuisance, or annoyance to the public, would minimize the potential for nuisance odors. Therefore, no cumulative odor impact would occur.

3 Greenhouse Gas Emissions

3.1 Environmental and Regulatory Setting

3.1.1 Climate Change and Greenhouse Gases

Climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans along with other substantial changes in climate (such as wind patterns, precipitation, and storms) over an extended period. The term "climate change" is often used interchangeably with the term "global warming," but climate change is preferred because it conveys that other changes are happening in addition to rising temperatures. The baseline against which these changes are measured originates in historical records that identify temperature changes that occurred in the past, such as during previous ice ages. The global climate is changing continuously, as evidenced in the geologic record which indicates repeated episodes of substantial warming and cooling. The rate of change has typically been incremental, with warming or cooling trends occurring over the course of thousands of years. The past 10,000 years have been marked by a period of incremental warming, as glaciers have steadily retreated across the globe. However, scientists have observed acceleration in the rate of warming over the past 150 years. The United Nations Intergovernmental Panel on Climate Change (IPCC) expressed a high degree of confidence (95 percent or greater chance) that the global average net effect of human activities has been the dominant cause of warming since the mid-twentieth century (IPCC 2014).

Gases that absorb and re-emit infrared radiation in the atmosphere are called greenhouse gases (GHGs). The gases widely seen as the principal contributors to human-induced climate change include carbon dioxide (CO₂), methane (CH₄), nitrous oxides (N₂O), fluorinated gases such as hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere, and natural processes, such as oceanic evaporation, largely determine its atmospheric concentrations.

GHGs are emitted by natural processes and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Emissions of CO₂ are usually by-products of fossil fuel combustion, and CH₄ results from off-gassing associated with agricultural practices and landfills. Human-made GHGs, many of which have greater heat-absorption potential than CO₂, include fluorinated gases and SF₆ (United States Environmental Protection Agency [U.S. EPA] 2019). Different types of GHGs have varying global warming potentials (GWP). The GWP of a GHG is the potential of a gas or aerosol to trap heat in the atmosphere over a specified timescale (generally, 100 years). Because GHGs absorb different amounts of heat, a common reference gas (CO₂) is used to relate the amount of heat absorbed to the amount of the gas emitted, referred to as "carbon dioxide equivalent" (CO₂e), and is the amount of GHG emitted multiplied by its GWP. Carbon dioxide has a 100-year GWP of one. By contrast, methane has a GWP of 28, meaning its global warming effect is 28 times greater than carbon dioxide on a molecule per molecule basis (IPCC 2015).⁶

The accumulation of GHGs in the atmosphere regulates the earth's temperature. Without the natural heat-trapping effect of GHGs, the earth's surface would be about 33° Celsius (°C) cooler

⁶ The IPCC's (2015) *Fifth Assessment Report* determined that methane has a GWP of 28. However, modeling of GHG emissions was completed using the California Emissions Estimator Model version 2016.3.2, which uses a GWP of 25 for methane, consistent with the IPCC's (2007) *Fourth Assessment Report*.

(World Meteorological Organization 2020). However, emissions from human activities, particularly the consumption of fossil fuels for electricity production and transportation, are believed to have elevated the concentration of these gases in the atmosphere beyond the level of concentrations that occur naturally.

3.1.2 Greenhouse Gas Emissions Inventory

Worldwide anthropogenic emissions of GHGs were approximately 46,000 million metric tons (MMT or gigaton) of CO₂e in 2010 (IPCC 2014). CO₂ emissions from fossil fuel combustion and industrial processes contributed about 65 percent of total emissions in 2010. Of anthropogenic GHGs, carbon dioxide was the most abundant, accounting for 76 percent of total 2010 emissions. Methane emissions accounted for 16 percent of the 2010 total, while N₂O and fluorinated gases account for 6 and 2 percent respectively (IPCC 2014).

Total United States (U.S.) GHG emissions were 6,456.7 MMT of CO₂e in 2017. Since 1990, total U.S. emissions have increased by an average annual rate of 0.04 percent for a total increase of 1.3 percent since 1990. However, emissions decreased by 0.5 percent from 2016 to 2017. The decrease from 2016 to 2017 was a result of multiple factors, including (1) a continued shift from coal to natural gas and other non-fossil fuel energy sources in the electric power sector and (2) milder weather in 2017 resulting in overall decreased electricity usage. In 2017, the industrial and transportation end-use sectors accounted for 30 percent and 29 percent, respectively, of GHG emissions while, the residential and commercial end-use sectors accounted for 15 percent and 16 percent of GHG emissions, respectively, with electricity emissions distributed among the various sectors (U.S. EPA 2019).

Based on the California Air Resource Board's (CARB) California Greenhouse Gas Inventory for 2000-2017, California produced 424.1 MMT of CO₂e in 2017 (approximately 6.6 percent of total U.S. emissions). The major source of GHG emissions in California is transportation, contributing 41 percent of the state's total GHG emissions. The industrial sector is the second largest source, contributing 24 percent of the state's GHG emissions, and electric power accounts for approximately 15 percent (CARB 2019a). California emissions are due in part to its large size and large population compared to other states. However, a factor that reduces California's per capita fuel use and GHG emissions, as compared to other states, is its relatively mild climate. In 2016, the State of California achieved its 2020 GHG emission reduction targets as emissions fell below 431 MMT of CO₂e (CARB 2019a). The annual 2030 statewide target emissions level is 260 MMT of CO₂e (CARB 2017).

3.1.3 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources though potential impacts related to future air temperatures and precipitation patterns. Scientific modeling predicts that continued GHG emissions at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Each of the past three decades has been warmer than all the previous decades in the instrumental record,⁷ and the five warmest years in the 1880-2019 record have all occurred since 2015 with nine of the 10 warmest years occurring since 2005. The observed global mean surface temperature

⁷ The instrumental record is the global record of data on surface air temperature and ocean surface temperatures collected from a network of thousands of meteorological stations, buoys, ships, satellites, and other measurement devices. This record extends from the mid-1800s to present day.

(GMST) from 2015 to 2017 was approximately 1.0°C (1.8°F) higher than the average GMST over the period from 1880 to 1900 (National Oceanic and Atmospheric Administration 2019). Furthermore, several independently analyzed data records of global and regional Land-Surface Air Temperature (LSAT) obtained from station observations jointly indicate that LSAT and sea surface temperatures have increased. Due to past and current activities, anthropogenic GHG emissions are increasing global mean surface temperature at a rate of 0.2°C per decade. In addition to these findings, there are identifiable signs that global warming is currently taking place, including substantial ice loss in the Arctic over the past two decades (IPCC 2014 and 2018).

According to *California's Fourth Climate Change Assessment*, statewide temperatures from 1986 to 2016 were approximately 0.6 to 1.1°C higher than those recorded from 1901 to 1960. Potential impacts of climate change in California may include reduced water supply from snow pack, sea level rise, more extreme heat days per year, more large forest fires, and more drought years (State of California 2018). While there is growing scientific consensus about the possible effects of climate change at a global and statewide level, current scientific modeling tools are unable to predict what local impacts may occur with a similar degree of accuracy. In addition to statewide projections, *California's Fourth Climate Change Assessment* includes regional reports that summarize climate impacts and adaptation solutions for nine regions of the state and regionally-specific climate change case studies (State of California 2018). A summary follows of some of the potential effects that could be experienced in California as a result of climate change.

Air Quality

Higher temperatures are conducive to air pollution formation and could worsen air quality in California as they rise. Climate change may increase the concentration of ground-level ozone, but the magnitude of the effect, and therefore its indirect effects, are uncertain. As temperatures have increased in recent years, the area burned by wildfires throughout the state has increased, and wildfires have occurred at higher elevations in the Sierra Nevada Mountains (State of California 2018). If higher temperatures continue to be accompanied by an increase in the incidence and extent of large wildfires, air quality would worsen, but if higher temperatures are accompanied by wetter, rather than drier conditions, the rains would tend to temporarily clear the air of particulate pollution. This would effectively reduce the number of large wildfires, thereby ameliorating the pollution associated with them. Severe heat accompanied by drier conditions and poor air quality could increase the number of heat-related deaths, illnesses, and asthma attacks throughout the state (California Natural Resources Agency 2009).

Water Supply

Analysis of paleoclimatic data (such as tree-ring reconstructions of stream flow and precipitation) indicates a history of naturally and widely varying hydrologic conditions in California and the west, including a pattern of recurring and extended droughts. Uncertainty remains with respect to the overall impact of climate change on future precipitation trends and water supplies in California. Year-to-year variability in statewide precipitation levels has increased since 1980, meaning that wet and dry precipitation extremes have become more common (California Department of Water Resources 2018). This uncertainty regarding future precipitation trends complicates the analysis of future water demand, especially where the relationship between climate change and its potential effect on water demand is not well understood. The average early spring snowpack in the western U.S., including the Sierra Nevada Mountains, decreased by about 10 percent during the last century. During the same period, sea level rose over 0.15 meter along the central and southern California

coasts (State of California 2018). The Sierra snowpack provides the majority of California's water supply, as snow that accumulates during wet winters is released slowly during the dry months of spring and summer. A warmer climate is predicted to reduce the fraction of precipitation that falls as snow and result in less snowfall at lower elevations, thereby reducing the total snowpack (State of California 2018). Projections indicate that average spring snowpack in the Sierra Nevada and other mountain catchments in central and northern California will decline by approximately 66 percent from its historical average by 2050 (State of California 2018).

Hydrology and Sea Level Rise

Climate change could affect the intensity and frequency of storms and flooding (State of California 2018). Furthermore, climate change could induce substantial sea level rise in the coming century. Rising sea level increases the likelihood of and risk from flooding. The rate of increase of global mean sea levels over the 2001-2010 decade, observed by satellites, ocean buoys, and land gauges, was approximately 3.2 millimeters per year, double the twentieth century trend of 1.6 millimeters per year. Global mean sea levels averaged over the last decade were about 0.20 meter higher than those of 1880 (World Meteorological Organization 2013). Sea levels are rising faster now than in the previous two millennia, and the rise will probably accelerate, even with robust GHG emission control measures. The most recent IPCC report predicts a global mean sea-level rise of 0.26 to 0.77 meter by 2100 if the global temperature increase is limited to 1.5 °C (IPCC 2018). However, in California, a 0.9 to 2.0 meter rise in sea levels could occur along the coastline, which could erode 31 to 67 percent of southern California beaches and cause flooding of approximately 370 miles of coastal highways during 100-year storm events. This would also jeopardize California's water supply due to salt water intrusion and induce groundwater flooding and/or exposure of buried infrastructure (State of California 2018). Increased storm intensity and frequency could affect the ability of flood-control facilities, including levees, to handle storm events.

Agriculture

California has a nearly \$50 billion annual agricultural industry that produces over a third of the country's vegetables and two-thirds of the country's fruits and nuts (California Department of Food and Agriculture 2019). Higher CO₂ levels can stimulate plant production and increase plant water-use efficiency, but if temperatures rise and drier conditions prevail, certain regions of agricultural production could experience water shortages of up to 16 percent. This would increase water demand as hotter conditions lead to the loss of soil moisture; crop-yield could be threatened by water-induced stress and extreme heat waves; and plants may be susceptible to new and changing pest and disease outbreaks (State of California 2018). Temperature increases could change the time of year certain crops, such as wine grapes, bloom or ripen, and thereby affect their quality (California Climate Change Center 2006).

Ecosystems and Wildlife

Climate change and the potential resulting changes in weather patterns could have ecological effects on the global and local scales. Increasing concentrations of GHGs are likely to accelerate the rate of climate change. Scientists project that the annual average maximum daily temperatures in California could rise by 2.4 to 3.2°C in the next 50 years and by 3.1 to 4.9°C in the next century (State of California 2018). Soil moisture is likely to decline in many regions, and intense rainstorms are likely to become more frequent. Rising temperatures could have four major impacts on plants and animals: timing of ecological events; geographic distribution and range of species; species

composition and the incidence of nonnative species within communities; and ecosystem processes, such as carbon cycling and storage (Parmesan 2006; State of California 2018).

3.1.4 Regulatory Setting

The following regulations address both climate change and GHG emissions.

Federal Regulations

The U.S. Supreme Court determined in *Massachusetts et al. v. Environmental Protection Agency et al.* ([2007] 549 U.S. 05-1120) that the USEPA has the authority to regulate motor-vehicle GHG emissions under the federal Clean Air Act. The USEPA issued a Final Rule for mandatory reporting of GHG emissions in October 2009. This Final Rule applies to fossil fuel suppliers, industrial gas suppliers, direct GHG emitters, and manufacturers of heavy-duty and off-road vehicles and vehicle engines and requires annual reporting of emissions. In 2012, the USEPA issued a Final Rule that established the GHG permitting thresholds that determine when Clean Air Act permits under the New Source Review Prevention of Significant Deterioration (PSD) and Title V Operating Permit programs are required for new and existing industrial facilities.

In *Utility Air Regulatory Group v. Environmental Protection Agency* (134 S. Ct. 2427 [2014]), the U.S. Supreme Court held USEPA may not treat GHGs as an air pollutant for purposes of determining whether a source can be considered a major source and be required to obtain a PSD or Title V permit. The Court also held that PSD permits otherwise required based on emissions of other pollutants, may continue to require limitations on GHG emissions based on the application of Best Available Control Technology.

State Regulations

The State of California considers GHG emissions and the impacts of climate change to be a serious threat to the public health, environment, economic well-being, and natural resources of California and has taken an aggressive stance to mitigate the State's impact on climate change through the adoption of policies and legislation. CARB is responsible for the coordination and oversight of state and local air pollution control programs in California. California has a numerous regulation aimed at reducing the state's GHG emissions. Some of the major initiatives are summarized below.

Assembly Bill 32

California's major initiative for reducing GHG emissions is outlined in Assembly Bill (AB) 32, the "California Global Warming Solutions Act of 2006," which was signed into law in 2006. AB 32 codifies the statewide goal of reducing GHG emissions to 1990 levels by 2020 and requires CARB to prepare a Scoping Plan that outlines the main State strategies for reducing GHGs to meet the 2020 deadline. In addition, AB 32 requires CARB to adopt regulations to require reporting and verification of statewide GHG emissions. Based on this guidance, CARB approved a 1990 statewide GHG level and 2020 limit of 427 MMT CO₂e. The Scoping Plan was approved by CARB on December 11, 2008 and included measures to address GHG emission reduction strategies related to energy efficiency, water use, and recycling and solid waste, among other measures. Many of the GHG reduction measures included in the Scoping Plan (e.g., Low Carbon Fuel Standard, Advanced Clean Car standards, and Cap-and-Trade) have been adopted since approval of the Scoping Plan.

In May 2014, CARB approved the first update to the AB 32 Scoping Plan. The 2013 Scoping Plan update defined CARB's climate change priorities for the next five years and set the groundwork to

reach post-2020 statewide goals. The update highlighted California’s progress toward meeting the “near-term” 2020 GHG emission reduction goals defined in the original Scoping Plan. It also evaluated how to align the State’s longer-term GHG reduction strategies with other State policy priorities, including those for water, waste, natural resources, clean energy, transportation, and land use (CARB 2014).

Senate Bill 375

Senate Bill (SB) 375, signed in August 2008, enhances the State’s ability to reach AB 32 goals by directing CARB to develop regional GHG emission reduction targets to be achieved from passenger vehicles for 2020 and 2035. In addition, SB 375 directs each of the state’s 18 major Metropolitan Planning Organizations (MPO) to prepare a “sustainable communities’ strategy” (SCS) that contains a growth strategy to meet these emission targets for inclusion in the Regional Transportation Plan (RTP). On March 22, 2018, CARB adopted updated regional targets for reducing GHG emissions from 2005 levels by 2020 and 2035. SCAG was assigned targets of an 8 percent reduction in GHGs from passenger vehicles by 2020 and a 19 percent reduction in GHGs from passenger vehicles by 2035. SB 375 also provides the option for the coordinated development of subregional plans by the subregional councils of governments and the county transportation commissions to meet SB 375 requirements.

Senate Bill 97

SB 97, signed in August 2007, acknowledges that climate change is an environmental issue that requires analysis in CEQA documents. In March 2010, the California Natural Resources Agency adopted amendments to the *CEQA Guidelines* for the feasible mitigation of GHG emissions or the effects of GHG emissions. The adopted guidelines give lead agencies the discretion to set quantitative or qualitative thresholds for the assessment and mitigation of GHG and climate change impacts.

Senate Bill 1383

Adopted in September 2016, SB 1383 requires CARB to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants. The bill requires the strategy to achieve the following reduction targets by 2030:

- Methane – 40 percent below 2013 levels
- Hydrofluorocarbons – 40 percent below 2013 levels
- Anthropogenic black carbon – 50 percent below 2013 levels

The bill also requires the California Department of Resources Recycling and Recovery, in consultation with CARB, to adopt regulations that achieve specified targets for reducing organic waste in landfills.

Senate Bill 32

On September 8, 2016, Governor Brown signed SB 32 into law, extending AB 32 by requiring the State to further reduce GHGs to 40 percent below 1990 levels by 2030 (the other provisions of AB 32 remain unchanged). On December 14, 2017, CARB adopted the 2017 Scoping Plan, which provides a framework for achieving the 2030 target. The 2017 Scoping Plan relies on the continuation and expansion of existing policies and regulations, such as the Cap-and-Trade Program, as well as implementation of recently adopted policies and policies, such as SB 1383. The 2017 Scoping Plan also puts an increased emphasis on innovation, adoption of existing technology, and strategic investment to support its strategies. As with the 2013 Scoping Plan Update, the 2017

Scoping Plan does not provide project-level thresholds for land use development. Instead, it recommends that local governments adopt policies and locally-appropriate quantitative thresholds consistent with statewide per capita goals of six metric tons (MT) of CO₂e by 2030 and two MT of CO₂e by 2050 (CARB 2017). As stated in the 2017 Scoping Plan, these goals may be appropriate for plan-level analyses (city, county, subregional, or regional level), but not for specific individual projects because they include all emissions sectors in the state (CARB 2017).

Senate Bill 100

Adopted on September 10, 2018, SB 100 supports the reduction of GHG emissions from the electricity sector by accelerating the state's Renewables Portfolio Standard (RPS) Program, which was last updated by SB 350 in 2015. SB 100 requires electricity providers to increase procurement from eligible renewable energy resources to 33 percent of total retail sales by 2020, 44 percent by 2024, 60 percent by 2030, and 100 percent by 2045.

Executive Order B-55-18

On September 10, 2018, Governor Brown issued Executive Order B-55-18, which established a new statewide goal of achieving carbon neutrality by 2045 and maintaining net negative emissions thereafter. This goal is in addition to the existing statewide GHG reduction targets established by SB 375, SB 32, SB 1383, and SB 100. EO B-55-18 also tasks CARB with including a pathway toward the EO B-55-18 carbon neutrality goal in the next Scoping Plan update.

California Environmental Quality Act

Pursuant to the requirements of SB 97, the California Natural Resources Agency has adopted amendments to the *CEQA Guidelines* for the feasible mitigation of GHG emissions or the effects of GHG emissions. The adopted *CEQA Guidelines* provide general regulatory guidance on the analysis and mitigation of GHG emissions in CEQA documents, while giving lead agencies the discretion to set quantitative or qualitative thresholds for the assessment and mitigation of GHGs and climate change impacts.

For more information on Senate and Assembly bills, Executive Orders, and reports discussed above, and to view reports and research referenced above, please refer to www.climatechange.ca.gov and www.arb.ca.gov/cc/cc.htm.

Regional/Local Regulations

Southern California Association of Governments RTP/SCS

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation, where by law, SCAG is required to ensure that transportation activities are supportive of and comply with the goals of regional and state air quality plans in order to attain the NAAQS. In addition, SCAG co-produces the transportation strategy and transportation control measure sections of the AQMP with the SCAQMD for the South Coast Air Basin.

2020-2045 RTP/SCS

On September 3, 2020, SCAG's Regional Council formally adopted the 2020-2045 RTP/SCS (titled Connect SoCal). The 2020-2045 RTP/SCS builds upon the progress made through implementation of the 2016-2040 RTP/SCS and includes ten goals focused on promoting economic prosperity, improving mobility, protecting the environment, and supporting healthy/complete communities. The SCS implementation strategies include focusing growth near destinations and mobility options, promoting diverse housing choices, leveraging technology innovations, and supporting implementation of sustainability policies. The SCS establishes a land use vision of center focused placemaking, concentrating growth in and near Priority Growth Areas, transferring of development rights, urban greening, creating greenbelts and community separators, and implementing regional advance mitigation (SCAG 2020).

City of Santa Clarita Climate Action Plan

The City of Santa Clarita adopted a Climate Action Plan in August 2012. The purpose of the CAP is to measure the amount of GHG emissions generated within the City and to develop strategies to reduce emissions in the future. The CAP includes a set of strategies the City can use to reduce the amount of communitywide GHG emissions. The 2005 baseline year GHG emissions inventory estimated municipal and communitywide emissions at 1,717,648 MT of CO₂e. Of this total, on-road vehicles were the main source (60 percent) of GHG emissions in 2005 followed by residential energy use (18 percent) and commercial/industrial energy use (13 percent). Municipal source emissions make up approximately two percent of the total emissions (City of Santa Clarita 2012). Implementation of statewide measures and CAP measures would result in an annual reduction of approximately 702,293 MT of CO₂e by 2020, which is approximately four percent below the 2005 baseline level (City of Santa Clarita 2012).

City of Santa Clarita Green Building Standards Code

Santa Clarita Municipal Code Section 25.01.010, *Adoption of the City Green Building Standards Code*, regulates the planning, design, operation, construction, use and occupancy of every new building or structure to ensure buildings have a more positive environmental impact and encourage sustainable construction practices.

City of Santa Clarita Energy Conservation Code

Santa Clarita Municipal Code Section 24.01.010, *Adoption of the City Energy Conservation Code*, regulates the design, construction, alteration, installation, or repair of building envelopes, space-conditioning systems, water-heating systems, indoor lighting systems of buildings, outdoor lighting and signage, and certain equipment to enhance the efficiency and reduce energy use of buildings.

3.2 Impact Analysis

3.2.1 Significance Thresholds

To determine whether a project would result in a significant impact related to GHG emissions, Appendix G of the *CEQA Guidelines* requires consideration of whether a project would:

1. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; and/or

2. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The majority of individual projects do not generate sufficient GHG emissions to create significant project-specific environment effects. However, the environmental effects of a project's GHG emissions can contribute incrementally to cumulative environmental effects that are significant, contributing to climate change, even if an individual project's environmental effects are limited (CEQA Guidelines Section 15064[h][1]). The issue of a project's environmental effects and contribution towards climate change typically involves an analysis of whether or not a project's contribution towards climate change is cumulatively considerable. Cumulatively considerable means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, other current projects, and probable future projects (CEQA Guidelines, §15064[h][1]).

Section 15064.4 of the CEQA Guidelines recommends that lead agencies quantify GHG emissions of projects and consider several other factors that may be used in the determination of significance of GHG emissions from a project, including the extent to which the project may increase or reduce GHG emissions; whether a project exceeds an applicable significance threshold; and the extent to which the project complies with regulations or requirements adopted to implement a plan for the reduction or mitigation of GHG emissions.

CEQA Guidelines Section 15064.4 does not establish a threshold of significance. Lead agencies have the discretion to establish significance thresholds for their respective jurisdictions, and in establishing those thresholds, a lead agency may appropriately look to thresholds developed by other public agencies, or suggested by other experts, as long as any threshold chosen is supported by substantial evidence (CEQA Guidelines Section 15064.7[c]).

According to CEQA Guidelines Section 15183.5, projects can tier off of a qualified GHG reduction plan, which allows for project-level evaluation of GHG emissions through the comparison of the project's consistency with the GHG reduction policies included in a qualified GHG reduction plan. This approach is considered by the Association of Environmental Professionals (AEP) in their white paper, *Beyond Newhall and 2020*, to be the most defensible approach presently available under CEQA to determine the significance of a project's GHG emissions (AEP 2016). However, although the City's CAP provides emission reduction measures to reduce GHG emissions through year 2020, it does not include goals or emission reduction measures to meet the State's SB 32 target by 2030.

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem in the geographic area of the project. To qualify, such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plans [and] plans or regulations for the reduction of GHG emissions." Therefore, a lead agency can make a finding of less than significant for GHG emissions if a project complies with adopted programs, plans, policies and/or other regulatory strategies to reduce GHG emissions. The proposed project's consistency with applicable plans, policies, and regulations adopted for the purpose of reducing GHG emissions is evaluated qualitatively. A project is considered consistent with the provisions of these documents if

it meets the general intent in reducing GHG emissions in order to facilitate the achievement of local- and state-adopted goals and does not impede attainment of those goals.

The City has not adopted a numerical significance threshold for assessing impacts related to GHG emissions and does not have a qualified GHG reduction plan under CEQA Guidelines Section 15183.5 that is applicable to the proposed project. Neither the SCAQMD, the California Office of Planning and Research, CARB, the California Air Pollution Control Officers Association (CAPCOA), or any other state or applicable regional agency has adopted a numerical significance threshold for assessing GHG emissions that is applicable to the project. In the absence of any adopted numeric threshold, the significance of the project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b) by considering whether the project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. For this project, the most directly applicable adopted regulatory plans to reduce GHG emissions are the 2017 Scoping Plan, the 2020-2045 RTP/SCS, and the City's CAP and General Plan.

3.2.2 Methodology

Calculations of CO₂, CH₄, and N₂O emissions are provided to estimate the project's potential GHG emissions. The analysis focuses on CO₂, CH₄, and N₂O because these make up 98 percent of all GHG emissions by volume and are the GHG emissions the project would emit in the largest quantities (IPCC 2014). Fluorinated gases, such as HFCs, PFCs, and SF₆, were also considered for the analysis. However, because the project is a residential development, the quantity of fluorinated gases would not be significant since fluorinated gases are primarily associated with industrial processes. Emissions of all GHGs are converted into their equivalent GWP in terms of CO₂ (CO₂e). Minimal amounts of other GHGs (such as chlorofluorocarbons [CFCs]) would be emitted; however, these other GHG emissions would not substantially add to the total calculated CO₂e amounts. Calculations are based on the methodologies discussed in the California Air Pollution Control Officers Association (CAPCOA) CEQA and Climate Change white paper (CAPCOA 2008). GHG emissions associated with the proposed project were calculated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2 (see Appendix A for calculations). Calculations of the project's GHG emissions are provided for informational purposes only and are not used herein to evaluate the significance of the project's impacts. As discussed in Section 3.2.1, *Significance Thresholds*, the significance of project impacts related to GHG emissions is evaluated based on whether the project would comply with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

Construction Emissions

Construction activities emit GHGs primarily through combustion of fuels (mostly diesel) in the engines of off-road construction equipment and in on-road construction vehicles and in the commute vehicles of the construction workers. Smaller amounts of GHGs are emitted indirectly through the energy required for water used for fugitive dust control and lighting for the construction activity. Every phase of the construction process, including demolition, grading, paving, and building, emits GHG emissions in volumes proportional to the quantity and type of construction equipment used. Heavier equipment typically emits more GHGs per hour than does lighter equipment because of its engine design and greater fuel consumption.

CalEEMod estimates construction emissions by multiplying the time equipment is in operation by emission factors. Construction emissions were modelled in accordance with the methodology

outlined in Section 2.2.1, *Methodology*, under Section 2, *Air Quality*. Complete results from CalEEMod and assumptions can be viewed in Appendix A. In accordance with SCAQMD's recommendation, GHG emissions from construction of the proposed project were amortized over a 30-year period and added to annual operational emissions to determine the project's total annual GHG emissions.

Operational Emissions

Area Source Emissions

Area sources include GHG emissions that would occur from the use of landscaping equipment, which emits GHGs associated with the equipment's fuel combustion. The landscaping equipment emission values were derived from the 2011 Off-Road Equipment Inventory Model (CAPCOA 2017). Based on applicant-provided data, the proposed project would not include fireplaces.

Energy Use Emissions

GHGs are emitted on-site during the combustion of natural gas for space and water heating and off-site during the generation of electricity from fossil fuels in power plants. CalEEMod estimates GHG emissions from energy use by multiplying average rates of residential and non-residential energy consumption by the quantities of residential units and non-residential square footage entered in the land use module to obtain total projected energy use. This value is then multiplied by electricity and natural gas GHG emission factors applicable to the project location and utility provider.

Building energy use is typically divided into energy consumed by the built environment and energy consumed by uses that are independent of the building, such as plug-in appliances. Non-building energy use, or "plug-in energy use," can be further subdivided by specific end-use (refrigeration, cooking, office equipment, etc.). In California, Title 24 (adopted by reference with some amendments in the Santa Clarita Municipal Code) governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting. As part of California's initiative to achieve zero-net energy for new residential construction by 2020, Section 150.1(b)14 of the 2019 Building Energy Efficiency Standards (adopted by reference as the City of Santa Clarita Energy Conservation Code in Santa Clarita Municipal Code Title 24) requires all new residential uses under three stories to install photovoltaic solar panels that generate an amount of electricity equal to expected electricity usage. Therefore, it is assumed that operation of the residential buildings of the project would not generate GHG emissions associated with electricity use.

Mobile Source Emissions

For mobile sources, CO₂ and CH₄ emissions were quantified in CalEEMod based on trip generation rates provided by Fehr & Peers (Zhou 2020). However, the City of Santa Clarita has determined that the following provisions of Public Resources Code Section 21159.28 apply to the proposed project:

- (a) If a residential or mixed-use residential project is consistent with the use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy, for which the State Air Resources Board pursuant to subparagraph (1) of paragraph (2) of subdivision (b) of Section 65080 of the Government Code has accepted the metropolitan planning organization's determination that the sustainable communities strategy or the alternative planning strategy would, if implemented, achieve the greenhouse gas emission reduction targets and if the project incorporates the mitigation measures required by an applicable prior

environmental document, then any findings or other determinations for an exemption, a negative declaration, a mitigated negative declaration, a sustainable communities environmental assessment, an environmental impact report, or addenda prepared or adopted for the project pursuant to this division shall not be required to reference, describe, or discuss (1) growth inducing impacts; or (2) any project specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network.

- (b) Any environmental impact report prepared for a project described in subdivision (a) shall not be required to reference, describe, or discuss a reduced residential density alternative to address the effects of car and light-duty truck trips generated by the project.
- (c) “Regional transportation network,” for purposes of this section, means all existing and proposed transportation system improvements, including the state transportation system, that were included in the transportation and air quality conformity modeling, including congestion modeling, for the final regional transportation plan adopted by the metropolitan planning organization, but shall not include local streets and roads. Nothing in the foregoing relieves any project from a requirement to comply with any conditions, exactions, or fees for the mitigation of the project’s impacts on the structure, safety, or operations of the regional transportation network or local streets and roads.
- (d) A residential or mixed-use residential project is a project where at least 75 percent of the total building square footage of the project consists of residential use or a project that is a transit priority project as defined in Section 21155.

Therefore, this analysis does not describe or discuss project-specific or cumulative climate change impacts related to emissions from cars and light-duty truck trips generated by the proposed project because the project is a residential project consistent with the use designation, density, building intensity, and applicable policies specified for the project area in the SCAG 2020-2045 RTP/SCS and incorporates the mitigation measures required by an applicable prior environmental document (ICF 2020). These emissions are excluded from the emissions calculations for the proposed project. However, mobile source emissions from all other vehicle types, including medium- and heavy-duty vehicles, buses, motorhomes, and motorcycles are included in the emissions calculations.

To calculate mobile source emissions, the trip generation rates for the various land uses provided by Fehr & Peers via e-mail correspondence in February 2020 were input into CalEEMod to estimate VMT (Zhou 2020). The “Increase Density,” “Integrate Below Market Rate Housing,” and “Improve Pedestrian Network” options in CalEEMod were used to account for project design features that would reduce VMT associated with project-related trips. The VMT estimate from CalEEMod and trip generation estimates from Fehr & Peers were then utilized with EMFAC2017 to calculate mobile source emissions outside of CalEEMod because CalEEMod relies on an older version of the EMFAC model (EMFAC2014). CO₂, CH₄, and N₂O emission factors were obtained from the EMFAC2017 Emissions Inventory based on the aggregated model year and aggregated speed for the Los Angeles - South Coast subarea for year 2030.

Water and Wastewater Emissions

Water used and wastewater generated by a project generate indirect GHG emissions. These emissions are a result of the energy used to supply, convey, and treat water and wastewater. In addition to the indirect GHG emissions associated with energy use, the wastewater treatment process itself can directly emit both CH₄ and N₂O.

The indoor and outdoor water use consumption data for each land use subtype comes from the Pacific Institute’s *Waste Not, Want Not: The Potential for Urban Water Conservation in California* (2003).⁸ Based on that report, a percentage of total water consumption was dedicated to landscape irrigation, which is used to determine outdoor water use. Wastewater generation was similarly based on a reported percentage of total indoor water use.

New development would be subject to CALGreen, which requires a 20 percent increase in indoor water use efficiency compared to baseline water use. Thus, in order to account for compliance with CALGreen, a 20 percent reduction in indoor water use was included in the water consumption calculations for new development. In addition to water reductions associated with building code compliance and project design features, the GHG emissions from the energy used to transport the water for both existing and new development account for compliance with the RPS as discussed under “Energy Emissions.”

Solid Waste Emissions

The disposal of solid waste produces GHG emissions from the transportation of waste, anaerobic decomposition in landfills, and incineration. To calculate the GHG emissions generated by solid waste disposal, the total volume of solid waste was calculated using waste disposal rates identified by the California Department of Resources Recycling and Recovery (CalRecycle). The methods for quantifying GHG emissions from solid waste are based on the IPCC method, using the degradable organic content of waste. GHG emissions associated with the project’s waste disposal were calculated using these parameters.

3.2.3 Project-Level Impact Analysis

Threshold 1:	Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
Threshold 2:	Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Impact GHG-1 THE PROPOSED PROJECT WOULD NOT CONFLICT WITH THE CITY OF SANTA CLARITA CAP AND GENERAL PLAN, THE SCAG 2020-2045 RTP/SCS, AND THE 2017 SCOPING PLAN. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

As discussed under Section 3.1.4, *Regulatory Setting*, several plans have been adopted to reduce GHG emissions in California generally and in Santa Clarita and the Los Angeles County region specifically. The project’s consistency with the City of Santa Clarita CAP and General Plan, the SCAG 2020-2045 RTP/SCS, and the 2017 Scoping Plan are discussed below.

City of Santa Clarita CAP and General Plan

The City of Santa Clarita CAP includes measures aimed at reducing energy and water use, encouraging installation of renewable energy systems, integrating land use and transportation planning to reduce VMT, and increasing the number of urban trees and amount of vegetated open space. The City’s General Plan also includes Goal CO 8, which is directed at improving energy efficiency, reducing energy and natural resource consumption, and reducing GHG emissions

⁸ California Emissions Estimator Model, User Guide, Appendix D <http://www.caleemod.com/>

associated with development. Table 12 summarizes the project's consistency with applicable CAP measures and General Plan Goal CO 8. As summarized therein, the project would be consistent with the applicable measures of the City's CAP and General Plan.

2020-2045 RTP/SCS

On September 3, 2020, SCAG's Regional Council formally adopted the 2020-2045 RTP/SCS (titled Connect SoCal). The SCAG 2020-2045 RTP/SCS is forecast to help California reach its GHG reduction goals by reducing GHG emissions from passenger cars by 8 percent below 2005 levels by 2020 and 19 percent by 2035 in accordance with the most recent CARB targets adopted in March 2018. The 2016-2040 RTP/SCS includes ten goals with corresponding implementation strategies for focusing growth near destinations and mobility options, promoting diverse housing choices, leveraging technology innovations, and supporting implementation of sustainability policies. The project's consistency with the 2020-2045 RTP/SCS is discussed in Table 13. As shown therein, the proposed project would be consistent with the GHG emission reduction strategies contained in the 2020-2045 RTP/SCS.

2017 Scoping Plan

The principal state plan and policy is AB 32, the California Global Warming Solutions Act of 2006, and the follow up, SB 32. The quantitative goal of AB 32 is to reduce GHG emissions to 1990 levels by 2020 and the goal of SB 32 is to reduce GHG emissions to 40 percent below 1990 levels by 2030. Pursuant to the SB 32 goal, the 2017 Scoping Plan was created to outline goals and measures for the state to achieve the reductions. The 2017 Scoping Plan's goals include reducing fossil fuel use and energy demand and maximizing recycling and diversion from landfills. The project would be consistent with these goals through project design, which includes complying with the latest Title 24 standards (including the California Green Building Standards Code and Building Efficiency Energy Standards) and installing energy-efficient LED lighting in the renovated and new indoor spaces, occupancy sensors, flow-smart showerheads, water-efficient faucets and toilets, Energy Star certified appliances, and water efficient landscaping and irrigation systems. Therefore, the project would be consistent with the 2017 Scoping Plan.

Table 12 Project Consistency with City of Santa Clarita CAP and General Plan

Reduction Strategy	Project Consistency
Climate Action Plan	
<p>Establish On-site Renewable Energy Systems – Solar Power. Includes installation of photovoltaic systems in residential or commercial buildings.</p>	<p>Consistent. In accordance with Section 150.1(b)14 of the 2019 Building Energy Efficiency Standards, all new residential uses under three stories must install PV solar panels that generate an amount of electricity equal to expected electricity usage.</p>
<p>Overall Land Use Transportation Measure. Includes increased density of in-City development, increased diversity of urban and suburban developments, increased location efficiency, destination and transit accessibility, integration of affordable and below market rate housing, implementation of trip reduction programs, improvements to the transit system, and improvements to the flow of traffic.</p>	<p>Consistent. The project would be an infill development located adjacent to the planned Metrolink Station to be located immediately east of the project site. The project would include sidewalks and trails to provide linkages between residences and the planned Metrolink Station. In addition, the project would integrate approximately 10 percent affordable housing.</p>
<p>Provide Pedestrian Network Improvements. Includes improving pedestrian access to off-site areas. Enhancements can range from improving interconnectivity by expanding the pedestrian network to minimizing barriers to pedestrian access such as walls, landscaping, slopes, or anything that impedes circulation.</p>	<p>Consistent. The project would include a network of internal sidewalks and trails that would connect to the Vista Canyon Mixed-Use Project, the planned Metro Station, and Lost Canyon Road.</p>
<p>Use Reclaimed Water. Includes meeting City’s demand for landscape water.</p>	<p>Consistent. The project would utilize reclaimed water for indoor and outdoor uses.</p>
<p>Low-Flow Water Fixtures. Includes installation of low-flow or high efficiency water fixtures such as low-flow toilets, urinals, showerheads, or faucets, or high-efficiency clothes-washers and dishwashers in residential and commercial buildings</p>	<p>Consistent. The project would include installation of low-flow water fixtures in residential buildings in accordance with CALGreen Section 4.303.</p>
<p>Landscape Irrigation Systems. Includes use of efficient irrigation techniques, such as “smart” irrigation technology.</p>	<p>Consistent. The project would include installation of water-efficient irrigation systems in accordance with CALGreen Section 4.304.</p>
<p>Urban Tree Planting. Includes planting trees through the City’s Urban Forestry Division.</p>	<p>Consistent. The project would include planting of trees throughout the project site.</p>
General Plan	
<p>Conservation and Open Space Goal 8. Development designed to improve energy efficiency, reduce energy and natural resource consumption, and reduce emissions of greenhouse gases.</p>	<p>Consistent. As discussed above, the project would be consistent with the City’s CAP. The project would also be required to comply with the California Green Building Standards Code, the 2019 Building Energy Efficiency Standards, the City’s Green Building Standards Code, and the City’s Energy Conservation Code. The project would include energy- and water-efficient appliances and fixtures and would be located adjacent to the planned Metrolink Station to be sited immediately east of the project site. In addition, the project would include a recreation center, a tot lot, a multi-use trail, and pedestrian linkages, thereby reducing vehicle trips by providing recreational opportunities within walking distances of proposed residences. The project would also plant trees throughout the project site.</p>

Source: City of Santa Clarita 2012

Table 13 Project Consistency with Applicable SCAG 2020-2045 RTP/SCS Strategies

Reduction Strategy	Project Consistency
<p>Focus Growth Near Destinations & Mobility Options.</p> <ul style="list-style-type: none"> ▪ Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations ▪ Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets ▪ Plan for growth near transit investments and support implementation of first/last mile strategies z Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses ▪ Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods ▪ Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could include mixed uses or locating and orienting close to existing destinations) ▪ Identify ways to “right size” parking requirements and promote alternative parking strategies (e.g. shared parking or smart parking) 	<p>Consistent. The project is an infill development that would involve construction of residential and recreational uses in an urbanized area that will be well-served by public transit via the planned Metrolink station to be sited immediately east of the project site. The project would include sidewalks and trails to that would connect residences to this planned station. Furthermore, the project site is located in an urbanized area and in close proximity to existing residential and commercial development. Existing public transit facilities are located near the project site, including the Metrolink Via Princessa station located approximately 1.7 miles from the project site. The proposed project would also be within walking and biking distance of existing and planned residential, commercial, and recreational uses. The project would include an on-site network of sidewalks and trails that would connect to adjacent land uses and roadways to facilitate pedestrian access. The project would provide approximately 50 bicycle parking spaces in accordance with the Specific Plan. Therefore, the project would focus growth near destinations and mobility options.</p>
<p>Promote Diverse Housing Choices.</p> <ul style="list-style-type: none"> ▪ Preserve and rehabilitate affordable housing and prevent displacement ▪ Identify funding opportunities for new workforce and affordable housing development ▪ Create incentives and reduce regulatory barriers for building context sensitive accessory dwelling units to increase housing supply ▪ Provide support to local jurisdictions to streamline and lessen barriers to housing development that supports reduction of GHGs 	<p>Consistent. The proposed project would include construction of a residential community with multi-family apartment unit and townhomes as well as age-qualified apartments (50 of which would be affordable senior housing). The project would be well-served by public transit via the planned Metrolink station to be sited immediately east of the project site. Therefore, the project would promote diverse housing choices that support the reduction of GHGs.</p>
<p>Leverage Technology Innovations.</p> <ul style="list-style-type: none"> ▪ Promote low emission technologies such as neighborhood electric vehicles, shared rides hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space ▪ Improve access to services through technology—such as telework and telemedicine as well as other incentives such as a “mobility wallet,” an app-based system for storing transit and other multi-modal payments ▪ Identify ways to incorporate “micro-power grids” in communities, for example solar energy, hydrogen fuel cell power storage and power generation 	<p>Consistent. The project would include approximately 59 electric vehicle parking spaces. In addition, the project would be required to install photovoltaic solar panels that generate an amount of electricity equal to expected electricity usage on all residential buildings in accordance with the City of Santa Clarita Energy Conservation Code. Therefore, the project would leverage technology innovations.</p>

Reduction Strategy	Project Consistency
<p>Support Implementation of Sustainability Policies.</p> <ul style="list-style-type: none"> ▪ Pursue funding opportunities to support local sustainable development implementation projects that reduce GHG emissions ▪ Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations ▪ Support local jurisdictions in the establishment of Enhanced Infrastructure Financing Districts (EIFDs), Community Revitalization and Investment Authorities (CRIAs), or other tax increment or value capture tools to finance sustainable infrastructure and development projects, including parks and open space ▪ Work with local jurisdictions/communities to identify opportunities and assess barriers to implement sustainability strategies ▪ Enhance partnerships with other planning organizations to promote resources and best practices in the SCAG region ▪ Continue to support long range planning efforts by local jurisdictions ▪ Provide educational opportunities to local decisions makers and staff on new tools, best practices and policies related to implementing the Sustainable Communities Strategy 	<p>Consistent. The project would be consistent with the City of Santa Clarita CAP (see Table 12) and would be constructed in accordance with the City of Santa Clarita Green Building Code and Energy Conservation Code. Therefore, the project would support implementation of sustainability policies.</p>
<p>Promote a Green Region.</p> <ul style="list-style-type: none"> ▪ Support development of local climate adaptation and hazard mitigation plans, as well as project implementation that improves community resiliency to climate change and natural hazards ▪ Support local policies for renewable energy production, reduction of urban heat islands and carbon sequestration ▪ Integrate local food production into the regional landscape ▪ Promote more resource efficient development focused on conservation, recycling and reclamation ▪ Preserve, enhance and restore regional wildlife connectivity ▪ Reduce consumption of resource areas, including agricultural land ▪ Identify ways to improve access to public park space 	<p>Consistent. The project is an infill development that would involve construction of residential and recreational uses in an urbanized area and would therefore not interfere with regional wildlife connectivity or convert agricultural land. The project would be required to install photovoltaic solar panels that generate an amount of electricity equal to expected electricity usage on all residential buildings in accordance with the City of Santa Clarita Energy Conservation Code. Therefore, the project would support development of a green region.</p>

Source: SCAG 2020

Summary

As discussed in the preceding subsections, the project would not conflict with plans, policies, and regulations adopted for the purposes of reducing GHG emissions, including the AB 32, SB 32, the 2017 Scoping Plan, the SCAG 2020-2045 RTP/SCS, and the City’s General Plan and CAP. Therefore, GHG emissions associated with the proposed project would not result in a significant impact on the environment. As a result, impacts would be less than significant.

GHG Emissions Quantification

As described above, compliance with plans, policies, and regulations adopted for the purpose of reducing GHG emissions indicates that project-related GHG emissions would be less than significant. Quantitative calculations of GHG emissions associated with the proposed project are provided in this subsection for informational purposes only in accordance with the recommendation of CEQA Guidelines Section 15064.4.

Construction Emissions

As shown in Table 14, construction activity associated with the project would generate an estimated 11,651 MT of CO₂e. When amortized over a 30-year period, construction of the project would generate about 388 MT of CO₂e per year.

Table 14 Estimated Construction Emissions of Greenhouse Gases

Year	Annual Emissions (MT of CO ₂ e)
2022	407.9
2023	2,149.9
2024	2,793.1
2025	2,748.7
2026	2,717.9
2027	833.9
Total	11,651.4 MT
Amortized over 30 years	388.4 MT per year

MT = metric tons; CO₂e = carbon dioxide equivalents
See Appendix A for CalEEMod results.

Combined Annual Emissions

Table 15 combines the construction and operational GHG emissions associated with the proposed project. As shown therein, the project would generate approximately 2,061 MT of CO₂e per year, or 1.4 MT of CO₂e per person per year.

Table 15 Combined Annual Emissions

Emission Source	Project Emissions (MT of CO ₂ e)
Construction	388.4
Operational	
Area	8.6
Energy	481.2
Mobile ²	961.0
Solid Waste	115.2
Water	106.2
Total Emissions	2,060.6
Service Population (Residents)	1,506
Emissions per Service Person	1.4

MT = metric tons; CO₂e = carbon dioxide equivalents

¹ GHG emissions were modeled for year 2030 to be consistent with the next State milestone target for GHG emission reductions.

² Mobile source emissions do not include emissions from cars and light-duty truck trips generated by the proposed project because the City has determined that PRC Section 21159.28 applies to the project.

See Appendices A and C for modeling results.

As described earlier, compliance with plans, policies, and regulations adopted for the purpose of reducing GHG emissions indicates that project-related GHG emissions would be less than significant. Quantitative calculations of GHG emissions associated with the proposed project are provided in this subsection for informational purposes only in accordance with the recommendation of CEQA Guidelines Section 15064.4.

3.2.4 Cumulative Impact Analysis

The geographic scope for related projects considered in the cumulative impact analysis for GHG emissions is global because impacts of climate change are experienced on a global scale regardless of the location of GHG emission sources. Therefore, GHG emissions and climate change are, by definition, cumulative impacts. As discussed in Section 3.1.3, *Potential Effects of Climate Change*, the adverse environmental impacts of cumulative GHG emissions, including sea level rise, increased average temperatures, more drought years, and more large forest fires, are already occurring. As a result, cumulative impacts related to GHG emissions are significant. Thus, the issue of climate change involves an analysis of whether a project’s contribution towards an impact is cumulatively considerable. As discussed under Thresholds 1 and 2, project impacts related to GHG emissions would be less than significant and would therefore not be cumulatively considerable.

4 Conclusions

All air quality impacts related to project construction and operation would be less than significant with implementation of Mitigation Measure AQ-1. Population, employment, and housing growth associated with the proposed project would be within SCAG regional growth projections; therefore, the project would be consistent with the AQMP. Project construction and operation would not 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. Project construction and operation would not expose sensitive receptors to substantial pollutant concentrations from CO hotspots. However, project construction would potentially expose sensitive receptors to substantial pollutant concentrations related to TAC emissions, and implementation of Mitigation Measure AQ-1 would be required to reduce impacts to a less than significant level. The project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The project would not conflict with the City of Santa Clarita CAP and General Plan, the SCAG 2020-2045 RTP/SCS, or the 2017 Scoping Plan; therefore, impacts related to GHG emissions would be less than significant.

5 References

Air Quality

- California Air Resources Board (CARB). 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005. <https://www.arb.ca.gov/ch/handbook.pdf> (accessed March 2020).
- _____. 2011. Health Effects of Diesel Exhaust. <http://www.arb.ca.gov/research/diesel/diesel-health.htm> (accessed March 2020).
- _____. 2016. Ambient Air Quality Standards. Last modified: May 4, 2016. <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf> (accessed March 2020).
- _____. 2020. Top 4 Summary: Select Pollutant, Years, & Area. <https://www.arb.ca.gov/adam/topfour/topfour1.php> (accessed December 2019).
- California Department of Finance (DOF). 2020. E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2020 with 2010 Census Benchmark. May 2020. <http://www.dof.ca.gov/Forecasting/Demographics/Estimates/E-5/> (accessed June 2020).
- Cheng, Jack C.P. and Lauren Y.H. Ma. 2013. "A BIM-based system for demolition and renovation waste estimation and planning. Waste Management." *Waste Management*, Volume 33, pp. 1539-1551.
- Rincon Consultants, Inc. 2020. MetroWalk Project Construction Health Risk Assessment.
- Santa Clarita, City of. 2010. Draft Program EIR for the City of Santa Clarita's Proposed One Valley One Vision General Plan. SCH# 2008071133. September 2010. <https://www.santa-clarita.com/city-hall/departments/community-development/planning/environmental-impact-reports-completed> (accessed March 2020).
- South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. November 1993.
- _____. 2005. *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*. May 6, 2005. <http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf> (accessed September 2020).
- _____. 2008. *Final Localized Significance Threshold Methodology*. July 2008. <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-1st-methodology-document.pdf> (accessed March 2020).
- _____. 2009. Appendix C – Mass Rate LST Look-up Tables. Last modified: October 21, 2009. <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-1st-look-up-tables.pdf?sfvrsn=2> (accessed March 2020).
- _____. 2015. SCAQMD Air Quality Significance Thresholds. Last modified: March 2015. <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf> (accessed March 2020).

- _____. 2016. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) Attainment Status for South Coast Air Basin. <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=2> (accessed March 2020).
- _____. 2017. Final 2016 Air Quality Management Plan (AQMP). March 3, 2017.
- Southern California Association of Governments (SCAG). 2016. 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). April 7, 2016.
- United States Environmental Protection Agency (U.S. EPA). 2013. *Policy Assessment for the Review of the Lead National Ambient Air Quality Standards, External Review Draft*. https://www3.epa.gov/ttn/naaqs/standards/pb/data/010913_pb-draft-pa.pdf (accessed April 2019).
- _____. 2020. “Outdoor Air Quality Data – Monitor Values Report.” <https://www.epa.gov/outdoor-air-quality-data/monitor-values-report> (accessed June 2020).
- Zhou, Diwu. 2020. Senior Transportation Engineer, Fehr & Peers. Personal communication via email regarding MetroWalk trip generation rates with Annaliese Miller, Associate Environmental Planner, Rincon Consultants, Inc. February 14, 2020.

Greenhouse Gas Emissions

- California Air Pollution Control Officers Association (CAPCOA). 2008. CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA). January 2008.
- _____. 2017. CalEEMod User’s Guide version 2016.3.2. November 2017.
- California Air Resources Board. 2008. Climate Change Scoping Plan. December 2008. https://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf (accessed March 2020).
- _____. 2014. AB 32 Scoping Plan Website. Updated June 2014. <http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm> (accessed March 2020).
- _____. 2017. California’s 2017 Climate Change Scoping Plan. December 14, 2017. https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf
- _____. 2019a. “California Greenhouse Gas Emission Inventory – 2019 Edition. Last modified: August 12, 2019. <https://www3.arb.ca.gov/cc/inventory/data/data.htm> (accessed March 2020).
- _____. 2019b. EMFAC2017 Web Database. <https://www.arb.ca.gov/emfac/2017/> (accessed March 2020).
- California Climate Change Center (CCCC). 2006. Climate Scenarios for California.
- California Department of Finance. 2012. “E-4 Population Estimates for Cities, Counties, and the State, 2001-2010 with 200 & 2010 Census Counts.” Last modified: November 2012. <http://www.dof.ca.gov/forecasting/demographics/estimates/e-4/2001-10/> (accessed March 2020).
- California Department of Food and Agriculture. 2019. “California Agricultural Production Statistics.” <https://www.cdfa.ca.gov/statistics/> (accessed March 2020).

- California Department of Water Resources. 2018. Indicators of Climate Change in California. May 2018. <https://oehha.ca.gov/media/downloads/climate-change/report/2018caindicatorsreportmay2018.pdf> (accessed March 2020).
- California Natural Resources Agency. 2009. 2009 California Climate Adaptation Strategy. March 2009. http://resources.ca.gov/docs/climate/Statewide_Adaptation_Strategy.pdf (accessed March 2020).
- ICF. 2020. *Draft MetroWalk Project SCEA Criteria and Transit Priority Project Consistency Analysis*. June 2020.
- Intergovernmental Panel on Climate Change (IPCC). 2007. Summary for Policymakers. In: *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*.
- _____. 2014. *Climate Change 2014: Mitigation of Climate Change. Summary for Policymakers - Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- _____. 2018. Summary for Policymakers. In: *Global warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty*. <https://www.ipcc.ch/sr15/> (accessed March 2020).
- National Oceanic and Atmospheric Administration. 2020. "State of the Climate: Global Climate Report for Annual 2019." January 2020. <https://www.ncdc.noaa.gov/sotc/global/201813> (accessed May 2020).
- Parmesan, C. 2006. *Ecological and Evolutionary Responses to Recent Climate Change*. August 2006.
- Santa Clarita, City of. 2008. *Henry Mayo Newhall Memorial Hospital Master Plan Draft Environmental Impact Report*. September 2008. <https://www.santa-clarita.com/home/showdocument?id=8608> (accessed March 2020).
- _____. 2010. *Draft Program EIR for the City of Santa Clarita's Proposed One Valley One Vision General Plan*. SCH# 2008071133. September 2010. http://filecenter.santa-clarita.com/EIR/OVOV/Draft/0_1_Vol%201%20TOC.pdf (accessed March 2020).
- _____. 2011. *City of Santa Clarita General Plan Conservation and Open Space Element*. June 2011. codepublishing.com/CA/SantaClarita/html/SantaClaritaGP/SantaClaritaGP.html (accessed March 2020).
- _____. 2012. *City of Santa Clarita Climate Action Plan Final Report*. Adopted August 2012. <http://greensantaclarita.com/files/2012/10/APPROVED-CAP-AUGUST-2012.pdf> (accessed March 2020).
- Southern California Association of Governments (SCAG). 2016. *2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)*. April 7, 2016.
- _____. 2020. *Connect SoCal: The 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments*. Adopted May 7, 2020. <https://www.connectsoal.org/Documents/Adopted/fConnectSoCal-Plan.pdf> (accessed June 2020).

- Southern California Edison. 2012. 2012 Corporate Responsibility & Sustainability. https://www1.sce.com/wps/wcm/connect/68145014-2eba-40c2-8587-6482ce056977/CRR_08202013.pdf?MOD=AJPERES&ContentCache=NONE (accessed March 2020).
- State of California. 2018. California's Fourth Climate Change Assessment Statewide Summary Report. August 27, 2018. <http://www.climateassessment.ca.gov/state/> (accessed March 2020).
- United States Environmental Protection Agency (U.S. EPA). 2019. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2017. U. S. EPA #430-R-19-001. April 2019. <https://www.epa.gov/sites/production/files/2019-04/documents/us-ghg-inventory-2019-main-text.pdf> (accessed March 2020).
- World Meteorological Organization (WMO). 2020. "Greenhouse Gases." <https://public.wmo.int/en/our-mandate/focus-areas/environment/greenhouse%20gases> (accessed February 2020).
- Zhou, Diwu. 2020. Senior Transportation Engineer, Fehr & Peers. Personal communication via email regarding MetroWalk trip generation rates with Annaliese Miller, Associate Environmental Planner, Rincon Consultants, Inc. February 14, 2020.

Appendix A

Air Quality and Greenhouse Gas Modeling Results

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

Metrowalk Project - 2028 - Unmitigated
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Base on Data Request

Off-road Equipment - Base on Data Request

Off-road Equipment - Based on data request

Off-road Equipment - Based on Data Request

Off-road Equipment - Based on Data Request

Trips and VMT - Based on Data Request Sheet. All AC trips under AC4. Haul trips for BC for construction waste.

Grading - Site Plan and Data Request Sheet

Architectural Coating - Split by phase. All parking to AC4.

Vehicle Trips - Based on ITE trip rates

Woodstoves - No fireplaces proposed

Area Coating -

Energy Use - 2019 Building Energy Efficiency Standards

Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00
tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00
tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.7159	47.1703	33.5833	0.0810	5.1939	1.9452	6.8255	2.8357	1.7896	3.4892	0.0000	7,853.4709	7,853.4709	2.4481	0.0000	7,914.6744
2023	18.0113	57.9430	88.0209	0.1995	7.6181	2.3405	9.9586	2.7926	2.2784	4.3143	0.0000	19,621.0588	19,621.0588	1.8357	0.0000	19,666.9509
2024	17.5431	54.8402	86.5543	0.1975	7.6091	2.0605	9.6696	2.0337	2.0036	4.0372	0.0000	19,420.6565	19,420.6565	1.7955	0.0000	19,465.5450
2025	9.2662	51.7280	85.0517	0.1950	7.6093	1.7820	9.3912	2.0337	1.7317	3.7654	0.0000	19,175.8539	19,175.8539	1.7603	0.0000	19,219.8617
2026	9.1614	51.5469	83.9173	0.1929	7.6093	1.7801	9.3893	2.0337	1.7299	3.7636	0.0000	18,963.4298	18,963.4298	1.7469	0.0000	19,007.1031
2027	9.0586	51.3786	82.9055	0.1910	7.7156	1.7772	9.4928	2.0598	1.7272	3.7871	0.0000	18,775.0193	18,775.0193	1.7346	0.0000	18,818.3841
Maximum	18.0113	57.9430	88.0209	0.1995	7.7156	2.3405	9.9586	2.8357	2.2784	4.3143	0.0000	19,621.0588	19,621.0588	2.4481	0.0000	19,666.9509

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.7621	18.2948	48.8916	0.2163	21.6534	0.1535	21.8069	5.7927	0.1426	5.9353		22,124.3305	22,124.3305	0.9791		22,148.8072
Total	18.1994	20.4528	90.7469	0.2292	21.6534	0.5178	22.1712	5.7927	0.5069	6.2996	0.0000	24,348.8027	24,348.8027	1.0916	0.0394	24,387.8415

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.5518	17.2235	44.0746	0.1921	19.0983	0.1372	19.2355	5.1092	0.1274	5.2366		19,659.3147	19,659.3147	0.8814		19,681.3485
Total	17.9890	19.3815	85.9300	0.2051	19.0983	0.5014	19.5997	5.1092	0.4917	5.6008	0.0000	21,883.7870	21,883.7870	0.9939	0.0394	21,920.3828

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.16	5.24	5.31	10.53	11.80	3.16	11.60	11.80	3.00	11.09	0.00	10.12	10.12	8.95	0.00	10.12

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40
Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1252	0.0000	5.1252	2.8172	0.0000	2.8172			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.1252	0.4090	5.5342	2.8172	0.3763	3.1935		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3063	0.0000	2.3063	1.2678	0.0000	1.2678			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	2.3063	0.4090	2.7153	1.2678	0.3763	1.6440	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5450	0.0000	4.5450	1.6107	0.0000	1.6107			0.0000			0.0000
Off-Road	4.5816	47.0819	32.5658	0.0779		1.9426	1.9426		1.7872	1.7872		7,543.1001	7,543.1001	2.4396		7,604.0899
Total	4.5816	47.0819	32.5658	0.0779	4.5450	1.9426	6.4875	1.6107	1.7872	3.3979		7,543.1001	7,543.1001	2.4396		7,604.0899

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845
Total	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0452	0.0000	2.0452	0.7248	0.0000	0.7248			0.0000			0.0000
Off-Road	4.5816	47.0819	32.5658	0.0779		1.9426	1.9426		1.7872	1.7872	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899
Total	4.5816	47.0819	32.5658	0.0779	2.0452	1.9426	3.9878	0.7248	1.7872	2.5120	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845
Total	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.0535	0.4090	5.4625	2.7778	0.3763	3.1541		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	2.2741	0.4090	2.6831	1.2500	0.3763	1.6263	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.7569	7.0294	4.0257	8.6400e-003		0.3201	0.3201		0.2945	0.2945		837.2798	837.2798	0.2708		844.0496
Total	0.7569	7.0294	4.0257	8.6400e-003	5.0535	0.3201	5.3736	2.7778	0.2945	3.0723		837.2798	837.2798	0.2708		844.0496

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681
Total	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.7569	7.0294	4.0257	8.6400e-003		0.3201	0.3201		0.2945	0.2945	0.0000	837.2798	837.2798	0.2708		844.0496
Total	0.7569	7.0294	4.0257	8.6400e-003	2.2741	0.3201	2.5941	1.2500	0.2945	1.5445	0.0000	837.2798	837.2798	0.2708		844.0496

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681
Total	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
Total	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
Total	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.9843	6,025.9843	0.8569		6,047.4064
Total	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.9843	6,025.9843	0.8569		6,047.4064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6300e-003	0.1438	0.0515	6.3000e-004	0.0603	2.7000e-004	0.0606	0.0152	2.5000e-004	0.0155		68.4113	68.4113	4.7000e-003		68.5289
Vendor	0.2493	7.8107	2.6450	0.0269	0.7171	9.5300e-003	0.7266	0.2065	9.1100e-003	0.2156		2,875.5027	2,875.5027	0.1642		2,879.6074
Worker	2.1518	1.3586	15.9001	0.0510	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,083.2749	5,083.2749	0.1308		5,086.5453
Total	2.4057	9.3131	18.5966	0.0785	6.4780	0.0532	6.5311	1.7335	0.0493	1.7828		8,027.1889	8,027.1889	0.2997		8,034.6817

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489	0.0000	6,025.984 3	6,025.984 3	0.8569		6,047.406 4
Total	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489	0.0000	6,025.984 3	6,025.984 3	0.8569		6,047.406 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6300e-003	0.1438	0.0515	6.3000e-004	0.0603	2.7000e-004	0.0606	0.0152	2.5000e-004	0.0155		68.4113	68.4113	4.7000e-003		68.5289
Vendor	0.2493	7.8107	2.6450	0.0269	0.7171	9.5300e-003	0.7266	0.2065	9.1100e-003	0.2156		2,875.502 7	2,875.502 7	0.1642		2,879.607 4
Worker	2.1518	1.3586	15.9001	0.0510	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,083.274 9	5,083.274 9	0.1308		5,086.545 3
Total	2.4057	9.3131	18.5966	0.0785	6.4780	0.0532	6.5311	1.7335	0.0493	1.7828		8,027.188 9	8,027.188 9	0.2997		8,034.681 7

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6400e-003	0.1428	0.0520	6.2000e-004	0.0513	2.6000e-004	0.0516	0.0130	2.5000e-004	0.0133		68.1083	68.1083	4.7000e-003		68.2258
Vendor	0.2431	7.7827	2.5648	0.0267	0.7171	9.3700e-003	0.7265	0.2065	8.9500e-003	0.2154		2,864.350 4	2,864.350 4	0.1617		2,868.393 0
Worker	2.0419	1.2387	14.8024	0.0494	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		4,925.599 3	4,925.599 3	0.1199		4,928.595 9
Total	2.2896	9.1642	17.4192	0.0768	6.4690	0.0524	6.5213	1.7313	0.0485	1.7799		7,858.057 9	7,858.057 9	0.2863		7,865.214 6

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6400e-003	0.1428	0.0520	6.2000e-004	0.0513	2.6000e-004	0.0516	0.0130	2.5000e-004	0.0133		68.1083	68.1083	4.7000e-003		68.2258
Vendor	0.2431	7.7827	2.5648	0.0267	0.7171	9.3700e-003	0.7265	0.2065	8.9500e-003	0.2154		2,864.350 4	2,864.350 4	0.1617		2,868.393 0
Worker	2.0419	1.2387	14.8024	0.0494	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		4,925.599 3	4,925.599 3	0.1199		4,928.595 9
Total	2.2896	9.1642	17.4192	0.0768	6.4690	0.0524	6.5213	1.7313	0.0485	1.7799		7,858.057 9	7,858.057 9	0.2863		7,865.214 6

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6200e-003	0.1408	0.0523	6.2000e-004	0.0514	2.6000e-004	0.0517	0.0131	2.5000e-004	0.0133		67.7345	67.7345	4.6900e-003		67.8519
Vendor	0.2369	7.7168	2.4993	0.0266	0.7171	9.1900e-003	0.7263	0.2065	8.7800e-003	0.2153		2,848.9916	2,848.9916	0.1593		2,852.9734
Worker	1.9450	1.1331	13.7347	0.0475	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		4,734.9259	4,734.9259	0.1093		4,737.6572
Total	2.1865	8.9907	16.2864	0.0747	6.4692	0.0513	6.5204	1.7314	0.0476	1.7789		7,651.6520	7,651.6520	0.2732		7,658.4824

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6200e-003	0.1408	0.0523	6.2000e-004	0.0514	2.6000e-004	0.0517	0.0131	2.5000e-004	0.0133		67.7345	67.7345	4.6900e-003		67.8519
Vendor	0.2369	7.7168	2.4993	0.0266	0.7171	9.1900e-003	0.7263	0.2065	8.7800e-003	0.2153		2,848.9916	2,848.9916	0.1593		2,852.9734
Worker	1.9450	1.1331	13.7347	0.0475	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		4,734.9259	4,734.9259	0.1093		4,737.6572
Total	2.1865	8.9907	16.2864	0.0747	6.4692	0.0513	6.5204	1.7314	0.0476	1.7789		7,651.6520	7,651.6520	0.2732		7,658.4824

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5800e-003	0.1386	0.0526	6.2000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		67.3774	67.3774	4.6700e-003		67.4943
Vendor	0.2315	7.6451	2.4488	0.0264	0.7171	8.9800e-003	0.7261	0.2065	8.5800e-003	0.2151		2,834.2568	2,834.2568	0.1569		2,838.1783
Worker	1.8622	1.0437	12.8313	0.0458	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,570.4824	4,570.4824	0.1001		4,572.9855
Total	2.0983	8.8275	15.3327	0.0729	6.4692	0.0497	6.5188	1.7314	0.0460	1.7774		7,472.1166	7,472.1166	0.2617		7,478.6582

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5800e-003	0.1386	0.0526	6.2000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		67.3774	67.3774	4.6700e-003		67.4943
Vendor	0.2315	7.6451	2.4488	0.0264	0.7171	8.9800e-003	0.7261	0.2065	8.5800e-003	0.2151		2,834.2568	2,834.2568	0.1569		2,838.1783
Worker	1.8622	1.0437	12.8313	0.0458	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,570.4824	4,570.4824	0.1001		4,572.9855
Total	2.0983	8.8275	15.3327	0.0729	6.4692	0.0497	6.5188	1.7314	0.0460	1.7774		7,472.1166	7,472.1166	0.2617		7,478.6582

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5600e-003	0.1367	0.0528	6.1000e-004	0.1577	2.5000e-004	0.1580	0.0392	2.4000e-004	0.0394		67.0578	67.0578	4.6500e-003		67.1740
Vendor	0.2269	7.5759	2.4082	0.0263	0.7171	8.7800e-003	0.7259	0.2065	8.3900e-003	0.2149		2,821.0039	2,821.0039	0.1545		2,824.8655
Worker	1.7803	0.9628	12.0218	0.0444	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,424.7842	4,424.7842	0.0919		4,427.0806
Total	2.0118	8.6754	14.4828	0.0713	6.5755	0.0472	6.6227	1.7575	0.0438	1.8013		7,312.8458	7,312.8458	0.2510		7,319.1201

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5600e-003	0.1367	0.0528	6.1000e-004	0.1577	2.5000e-004	0.1580	0.0392	2.4000e-004	0.0394		67.0578	67.0578	4.6500e-003		67.1740
Vendor	0.2269	7.5759	2.4082	0.0263	0.7171	8.7800e-003	0.7259	0.2065	8.3900e-003	0.2149		2,821.0039	2,821.0039	0.1545		2,824.8655
Worker	1.7803	0.9628	12.0218	0.0444	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,424.7842	4,424.7842	0.0919		4,427.0806
Total	2.0118	8.6754	14.4828	0.0713	6.5755	0.0472	6.6227	1.7575	0.0438	1.8013		7,312.8458	7,312.8458	0.2510		7,319.1201

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.2410	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538
Total	3.8744	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091
Total	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.2410	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538
Total	3.8744	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091
Total	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1092	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981
Total	3.7426	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192
Total	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1092	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981
Total	3.7426	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192
Total	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314
Total	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314
Total	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971
Total	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971
Total	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161
Total	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161
Total	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5518	17.2235	44.0746	0.1921	19.0983	0.1372	19.2355	5.1092	0.1274	5.2366		19,659.31 47	19,659.31 47	0.8814		19,681.34 85
Unmitigated	3.7621	18.2948	48.8916	0.2163	21.6534	0.1535	21.8069	5.7927	0.1426	5.9353		22,124.33 05	22,124.33 05	0.9791		22,148.80 72

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Condo/Townhouse High Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Enclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Parking Lot	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
NaturalGas Unmitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12772.2	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5505.28	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12.7722	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5.50528	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Unmitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Winter

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

Metrowalk Project - 2028 - Unmitigated
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Base on Data Request

Off-road Equipment - Base on Data Request

Off-road Equipment - Based on data request

Off-road Equipment - Based on Data Request

Off-road Equipment - Based on Data Request

Trips and VMT - Based on Data Request Sheet. All AC trips under AC4. Haul trips for BC for construction waste.

Grading - Site Plan and Data Request Sheet

Architectural Coating - Split by phase. All parking to AC4.

Vehicle Trips - Based on ITE trip rates

Woodstoves - No fireplaces proposed

Area Coating -

Energy Use - 2019 Building Energy Efficiency Standards

Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00
tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00
tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.7020	47.1617	33.6806	0.0812	5.1939	1.9452	6.8255	2.8357	1.7896	3.4892	0.0000	7,872.7138	7,872.7138	2.4487	0.0000	7,933.9310
2023	17.7245	57.8209	89.6662	0.2041	7.6181	2.3400	9.9581	2.7926	2.2779	4.3138	0.0000	20,080.5088	20,080.5088	1.8369	0.0000	20,126.4316
2024	17.2639	54.7304	88.1038	0.2019	7.6091	2.0601	9.6692	2.0337	2.0032	4.0368	0.0000	19,867.7020	19,867.7020	1.7964	0.0000	19,912.6113
2025	8.9935	51.6302	86.4968	0.1993	7.6093	1.7816	9.3909	2.0337	1.7313	3.7650	0.0000	19,607.6031	19,607.6031	1.7607	0.0000	19,651.6205
2026	8.8937	51.4593	85.2742	0.1970	7.6093	1.7797	9.3890	2.0337	1.7296	3.7633	0.0000	19,382.0142	19,382.0142	1.7470	0.0000	19,425.6876
2027	8.7968	51.3006	84.1830	0.1950	7.7156	1.7769	9.4925	2.0598	1.7269	3.7868	0.0000	19,182.1659	19,182.1659	1.7343	0.0000	19,225.5225
Maximum	17.7245	57.8209	89.6662	0.2041	7.7156	2.3400	9.9581	2.8357	2.2779	4.3138	0.0000	20,080.5088	20,080.5088	2.4487	0.0000	20,126.4316

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.8827	17.9630	51.6342	0.2269	21.6534	0.1531	21.8065	5.7927	0.1421	5.9349		23,200.1170	23,200.1170	0.9784		23,224.5779
Total	18.3200	20.1210	93.4896	0.2398	21.6534	0.5173	22.1707	5.7927	0.5064	6.2992	0.0000	25,424.5893	25,424.5893	1.0910	0.0394	25,463.6122

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.6687	16.9526	46.3397	0.2017	19.0983	0.1367	19.2350	5.1092	0.1269	5.2361		20,624.1737	20,624.1737	0.8788		20,646.1430
Total	18.1060	19.1106	88.1950	0.2146	19.0983	0.5010	19.5993	5.1092	0.4912	5.6004	0.0000	22,848.6460	22,848.6460	0.9913	0.0394	22,885.1773

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.17	5.02	5.66	10.53	11.80	3.17	11.60	11.80	3.01	11.09	0.00	10.13	10.13	9.13	0.00	10.13

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40
Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1252	0.0000	5.1252	2.8172	0.0000	2.8172			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.1252	0.4090	5.5342	2.8172	0.3763	3.1935		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3063	0.0000	2.3063	1.2678	0.0000	1.2678			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	2.3063	0.4090	2.7153	1.2678	0.3763	1.6440	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5450	0.0000	4.5450	1.6107	0.0000	1.6107			0.0000			0.0000
Off-Road	4.5816	47.0819	32.5658	0.0779		1.9426	1.9426		1.7872	1.7872		7,543.1001	7,543.1001	2.4396		7,604.0899
Total	4.5816	47.0819	32.5658	0.0779	4.5450	1.9426	6.4875	1.6107	1.7872	3.3979		7,543.1001	7,543.1001	2.4396		7,604.0899

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411
Total	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0452	0.0000	2.0452	0.7248	0.0000	0.7248			0.0000			0.0000
Off-Road	4.5816	47.0819	32.5658	0.0779		1.9426	1.9426		1.7872	1.7872	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899
Total	4.5816	47.0819	32.5658	0.0779	2.0452	1.9426	3.9878	0.7248	1.7872	2.5120	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411
Total	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.0535	0.4090	5.4625	2.7778	0.3763	3.1541		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	2.2741	0.4090	2.6831	1.2500	0.3763	1.6263	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.7569	7.0294	4.0257	8.6400e-003		0.3201	0.3201		0.2945	0.2945		837.2798	837.2798	0.2708		844.0496
Total	0.7569	7.0294	4.0257	8.6400e-003	5.0535	0.3201	5.3736	2.7778	0.2945	3.0723		837.2798	837.2798	0.2708		844.0496

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583
Total	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.7569	7.0294	4.0257	8.6400e-003		0.3201	0.3201		0.2945	0.2945	0.0000	837.2798	837.2798	0.2708		844.0496
Total	0.7569	7.0294	4.0257	8.6400e-003	2.2741	0.3201	2.5941	1.2500	0.2945	1.5445	0.0000	837.2798	837.2798	0.2708		844.0496

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583
Total	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
Total	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
Total	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.984 3	6,025.984 3	0.8569		6,047.406 4
Total	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.984 3	6,025.984 3	0.8569		6,047.406 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5200e-003	0.1428	0.0494	6.4000e-004	0.0603	2.6000e-004	0.0606	0.0152	2.5000e-004	0.0155		69.6209	69.6209	4.5700e-003		69.7353
Vendor	0.2370	7.8464	2.4291	0.0276	0.7171	9.0600e-003	0.7261	0.2065	8.6600e-003	0.2151		2,955.763 2	2,955.763 2	0.1552		2,959.643 1
Worker	1.9230	1.2280	17.4529	0.0542	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,398.258 2	5,398.258 2	0.1394		5,401.744 2
Total	2.1646	9.2172	19.9314	0.0824	6.4780	0.0527	6.5306	1.7335	0.0488	1.7824		8,423.642 3	8,423.642 3	0.2992		8,431.122 6

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489	0.0000	6,025.984 3	6,025.984 3	0.8569		6,047.406 4
Total	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489	0.0000	6,025.984 3	6,025.984 3	0.8569		6,047.406 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5200e-003	0.1428	0.0494	6.4000e-004	0.0603	2.6000e-004	0.0606	0.0152	2.5000e-004	0.0155		69.6209	69.6209	4.5700e-003		69.7353
Vendor	0.2370	7.8464	2.4291	0.0276	0.7171	9.0600e-003	0.7261	0.2065	8.6600e-003	0.2151		2,955.763 2	2,955.763 2	0.1552		2,959.643 1
Worker	1.9230	1.2280	17.4529	0.0542	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,398.258 2	5,398.258 2	0.1394		5,401.744 2
Total	2.1646	9.2172	19.9314	0.0824	6.4780	0.0527	6.5306	1.7335	0.0488	1.7824		8,423.642 3	8,423.642 3	0.2992		8,431.122 6

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1418	0.0499	6.4000e-004	0.0513	2.6000e-004	0.0515	0.0130	2.5000e-004	0.0133		69.3043	69.3043	4.5700e-003		69.4186
Vendor	0.2313	7.8164	2.3551	0.0275	0.7171	8.9500e-003	0.7260	0.2065	8.5500e-003	0.2150		2,943.768 0	2,943.768 0	0.1530		2,947.592 7
Worker	1.8191	1.1199	16.2701	0.0525	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		5,230.959 2	5,230.959 2	0.1279		5,234.157 4
Total	2.0550	9.0781	18.6751	0.0806	6.4690	0.0519	6.5209	1.7313	0.0481	1.7795		8,244.031 4	8,244.031 4	0.2855		8,251.168 6

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1418	0.0499	6.4000e-004	0.0513	2.6000e-004	0.0515	0.0130	2.5000e-004	0.0133		69.3043	69.3043	4.5700e-003		69.4186
Vendor	0.2313	7.8164	2.3551	0.0275	0.7171	8.9500e-003	0.7260	0.2065	8.5500e-003	0.2150		2,943.768 0	2,943.768 0	0.1530		2,947.592 7
Worker	1.8191	1.1199	16.2701	0.0525	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		5,230.959 2	5,230.959 2	0.1279		5,234.157 4
Total	2.0550	9.0781	18.6751	0.0806	6.4690	0.0519	6.5209	1.7313	0.0481	1.7795		8,244.031 4	8,244.031 4	0.2855		8,251.168 6

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5100e-003	0.1398	0.0503	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.9167	68.9167	4.5700e-003		69.0310
Vendor	0.2255	7.7501	2.2946	0.0273	0.7171	8.8100e-003	0.7259	0.2065	8.4200e-003	0.2149		2,927.5476	2,927.5476	0.1508		2,931.3186
Worker	1.7273	1.0247	15.1113	0.0504	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		5,028.2684	5,028.2684	0.1167		5,031.1858
Total	1.9574	8.9145	17.4561	0.0784	6.4692	0.0509	6.5201	1.7314	0.0472	1.7785		8,024.7327	8,024.7327	0.2721		8,031.5354

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5100e-003	0.1398	0.0503	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.9167	68.9167	4.5700e-003		69.0310
Vendor	0.2255	7.7501	2.2946	0.0273	0.7171	8.8100e-003	0.7259	0.2065	8.4200e-003	0.2149		2,927.5476	2,927.5476	0.1508		2,931.3186
Worker	1.7273	1.0247	15.1113	0.0504	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		5,028.2684	5,028.2684	0.1167		5,031.1858
Total	1.9574	8.9145	17.4561	0.0784	6.4692	0.0509	6.5201	1.7314	0.0472	1.7785		8,024.7327	8,024.7327	0.2721		8,031.5354

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4800e-003	0.1376	0.0506	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.5462	68.5462	4.5600e-003		68.6601
Vendor	0.2204	7.6781	2.2483	0.0271	0.7171	8.6400e-003	0.7258	0.2065	8.2600e-003	0.2147		2,911.9719	2,911.9719	0.1487		2,915.6894
Worker	1.6484	0.9440	14.1308	0.0487	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,853.5661	4,853.5661	0.1070		4,856.2418
Total	1.8733	8.7598	16.4297	0.0764	6.4692	0.0493	6.5185	1.7314	0.0457	1.7771		7,834.0843	7,834.0843	0.2603		7,840.5914

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4800e-003	0.1376	0.0506	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.5462	68.5462	4.5600e-003		68.6601
Vendor	0.2204	7.6781	2.2483	0.0271	0.7171	8.6400e-003	0.7258	0.2065	8.2600e-003	0.2147		2,911.9719	2,911.9719	0.1487		2,915.6894
Worker	1.6484	0.9440	14.1308	0.0487	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,853.5661	4,853.5661	0.1070		4,856.2418
Total	1.8733	8.7598	16.4297	0.0764	6.4692	0.0493	6.5185	1.7314	0.0457	1.7771		7,834.0843	7,834.0843	0.2603		7,840.5914

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4500e-003	0.1357	0.0508	6.2000e-004	0.1577	2.4000e-004	0.1580	0.0392	2.3000e-004	0.0394		68.2157	68.2157	4.5400e-003		68.3291
Vendor	0.2162	7.6091	2.2110	0.0270	0.7171	8.4900e-003	0.7256	0.2065	8.1100e-003	0.2146		2,898.0351	2,898.0351	0.1466		2,901.6993
Worker	1.5712	0.8710	13.2523	0.0471	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,698.9154	4,698.9154	0.0983		4,701.3718
Total	1.7918	8.6157	15.5142	0.0747	6.5755	0.0469	6.6224	1.7575	0.0435	1.8010		7,665.1662	7,665.1662	0.2494		7,671.4003

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4500e-003	0.1357	0.0508	6.2000e-004	0.1577	2.4000e-004	0.1580	0.0392	2.3000e-004	0.0394		68.2157	68.2157	4.5400e-003		68.3291
Vendor	0.2162	7.6091	2.2110	0.0270	0.7171	8.4900e-003	0.7256	0.2065	8.1100e-003	0.2146		2,898.0351	2,898.0351	0.1466		2,901.6993
Worker	1.5712	0.8710	13.2523	0.0471	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,698.9154	4,698.9154	0.0983		4,701.3718
Total	1.7918	8.6157	15.5142	0.0747	6.5755	0.0469	6.6224	1.7575	0.0435	1.8010		7,665.1662	7,665.1662	0.2494		7,671.4003

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.2410	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538
Total	3.8744	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489
Total	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.2410	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538
Total	3.8744	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489
Total	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1092	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981
Total	3.7426	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315
Total	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1092	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981
Total	3.7426	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315
Total	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.6537	1,005.6537	0.0233		1,006.2372
Total	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.6537	1,005.6537	0.0233		1,006.2372

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.6537	1,005.6537	0.0233		1,006.2372
Total	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.6537	1,005.6537	0.0233		1,006.2372

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484
Total	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484
Total	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744
Total	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744
Total	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6687	16.9526	46.3397	0.2017	19.0983	0.1367	19.2350	5.1092	0.1269	5.2361		20,624.17 37	20,624.17 37	0.8788		20,646.14 30
Unmitigated	3.8827	17.9630	51.6342	0.2269	21.6534	0.1531	21.8065	5.7927	0.1421	5.9349		23,200.117 0	23,200.117 0	0.9784		23,224.57 79

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Condo/Townhouse High Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Enclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Parking Lot	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
NaturalGas Unmitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12772.2	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5505.28	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12.7722	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5.50528	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Unmitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Summer

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Metrowalk Project - 2028 - Unmitigated
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Base on Data Request

Off-road Equipment - Base on Data Request

Off-road Equipment - Based on data request

Off-road Equipment - Based on Data Request

Off-road Equipment - Based on Data Request

Trips and VMT - Based on Data Request Sheet. All AC trips under AC4. Haul trips for BC for construction waste.

Grading - Site Plan and Data Request Sheet

Architectural Coating - Split by phase. All parking to AC4.

Vehicle Trips - Based on ITE trip rates

Woodstoves - No fireplaces proposed

Area Coating -

Energy Use - 2019 Building Energy Efficiency Standards

Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00
tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00
tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2978	2.9254	1.9702	4.6000e-003	0.6447	0.1254	0.7701	0.3065	0.1153	0.4218	0.0000	404.7904	404.7904	0.1255	0.0000	407.9268
2023	1.4746	6.8412	10.3484	0.0240	1.0073	0.2726	1.2799	0.2904	0.2647	0.5551	0.0000	2,145.0183	2,145.0183	0.1963	0.0000	2,149.9256
2024	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7092	2,786.7092	0.2554	0.0000	2,793.0939
2025	1.4111	8.1204	13.3681	0.0307	1.1678	0.2788	1.4467	0.3126	0.2710	0.5836	0.0000	2,742.4572	2,742.4572	0.2496	0.0000	2,748.6964
2026	1.3958	8.0912	13.1865	0.0304	1.1678	0.2786	1.4464	0.3126	0.2707	0.5833	0.0000	2,711.7593	2,711.7593	0.2477	0.0000	2,717.9509
2027	0.4279	2.4991	4.0364	9.3300e-003	0.3670	0.0862	0.4531	0.0981	0.0838	0.1819	0.0000	831.9512	831.9512	0.0762	0.0000	833.8564
Maximum	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7092	2,786.7092	0.2554	0.0000	2,793.0939

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2978	2.9254	1.9702	4.6000e-003	0.3013	0.1254	0.4267	0.1409	0.1153	0.2562	0.0000	404.7900	404.7900	0.1255	0.0000	407.9263
2023	1.4746	6.8412	10.3484	0.0240	0.9670	0.2726	1.2396	0.2683	0.2647	0.5330	0.0000	2,145.0170	2,145.0170	0.1963	0.0000	2,149.9243
2024	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7074	2,786.7074	0.2554	0.0000	2,793.0921
2025	1.4111	8.1204	13.3680	0.0307	1.1678	0.2788	1.4467	0.3126	0.2710	0.5836	0.0000	2,742.4555	2,742.4555	0.2496	0.0000	2,748.6947
2026	1.3958	8.0912	13.1865	0.0304	1.1678	0.2786	1.4464	0.3126	0.2707	0.5833	0.0000	2,711.7575	2,711.7575	0.2477	0.0000	2,717.9492
2027	0.4279	2.4991	4.0364	9.3300e-003	0.3670	0.0862	0.4531	0.0981	0.0838	0.1819	0.0000	831.9507	831.9507	0.0762	0.0000	833.8559
Maximum	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7074	2,786.7074	0.2554	0.0000	2,793.0921

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	6.94	0.00	5.57	11.49	0.00	6.36	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-7-2022	6-6-2022	1.0215	1.0215
2	6-7-2022	9-6-2022	1.7091	1.7091
3	9-7-2022	12-6-2022	0.3656	0.3656
4	12-7-2022	3-6-2023	0.4098	0.4098
5	3-7-2023	6-6-2023	1.7063	1.7063

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

6	6-7-2023	9-6-2023	2.5851	2.5851
7	9-7-2023	12-6-2023	2.8813	2.8813
8	12-7-2023	3-6-2024	2.8612	2.8612
9	3-7-2024	6-6-2024	2.8088	2.8088
10	6-7-2024	9-6-2024	2.6139	2.6139
11	9-7-2024	12-6-2024	2.5142	2.5142
12	12-7-2024	3-6-2025	2.3909	2.3909
13	3-7-2025	6-6-2025	2.3943	2.3943
14	6-7-2025	9-6-2025	2.3903	2.3903
15	9-7-2025	12-6-2025	2.3750	2.3750
16	12-7-2025	3-6-2026	2.3447	2.3447
17	3-7-2026	6-6-2026	2.3834	2.3834
18	6-7-2026	9-6-2026	2.3796	2.3796
19	9-7-2026	12-6-2026	2.3640	2.3640
20	12-7-2026	3-6-2027	2.3341	2.3341
21	3-7-2027	6-6-2027	1.2399	1.2399
		Highest	2.8813	2.8813

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Energy	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	478.6702	478.6702	0.0120	7.5700e-003	481.2259
Mobile	0.5776	2.9218	7.7936	0.0344	3.3362	0.0241	3.3603	0.8940	0.0223	0.9163	0.0000	3,196.6456	3,196.6456	0.1388	0.0000	3,200.1166
Waste						0.0000	0.0000		0.0000	0.0000	46.5012	0.0000	46.5012	2.7481	0.0000	115.2047
Water						0.0000	0.0000		0.0000	0.0000	8.2351	90.6737	98.9088	0.8497	0.0207	126.3312
Total	3.1411	3.2884	13.0668	0.0367	3.3362	0.0774	3.4136	0.8940	0.0757	0.9697	54.7362	3,774.4009	3,829.1372	3.7568	0.0283	3,931.4922

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Energy	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	478.6702	478.6702	0.0120	7.5700e-003	481.2259
Mobile	0.5444	2.7500	7.0173	0.0306	2.9426	0.0215	2.9640	0.7885	0.0200	0.8084	0.0000	2,841.4987	2,841.4987	0.1249	0.0000	2,844.6201
Waste						0.0000	0.0000		0.0000	0.0000	46.5012	0.0000	46.5012	2.7481	0.0000	115.2047
Water						0.0000	0.0000		0.0000	0.0000	6.5881	77.6063	84.1944	0.6800	0.0166	106.1505
Total	3.1078	3.1166	12.2904	0.0328	2.9426	0.0748	3.0174	0.7885	0.0733	0.8618	53.0892	3,406.1866	3,459.2758	3.5731	0.0242	3,555.8149

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.06	5.23	5.94	10.44	11.80	3.32	11.61	11.80	3.16	11.12	3.01	9.76	9.66	4.89	14.48	9.56

3.0 Construction Detail

Construction Phase

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36
AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1204	0.0000	0.1204	0.0662	0.0000	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1982	0.1047	2.0000e-004	9.6100e-003	9.6100e-003	9.6100e-003	8.8400e-003	8.8400e-003	8.8400e-003	0.0000	17.8551	17.8551	5.7700e-003	0.0000	17.9994
Total	0.0212	0.1982	0.1047	2.0000e-004	0.1204	9.6100e-003	0.1301	0.0662	8.8400e-003	0.0750	0.0000	17.8551	17.8551	5.7700e-003	0.0000	17.9994

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.4100e-003	1.1900e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1484	1.1484	7.0000e-005	0.0000	1.1501
Worker	4.7000e-004	3.6000e-004	4.0900e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1211	1.1211	3.0000e-005	0.0000	1.1219
Total	6.1000e-004	4.7700e-003	5.2800e-003	2.0000e-005	1.5900e-003	2.0000e-005	1.6000e-003	4.3000e-004	2.0000e-005	4.4000e-004	0.0000	2.2695	2.2695	1.0000e-004	0.0000	2.2720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1982	0.1047	2.0000e-004		9.6100e-003	9.6100e-003		8.8400e-003	8.8400e-003	0.0000	17.8550	17.8550	5.7700e-003	0.0000	17.9994
Total	0.0212	0.1982	0.1047	2.0000e-004	0.0542	9.6100e-003	0.0638	0.0298	8.8400e-003	0.0386	0.0000	17.8550	17.8550	5.7700e-003	0.0000	17.9994

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.4100e-003	1.1900e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1484	1.1484	7.0000e-005	0.0000	1.1501
Worker	4.7000e-004	3.6000e-004	4.0900e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1211	1.1211	3.0000e-005	0.0000	1.1219
Total	6.1000e-004	4.7700e-003	5.2800e-003	2.0000e-005	1.5900e-003	2.0000e-005	1.6000e-003	4.3000e-004	2.0000e-005	4.4000e-004	0.0000	2.2695	2.2695	1.0000e-004	0.0000	2.2720

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2159	0.0000	0.2159	0.0765	0.0000	0.0765	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2176	2.2364	1.5469	3.7000e-003		0.0923	0.0923		0.0849	0.0849	0.0000	325.0418	325.0418	0.1051	0.0000	327.6699
Total	0.2176	2.2364	1.5469	3.7000e-003	0.2159	0.0923	0.3082	0.0765	0.0849	0.1614	0.0000	325.0418	325.0418	0.1051	0.0000	327.6699

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061
Total	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0972	0.0000	0.0972	0.0344	0.0000	0.0344	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2176	2.2364	1.5469	3.7000e-003		0.0923	0.0923		0.0849	0.0849	0.0000	325.0414	325.0414	0.1051	0.0000	327.6695
Total	0.2176	2.2364	1.5469	3.7000e-003	0.0972	0.0923	0.1894	0.0344	0.0849	0.1193	0.0000	325.0414	325.0414	0.1051	0.0000	327.6695

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061
Total	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2881	0.0000	0.2881	0.1583	0.0000	0.1583	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0514	0.4808	0.2538	4.9000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	43.3080	43.3080	0.0140	0.0000	43.6582
Total	0.0514	0.4808	0.2538	4.9000e-004	0.2881	0.0233	0.3114	0.1583	0.0215	0.1798	0.0000	43.3080	43.3080	0.0140	0.0000	43.6582

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212
Total	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1296	0.0000	0.1296	0.0713	0.0000	0.0713	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0514	0.4808	0.2538	4.9000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	43.3080	43.3080	0.0140	0.0000	43.6581
Total	0.0514	0.4808	0.2538	4.9000e-004	0.1296	0.0233	0.1529	0.0713	0.0215	0.0927	0.0000	43.3080	43.3080	0.0140	0.0000	43.6581

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212
Total	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0733	0.0000	0.0733	0.0403	0.0000	0.0403	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1019	0.0584	1.3000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028
Total	0.0110	0.1019	0.0584	1.3000e-004	0.0733	4.6400e-003	0.0779	0.0403	4.2700e-003	0.0446	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669
Total	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0330	0.0000	0.0330	0.0181	0.0000	0.0181	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1019	0.0584	1.3000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028
Total	0.0110	0.1019	0.0584	1.3000e-004	0.0330	4.6400e-003	0.0376	0.0181	4.2700e-003	0.0224	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669
Total	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6019	721.6019	0.1026	0.0000	724.1672
Total	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6019	721.6019	0.1026	0.0000	724.1672

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-004	0.0193	6.6400e-003	8.0000e-005	7.7900e-003	3.0000e-005	7.8200e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	8.2762	8.2762	5.5000e-004	0.0000	8.2900
Vendor	0.0320	1.0473	0.3358	3.6000e-003	0.0931	1.2200e-003	0.0944	0.0269	1.1700e-003	0.0281	0.0000	349.9113	349.9113	0.0191	0.0000	350.3880
Worker	0.2554	0.1843	2.1570	6.8400e-003	0.7377	5.7200e-003	0.7434	0.1959	5.2700e-003	0.2012	0.0000	618.8320	618.8320	0.0159	0.0000	619.2303
Total	0.2880	1.2509	2.4994	0.0105	0.8386	6.9700e-003	0.8456	0.2248	6.4700e-003	0.2313	0.0000	977.0195	977.0195	0.0356	0.0000	977.9083

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6010	721.6010	0.1026	0.0000	724.1663
Total	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6010	721.6010	0.1026	0.0000	724.1663

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-004	0.0193	6.6400e-003	8.0000e-005	7.7900e-003	3.0000e-005	7.8200e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	8.2762	8.2762	5.5000e-004	0.0000	8.2900
Vendor	0.0320	1.0473	0.3358	3.6000e-003	0.0931	1.2200e-003	0.0944	0.0269	1.1700e-003	0.0281	0.0000	349.9113	349.9113	0.0191	0.0000	350.3880
Worker	0.2554	0.1843	2.1570	6.8400e-003	0.7377	5.7200e-003	0.7434	0.1959	5.2700e-003	0.2012	0.0000	618.8320	618.8320	0.0159	0.0000	619.2303
Total	0.2880	1.2509	2.4994	0.0105	0.8386	6.9700e-003	0.8456	0.2248	6.4700e-003	0.2313	0.0000	977.0195	977.0195	0.0356	0.0000	977.9083

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2913	858.2913	0.1201	0.0000	861.2925
Total	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2913	858.2913	0.1201	0.0000	861.2925

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0228	7.9800e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7993	9.7993	6.6000e-004	0.0000	9.8158
Vendor	0.0371	1.2410	0.3871	4.2600e-003	0.1108	1.4300e-003	0.1122	0.0320	1.3700e-003	0.0333	0.0000	414.5244	414.5244	0.0223	0.0000	415.0830
Worker	0.2877	0.1998	2.3891	7.8900e-003	0.8774	6.7100e-003	0.8841	0.2330	6.1800e-003	0.2392	0.0000	713.2136	713.2136	0.0174	0.0000	713.6477
Total	0.3256	1.4636	2.7842	0.0123	0.9961	8.1800e-003	1.0042	0.2670	7.5900e-003	0.2746	0.0000	1,137.5372	1,137.5372	0.0404	0.0000	1,138.5465

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2902	858.2902	0.1201	0.0000	861.2915
Total	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2902	858.2902	0.1201	0.0000	861.2915

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0228	7.9800e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7993	9.7993	6.6000e-004	0.0000	9.8158
Vendor	0.0371	1.2410	0.3871	4.2600e-003	0.1108	1.4300e-003	0.1122	0.0320	1.3700e-003	0.0333	0.0000	414.5244	414.5244	0.0223	0.0000	415.0830
Worker	0.2877	0.1998	2.3891	7.8900e-003	0.8774	6.7100e-003	0.8841	0.2330	6.1800e-003	0.2392	0.0000	713.2136	713.2136	0.0174	0.0000	713.6477
Total	0.3256	1.4636	2.7842	0.0123	0.9961	8.1800e-003	1.0042	0.2670	7.5900e-003	0.2746	0.0000	1,137.5372	1,137.5372	0.0404	0.0000	1,138.5465

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0224	8.0100e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7139	9.7139	6.6000e-004	0.0000	9.7303
Vendor	0.0361	1.2263	0.3759	4.2200e-003	0.1104	1.4000e-003	0.1118	0.0319	1.3400e-003	0.0332	0.0000	410.9527	410.9527	0.0220	0.0000	411.5014
Worker	0.2727	0.1822	2.2102	7.5500e-003	0.8746	6.5500e-003	0.8812	0.2323	6.0300e-003	0.2383	0.0000	683.4137	683.4137	0.0158	0.0000	683.8082
Total	0.3095	1.4310	2.5941	0.0119	0.9929	7.9900e-003	1.0009	0.2662	7.4100e-003	0.2736	0.0000	1,104.0804	1,104.0804	0.0384	0.0000	1,105.0400

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0224	8.0100e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7139	9.7139	6.6000e-004	0.0000	9.7303
Vendor	0.0361	1.2263	0.3759	4.2200e-003	0.1104	1.4000e-003	0.1118	0.0319	1.3400e-003	0.0332	0.0000	410.9527	410.9527	0.0220	0.0000	411.5014
Worker	0.2727	0.1822	2.2102	7.5500e-003	0.8746	6.5500e-003	0.8812	0.2323	6.0300e-003	0.2383	0.0000	683.4137	683.4137	0.0158	0.0000	683.8082
Total	0.3095	1.4310	2.5941	0.0119	0.9929	7.9900e-003	1.0009	0.2662	7.4100e-003	0.2736	0.0000	1,104.0804	1,104.0804	0.0384	0.0000	1,105.0400

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0221	8.0500e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.6621	9.6621	6.5000e-004	0.0000	9.6785
Vendor	0.0353	1.2148	0.3683	4.2000e-003	0.1104	1.3700e-003	0.1118	0.0319	1.3100e-003	0.0332	0.0000	408.7915	408.7915	0.0216	0.0000	409.3322
Worker	0.2606	0.1679	2.0653	7.2900e-003	0.8746	6.3300e-003	0.8809	0.2323	5.8200e-003	0.2381	0.0000	659.6763	659.6763	0.0145	0.0000	660.0379
Total	0.2966	1.4047	2.4416	0.0116	0.9929	7.7400e-003	1.0007	0.2662	7.1700e-003	0.2733	0.0000	1,078.1299	1,078.1299	0.0367	0.0000	1,079.0486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0221	8.0500e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.6621	9.6621	6.5000e-004	0.0000	9.6785
Vendor	0.0353	1.2148	0.3683	4.2000e-003	0.1104	1.3700e-003	0.1118	0.0319	1.3100e-003	0.0332	0.0000	408.7915	408.7915	0.0216	0.0000	409.3322
Worker	0.2606	0.1679	2.0653	7.2900e-003	0.8746	6.3300e-003	0.8809	0.2323	5.8200e-003	0.2381	0.0000	659.6763	659.6763	0.0145	0.0000	660.0379
Total	0.2966	1.4047	2.4416	0.0116	0.9929	7.7400e-003	1.0007	0.2662	7.1700e-003	0.2733	0.0000	1,078.1299	1,078.1299	0.0367	0.0000	1,079.0486

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1393	265.1393	0.0366	0.0000	266.0538
Total	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1393	265.1393	0.0366	0.0000	266.0538

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	6.7500e-003	2.5100e-003	3.0000e-005	7.4800e-003	1.0000e-005	7.4900e-003	1.8600e-003	1.0000e-005	1.8700e-003	0.0000	2.9800	2.9800	2.0000e-004	0.0000	2.9850
Vendor	0.0107	0.3730	0.1122	1.2900e-003	0.0342	4.2000e-004	0.0346	9.8800e-003	4.0000e-004	0.0103	0.0000	126.0856	126.0856	6.6000e-003	0.0000	126.2507
Worker	0.0771	0.0480	0.5998	2.1900e-003	0.2711	1.8500e-003	0.2729	0.0720	1.7000e-003	0.0737	0.0000	197.9203	197.9203	4.1100e-003	0.0000	198.0231
Total	0.0880	0.4278	0.7145	3.5100e-003	0.3128	2.2800e-003	0.3150	0.0837	2.1100e-003	0.0858	0.0000	326.9859	326.9859	0.0109	0.0000	327.2589

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1390	265.1390	0.0366	0.0000	266.0535
Total	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1390	265.1390	0.0366	0.0000	266.0535

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	6.7500e-003	2.5100e-003	3.0000e-005	7.4800e-003	1.0000e-005	7.4900e-003	1.8600e-003	1.0000e-005	1.8700e-003	0.0000	2.9800	2.9800	2.0000e-004	0.0000	2.9850
Vendor	0.0107	0.3730	0.1122	1.2900e-003	0.0342	4.2000e-004	0.0346	9.8800e-003	4.0000e-004	0.0103	0.0000	126.0856	126.0856	6.6000e-003	0.0000	126.2507
Worker	0.0771	0.0480	0.5998	2.1900e-003	0.2711	1.8500e-003	0.2729	0.0720	1.7000e-003	0.0737	0.0000	197.9203	197.9203	4.1100e-003	0.0000	198.0231
Total	0.0880	0.4278	0.7145	3.5100e-003	0.3128	2.2800e-003	0.3150	0.0837	2.1100e-003	0.0858	0.0000	326.9859	326.9859	0.0109	0.0000	327.2589

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1883	1.6836	2.2657	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8198	346.8198	0.0498	0.0000	348.0637
Total	0.3255	1.6836	2.2657	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8198	346.8198	0.0498	0.0000	348.0637

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111
Total	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1883	1.6836	2.2656	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8194	346.8194	0.0498	0.0000	348.0633
Total	0.3255	1.6836	2.2656	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8194	346.8194	0.0498	0.0000	348.0633

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111
Total	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2379	648.2379	0.0915	0.0000	650.5254
Total	0.5876	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2379	648.2379	0.0915	0.0000	650.5254

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295
Total	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2372	648.2372	0.0915	0.0000	650.5246
Total	0.5876	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2372	648.2372	0.0915	0.0000	650.5246

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295
Total	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912
Total	0.5651	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616
Total	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904
Total	0.5651	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616
Total	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912
Total	0.5651	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076
Total	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904
Total	0.5651	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076
Total	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0959	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2420	200.2420	0.0279	0.0000	200.9391
Total	0.1751	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2420	200.2420	0.0279	0.0000	200.9391

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	9.6000e-003	0.1200	4.4000e-004	0.0542	3.7000e-004	0.0546	0.0144	3.4000e-004	0.0147	0.0000	39.5841	39.5841	8.2000e-004	0.0000	39.6046
Total	0.0154	9.6000e-003	0.1200	4.4000e-004	0.0542	3.7000e-004	0.0546	0.0144	3.4000e-004	0.0147	0.0000	39.5841	39.5841	8.2000e-004	0.0000	39.6046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0959	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2417	200.2417	0.0279	0.0000	200.9389
Total	0.1751	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2417	200.2417	0.0279	0.0000	200.9389

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

3.10 AC3 - 2024

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5444	2.7500	7.0173	0.0306	2.9426	0.0215	2.9640	0.7885	0.0200	0.8084	0.0000	2,841.4987	2,841.4987	0.1249	0.0000	2,844.6201
Unmitigated	0.5776	2.9218	7.7936	0.0344	3.3362	0.0241	3.3603	0.8940	0.0223	0.9163	0.0000	3,196.6456	3,196.6456	0.1388	0.0000	3,200.1166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Condo/Townhouse High Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Enclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Parking Lot	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.6646	122.6646	5.2000e-003	1.0400e-003	123.1047
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.6646	122.6646	5.2000e-003	1.0400e-003	123.1047
NaturalGas Mitigated	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8200e-003	6.5300e-003	358.1212
NaturalGas Unmitigated	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8200e-003	6.5300e-003	358.1212

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.66187e+006	0.0251	0.2148	0.0914	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.7750	248.7750	4.7700e-003	4.5600e-003	250.2533
Condo/Townhouse High Rise	2.00943e+006	0.0108	0.0926	0.0394	5.9000e-004		7.4900e-003	7.4900e-003		7.4900e-003	7.4900e-003	0.0000	107.2306	107.2306	2.0600e-003	1.9700e-003	107.8678
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8300e-003	6.5300e-003	358.1211

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.66187e+006	0.0251	0.2148	0.0914	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.7750	248.7750	4.7700e-003	4.5600e-003	250.2533
Condo/Townhouse High Rise	2.00943e+006	0.0108	0.0926	0.0394	5.9000e-004		7.4900e-003	7.4900e-003		7.4900e-003	7.4900e-003	0.0000	107.2306	107.2306	2.0600e-003	1.9700e-003	107.8678
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8300e-003	6.5300e-003	358.1211

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	680400	109.1450	4.6300e-003	9.3000e-004	109.5366
Parking Lot	84280	13.5196	5.7000e-004	1.1000e-004	13.5681
Total		122.6646	5.2000e-003	1.0400e-003	123.1047

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	680400	109.1450	4.6300e-003	9.3000e-004	109.5366
Parking Lot	84280	13.5196	5.7000e-004	1.1000e-004	13.5681
Total		122.6646	5.2000e-003	1.0400e-003	123.1047

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Unmitigated	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1806					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1551	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Total	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1806					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1551	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Total	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	84.1944	0.6800	0.0166	106.1505
Unmitigated	98.9088	0.8497	0.0207	126.3312

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	18.1389 / 14.2942	69.1170	0.5937	0.0145	88.2797
Condo/Townhouse High Rise	7.81848 / 6.1613	29.7918	0.2559	6.2500e-003	38.0516
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		98.9088	0.8497	0.0207	126.3312

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.5111 / 13.4223	58.8346	0.4751	0.0116	74.1775
Condo/Townhouse High Rise	6.25479 / 5.78547	25.3597	0.2048	5.0100e-003	31.9730
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		84.1944	0.6799	0.0166	106.1505

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	46.5012	2.7481	0.0000	115.2047
Unmitigated	46.5012	2.7481	0.0000	115.2047

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	160.08	32.4948	1.9204	0.0000	80.5045
Condo/Townhouse High Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		46.5012	2.7481	0.0000	115.2047

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	160.08	32.4948	1.9204	0.0000	80.5045
Condo/Townhouse High Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		46.5012	2.7481	0.0000	115.2047

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Metrowalk Project - 2028 - Unmitigated - Los Angeles-South Coast County, Annual

Equipment Type	Number
----------------	--------

11.0 Vegetation

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Metrowalk Project - 2030
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

- Off-road Equipment - Based on data request
- Off-road Equipment - Base on Data Request
- Off-road Equipment - Base on Data Request
- Off-road Equipment - Based on data request
- Off-road Equipment - Based on Data Request
- Off-road Equipment - Based on Data Request
- Trips and VMT - Based on Data Request Sheet. All AC trips under AC4.
- Grading - Site Plan and Data Request Sheet
- Architectural Coating - Split by phase. All parking to AC4.
- Vehicle Trips - Based on ITE trip rates
- Vehicle Emission Factors - Public Resources Code Section 21159.28
- Vehicle Emission Factors - Public Resources Code Section 21159.28
- Vehicle Emission Factors - Public Resources Code Section 21159.28
- Woodstoves - No fireplaces proposed
- Area Coating -
- Energy Use - 2019 Building Energy Efficiency Standards
- Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)
- Solid Waste -
- Construction Off-road Equipment Mitigation - SCAQMD Rule 403
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -
- Water Mitigation -
- Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	102,301.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	25,779.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	201,498.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	73,396.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	306,902.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	77,336.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	604,495.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	220,187.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00
tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00
tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleEF	LDA	2.7530e-003	0.00
tblVehicleEF	LDA	2.1570e-003	0.00
tblVehicleEF	LDA	0.41	0.00
tblVehicleEF	LDA	0.61	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	206.71	0.00
tblVehicleEF	LDA	42.61	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.00
tblVehicleEF	LDA	1.4730e-003	0.00
tblVehicleEF	LDA	1.7910e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	2.0000e-003	0.00
tblVehicleEF	LDA	1.3550e-003	0.00
tblVehicleEF	LDA	1.6460e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.9100e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	2.0690e-003	0.00
tblVehicleEF	LDA	4.3600e-004	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	2.9310e-003	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	1.9230e-003	0.00
tblVehicleEF	LDA	0.45	0.00
tblVehicleEF	LDA	0.52	0.00
tblVehicleEF	LDA	216.34	0.00
tblVehicleEF	LDA	42.61	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.00
tblVehicleEF	LDA	1.4730e-003	0.00
tblVehicleEF	LDA	1.7910e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	2.0000e-003	0.00
tblVehicleEF	LDA	1.3550e-003	0.00
tblVehicleEF	LDA	1.6460e-003	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	7.3500e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	2.1660e-003	0.00
tblVehicleEF	LDA	4.3400e-004	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.01	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	2.6960e-003	0.00
tblVehicleEF	LDA	2.2070e-003	0.00
tblVehicleEF	LDA	0.39	0.00
tblVehicleEF	LDA	0.63	0.00
tblVehicleEF	LDA	203.19	0.00
tblVehicleEF	LDA	42.61	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.00
tblVehicleEF	LDA	1.4730e-003	0.00
tblVehicleEF	LDA	1.7910e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	2.0000e-003	0.00
tblVehicleEF	LDA	1.3550e-003	0.00
tblVehicleEF	LDA	1.6460e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.7690e-003	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	2.0340e-003	0.00
tblVehicleEF	LDA	4.3600e-004	0.00
tblVehicleEF	LDA	0.02	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	9.8420e-003	0.00
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDT1	6.9520e-003	0.00
tblVehicleEF	LDT1	5.6080e-003	0.00
tblVehicleEF	LDT1	0.84	0.00
tblVehicleEF	LDT1	1.27	0.00
tblVehicleEF	LDT1	271.30	0.00
tblVehicleEF	LDT1	55.18	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.00
tblVehicleEF	LDT1	2.1890e-003	0.00
tblVehicleEF	LDT1	2.3480e-003	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.0000e-003	0.00
tblVehicleEF	LDT1	2.0130e-003	0.00
tblVehicleEF	LDT1	2.1590e-003	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.08	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT1	2.7220e-003	0.00
tblVehicleEF	LDT1	5.7300e-004	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.08	0.00
tblVehicleEF	LDT1	7.3580e-003	0.00
tblVehicleEF	LDT1	4.9870e-003	0.00
tblVehicleEF	LDT1	0.92	0.00
tblVehicleEF	LDT1	1.08	0.00
tblVehicleEF	LDT1	283.27	0.00
tblVehicleEF	LDT1	55.18	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.00
tblVehicleEF	LDT1	2.1890e-003	0.00
tblVehicleEF	LDT1	2.3480e-003	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.0000e-003	0.00
tblVehicleEF	LDT1	2.0130e-003	0.00
tblVehicleEF	LDT1	2.1590e-003	0.00
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.16	0.00
tblVehicleEF	LDT1	0.09	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	2.8430e-003	0.00
tblVehicleEF	LDT1	5.7000e-004	0.00
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.16	0.00
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	6.8200e-003	0.00
tblVehicleEF	LDT1	5.7380e-003	0.00
tblVehicleEF	LDT1	0.81	0.00
tblVehicleEF	LDT1	1.31	0.00
tblVehicleEF	LDT1	266.90	0.00
tblVehicleEF	LDT1	55.18	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.00
tblVehicleEF	LDT1	2.1890e-003	0.00
tblVehicleEF	LDT1	2.3480e-003	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.0000e-003	0.00
tblVehicleEF	LDT1	2.0130e-003	0.00
tblVehicleEF	LDT1	2.1590e-003	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.08	0.00
tblVehicleEF	LDT1	2.6780e-003	0.00
tblVehicleEF	LDT1	5.7400e-004	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.08	0.00
tblVehicleEF	LDT2	4.0800e-003	0.00
tblVehicleEF	LDT2	2.8850e-003	0.00
tblVehicleEF	LDT2	0.58	0.00
tblVehicleEF	LDT2	0.80	0.00
tblVehicleEF	LDT2	298.13	0.00
tblVehicleEF	LDT2	60.47	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	8.0000e-003	0.00
tblVehicleEF	LDT2	1.7210e-003	0.00
tblVehicleEF	LDT2	2.0290e-003	0.00
tblVehicleEF	LDT2	0.02	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT2	2.0000e-003	0.00
tblVehicleEF	LDT2	1.5830e-003	0.00
tblVehicleEF	LDT2	1.8660e-003	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	2.9850e-003	0.00
tblVehicleEF	LDT2	6.1800e-004	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	4.3330e-003	0.00
tblVehicleEF	LDT2	2.5890e-003	0.00
tblVehicleEF	LDT2	0.64	0.00
tblVehicleEF	LDT2	0.70	0.00
tblVehicleEF	LDT2	311.45	0.00
tblVehicleEF	LDT2	60.47	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	8.0000e-003	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT2	1.7210e-003	0.00
tblVehicleEF	LDT2	2.0290e-003	0.00
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	2.0000e-003	0.00
tblVehicleEF	LDT2	1.5830e-003	0.00
tblVehicleEF	LDT2	1.8660e-003	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	3.1190e-003	0.00
tblVehicleEF	LDT2	6.1600e-004	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	3.9970e-003	0.00
tblVehicleEF	LDT2	2.9490e-003	0.00
tblVehicleEF	LDT2	0.56	0.00
tblVehicleEF	LDT2	0.82	0.00
tblVehicleEF	LDT2	293.23	0.00
tblVehicleEF	LDT2	60.47	0.00
tblVehicleEF	LDT2	0.04	0.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	8.0000e-003	0.00
tblVehicleEF	LDT2	1.7210e-003	0.00
tblVehicleEF	LDT2	2.0290e-003	0.00
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	2.0000e-003	0.00
tblVehicleEF	LDT2	1.5830e-003	0.00
tblVehicleEF	LDT2	1.8660e-003	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.9350e-003	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	2.9360e-003	0.00
tblVehicleEF	LDT2	6.1800e-004	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.04	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2978	2.9254	1.9702	4.6000e-003	0.6447	0.1254	0.7701	0.3065	0.1153	0.4218	0.0000	404.7904	404.7904	0.1255	0.0000	407.9268
2023	1.4746	6.8412	10.3484	0.0240	1.0073	0.2726	1.2799	0.2904	0.2647	0.5551	0.0000	2,145.0183	2,145.0183	0.1963	0.0000	2,149.9256
2024	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7092	2,786.7092	0.2554	0.0000	2,793.0939
2025	1.4111	8.1204	13.3681	0.0307	1.1678	0.2788	1.4467	0.3126	0.2710	0.5836	0.0000	2,742.4572	2,742.4572	0.2496	0.0000	2,748.6964
2026	1.3958	8.0912	13.1865	0.0304	1.1678	0.2786	1.4464	0.3126	0.2707	0.5833	0.0000	2,711.7593	2,711.7593	0.2477	0.0000	2,717.9509
2027	0.4279	2.4991	4.0364	9.3300e-003	0.3670	0.0862	0.4531	0.0981	0.0838	0.1819	0.0000	831.9512	831.9512	0.0762	0.0000	833.8564
Maximum	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7092	2,786.7092	0.2554	0.0000	2,793.0939

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2978	2.9254	1.9702	4.6000e-003	0.3013	0.1254	0.4267	0.1409	0.1153	0.2562	0.0000	404.7900	404.7900	0.1255	0.0000	407.9263
2023	1.4746	6.8412	10.3484	0.0240	0.9670	0.2726	1.2396	0.2683	0.2647	0.5330	0.0000	2,145.0170	2,145.0170	0.1963	0.0000	2,149.9243
2024	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7074	2,786.7074	0.2554	0.0000	2,793.0921
2025	1.4111	8.1204	13.3680	0.0307	1.1678	0.2788	1.4467	0.3126	0.2710	0.5836	0.0000	2,742.4555	2,742.4555	0.2496	0.0000	2,748.6947
2026	1.3958	8.0912	13.1865	0.0304	1.1678	0.2786	1.4464	0.3126	0.2707	0.5833	0.0000	2,711.7575	2,711.7575	0.2477	0.0000	2,717.9492
2027	0.4279	2.4991	4.0364	9.3300e-003	0.3670	0.0862	0.4531	0.0981	0.0838	0.1819	0.0000	831.9507	831.9507	0.0762	0.0000	833.8559
Maximum	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7074	2,786.7074	0.2554	0.0000	2,793.0921

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	6.94	0.00	5.57	11.49	0.00	6.36	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-7-2022	6-6-2022	1.0215	1.0215
2	6-7-2022	9-6-2022	1.7091	1.7091
3	9-7-2022	12-6-2022	0.3656	0.3656
4	12-7-2022	3-6-2023	0.4098	0.4098
5	3-7-2023	6-6-2023	1.7063	1.7063

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

6	6-7-2023	9-6-2023	2.5851	2.5851
7	9-7-2023	12-6-2023	2.8813	2.8813
8	12-7-2023	3-6-2024	2.8612	2.8612
9	3-7-2024	6-6-2024	2.8088	2.8088
10	6-7-2024	9-6-2024	2.6139	2.6139
11	9-7-2024	12-6-2024	2.5142	2.5142
12	12-7-2024	3-6-2025	2.3909	2.3909
13	3-7-2025	6-6-2025	2.3943	2.3943
14	6-7-2025	9-6-2025	2.3903	2.3903
15	9-7-2025	12-6-2025	2.3750	2.3750
16	12-7-2025	3-6-2026	2.3447	2.3447
17	3-7-2026	6-6-2026	2.3834	2.3834
18	6-7-2026	9-6-2026	2.3796	2.3796
19	9-7-2026	12-6-2026	2.3640	2.3640
20	12-7-2026	3-6-2027	2.3341	2.3341
21	3-7-2027	6-6-2027	1.2399	1.2399
		Highest	2.8813	2.8813

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5266	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127
Energy	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	478.6702	478.6702	0.0120	7.5700e-003	481.2259
Mobile	0.3039	2.5158	2.8979	0.0147	2.9906	7.4400e-003	2.9980	0.7568	7.0200e-003	0.7638	0.0000	1,412.6608	1,412.6608	0.1042	0.0000	1,415.2653
Waste						0.0000	0.0000		0.0000	0.0000	46.5012	0.0000	46.5012	2.7481	0.0000	115.2047
Water						0.0000	0.0000		0.0000	0.0000	8.2351	90.6737	98.9088	0.8497	0.0207	126.3312
Total	2.8665	2.8824	8.1623	0.0170	2.9906	0.0608	3.0514	0.7568	0.0604	0.8172	54.7362	1,990.4161	2,045.1524	3.7221	0.0283	2,146.6398

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5266	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127
Energy	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	478.6702	478.6702	0.0120	7.5700e-003	481.2259
Mobile	0.2802	2.3893	2.6188	0.0132	2.6377	6.6200e-003	2.6443	0.6675	6.2500e-003	0.6738	0.0000	1,263.7070	1,263.7070	0.0939	0.0000	1,266.0554
Waste						0.0000	0.0000		0.0000	0.0000	46.5012	0.0000	46.5012	2.7481	0.0000	115.2047
Water						0.0000	0.0000		0.0000	0.0000	6.5881	77.6063	84.1944	0.6800	0.0166	106.1505
Total	2.8428	2.7559	7.8832	0.0154	2.6377	0.0600	2.6977	0.6675	0.0596	0.7271	53.0892	1,828.3950	1,881.4842	3.5421	0.0242	1,977.2492

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.83	4.39	3.42	9.20	11.80	1.35	11.59	11.80	1.28	11.02	3.01	8.14	8.00	4.83	14.48	7.89

3.0 Construction Detail

Construction Phase

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36
AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1204	0.0000	0.1204	0.0662	0.0000	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1982	0.1047	2.0000e-004	9.6100e-003	9.6100e-003	9.6100e-003	8.8400e-003	8.8400e-003	8.8400e-003	0.0000	17.8551	17.8551	5.7700e-003	0.0000	17.9994
Total	0.0212	0.1982	0.1047	2.0000e-004	0.1204	9.6100e-003	0.1301	0.0662	8.8400e-003	0.0750	0.0000	17.8551	17.8551	5.7700e-003	0.0000	17.9994

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.4100e-003	1.1900e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1484	1.1484	7.0000e-005	0.0000	1.1501
Worker	4.7000e-004	3.6000e-004	4.0900e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1211	1.1211	3.0000e-005	0.0000	1.1219
Total	6.1000e-004	4.7700e-003	5.2800e-003	2.0000e-005	1.5900e-003	2.0000e-005	1.6000e-003	4.3000e-004	2.0000e-005	4.4000e-004	0.0000	2.2695	2.2695	1.0000e-004	0.0000	2.2720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1982	0.1047	2.0000e-004		9.6100e-003	9.6100e-003		8.8400e-003	8.8400e-003	0.0000	17.8550	17.8550	5.7700e-003	0.0000	17.9994
Total	0.0212	0.1982	0.1047	2.0000e-004	0.0542	9.6100e-003	0.0638	0.0298	8.8400e-003	0.0386	0.0000	17.8550	17.8550	5.7700e-003	0.0000	17.9994

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.4100e-003	1.1900e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1484	1.1484	7.0000e-005	0.0000	1.1501
Worker	4.7000e-004	3.6000e-004	4.0900e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1211	1.1211	3.0000e-005	0.0000	1.1219
Total	6.1000e-004	4.7700e-003	5.2800e-003	2.0000e-005	1.5900e-003	2.0000e-005	1.6000e-003	4.3000e-004	2.0000e-005	4.4000e-004	0.0000	2.2695	2.2695	1.0000e-004	0.0000	2.2720

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2159	0.0000	0.2159	0.0765	0.0000	0.0765	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2176	2.2364	1.5469	3.7000e-003		0.0923	0.0923		0.0849	0.0849	0.0000	325.0418	325.0418	0.1051	0.0000	327.6699
Total	0.2176	2.2364	1.5469	3.7000e-003	0.2159	0.0923	0.3082	0.0765	0.0849	0.1614	0.0000	325.0418	325.0418	0.1051	0.0000	327.6699

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061
Total	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0972	0.0000	0.0972	0.0344	0.0000	0.0344	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2176	2.2364	1.5469	3.7000e-003		0.0923	0.0923		0.0849	0.0849	0.0000	325.0414	325.0414	0.1051	0.0000	327.6695
Total	0.2176	2.2364	1.5469	3.7000e-003	0.0972	0.0923	0.1894	0.0344	0.0849	0.1193	0.0000	325.0414	325.0414	0.1051	0.0000	327.6695

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061
Total	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2881	0.0000	0.2881	0.1583	0.0000	0.1583	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0514	0.4808	0.2538	4.9000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	43.3080	43.3080	0.0140	0.0000	43.6582
Total	0.0514	0.4808	0.2538	4.9000e-004	0.2881	0.0233	0.3114	0.1583	0.0215	0.1798	0.0000	43.3080	43.3080	0.0140	0.0000	43.6582

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212
Total	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1296	0.0000	0.1296	0.0713	0.0000	0.0713	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0514	0.4808	0.2538	4.9000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	43.3080	43.3080	0.0140	0.0000	43.6581
Total	0.0514	0.4808	0.2538	4.9000e-004	0.1296	0.0233	0.1529	0.0713	0.0215	0.0927	0.0000	43.3080	43.3080	0.0140	0.0000	43.6581

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212
Total	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0733	0.0000	0.0733	0.0403	0.0000	0.0403	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1019	0.0584	1.3000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028
Total	0.0110	0.1019	0.0584	1.3000e-004	0.0733	4.6400e-003	0.0779	0.0403	4.2700e-003	0.0446	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669
Total	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0330	0.0000	0.0330	0.0181	0.0000	0.0181	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1019	0.0584	1.3000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028
Total	0.0110	0.1019	0.0584	1.3000e-004	0.0330	4.6400e-003	0.0376	0.0181	4.2700e-003	0.0224	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669
Total	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6019	721.6019	0.1026	0.0000	724.1672
Total	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6019	721.6019	0.1026	0.0000	724.1672

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-004	0.0193	6.6400e-003	8.0000e-005	7.7900e-003	3.0000e-005	7.8200e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	8.2762	8.2762	5.5000e-004	0.0000	8.2900
Vendor	0.0320	1.0473	0.3358	3.6000e-003	0.0931	1.2200e-003	0.0944	0.0269	1.1700e-003	0.0281	0.0000	349.9113	349.9113	0.0191	0.0000	350.3880
Worker	0.2554	0.1843	2.1570	6.8400e-003	0.7377	5.7200e-003	0.7434	0.1959	5.2700e-003	0.2012	0.0000	618.8320	618.8320	0.0159	0.0000	619.2303
Total	0.2880	1.2509	2.4994	0.0105	0.8386	6.9700e-003	0.8456	0.2248	6.4700e-003	0.2313	0.0000	977.0195	977.0195	0.0356	0.0000	977.9083

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6010	721.6010	0.1026	0.0000	724.1663
Total	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6010	721.6010	0.1026	0.0000	724.1663

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-004	0.0193	6.6400e-003	8.0000e-005	7.7900e-003	3.0000e-005	7.8200e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	8.2762	8.2762	5.5000e-004	0.0000	8.2900
Vendor	0.0320	1.0473	0.3358	3.6000e-003	0.0931	1.2200e-003	0.0944	0.0269	1.1700e-003	0.0281	0.0000	349.9113	349.9113	0.0191	0.0000	350.3880
Worker	0.2554	0.1843	2.1570	6.8400e-003	0.7377	5.7200e-003	0.7434	0.1959	5.2700e-003	0.2012	0.0000	618.8320	618.8320	0.0159	0.0000	619.2303
Total	0.2880	1.2509	2.4994	0.0105	0.8386	6.9700e-003	0.8456	0.2248	6.4700e-003	0.2313	0.0000	977.0195	977.0195	0.0356	0.0000	977.9083

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2913	858.2913	0.1201	0.0000	861.2925
Total	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2913	858.2913	0.1201	0.0000	861.2925

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0228	7.9800e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7993	9.7993	6.6000e-004	0.0000	9.8158
Vendor	0.0371	1.2410	0.3871	4.2600e-003	0.1108	1.4300e-003	0.1122	0.0320	1.3700e-003	0.0333	0.0000	414.5244	414.5244	0.0223	0.0000	415.0830
Worker	0.2877	0.1998	2.3891	7.8900e-003	0.8774	6.7100e-003	0.8841	0.2330	6.1800e-003	0.2392	0.0000	713.2136	713.2136	0.0174	0.0000	713.6477
Total	0.3256	1.4636	2.7842	0.0123	0.9961	8.1800e-003	1.0042	0.2670	7.5900e-003	0.2746	0.0000	1,137.5372	1,137.5372	0.0404	0.0000	1,138.5465

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2902	858.2902	0.1201	0.0000	861.2915
Total	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2902	858.2902	0.1201	0.0000	861.2915

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0228	7.9800e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7993	9.7993	6.6000e-004	0.0000	9.8158
Vendor	0.0371	1.2410	0.3871	4.2600e-003	0.1108	1.4300e-003	0.1122	0.0320	1.3700e-003	0.0333	0.0000	414.5244	414.5244	0.0223	0.0000	415.0830
Worker	0.2877	0.1998	2.3891	7.8900e-003	0.8774	6.7100e-003	0.8841	0.2330	6.1800e-003	0.2392	0.0000	713.2136	713.2136	0.0174	0.0000	713.6477
Total	0.3256	1.4636	2.7842	0.0123	0.9961	8.1800e-003	1.0042	0.2670	7.5900e-003	0.2746	0.0000	1,137.5372	1,137.5372	0.0404	0.0000	1,138.5465

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0224	8.0100e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7139	9.7139	6.6000e-004	0.0000	9.7303
Vendor	0.0361	1.2263	0.3759	4.2200e-003	0.1104	1.4000e-003	0.1118	0.0319	1.3400e-003	0.0332	0.0000	410.9527	410.9527	0.0220	0.0000	411.5014
Worker	0.2727	0.1822	2.2102	7.5500e-003	0.8746	6.5500e-003	0.8812	0.2323	6.0300e-003	0.2383	0.0000	683.4137	683.4137	0.0158	0.0000	683.8082
Total	0.3095	1.4310	2.5941	0.0119	0.9929	7.9900e-003	1.0009	0.2662	7.4100e-003	0.2736	0.0000	1,104.0804	1,104.0804	0.0384	0.0000	1,105.0400

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0224	8.0100e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7139	9.7139	6.6000e-004	0.0000	9.7303
Vendor	0.0361	1.2263	0.3759	4.2200e-003	0.1104	1.4000e-003	0.1118	0.0319	1.3400e-003	0.0332	0.0000	410.9527	410.9527	0.0220	0.0000	411.5014
Worker	0.2727	0.1822	2.2102	7.5500e-003	0.8746	6.5500e-003	0.8812	0.2323	6.0300e-003	0.2383	0.0000	683.4137	683.4137	0.0158	0.0000	683.8082
Total	0.3095	1.4310	2.5941	0.0119	0.9929	7.9900e-003	1.0009	0.2662	7.4100e-003	0.2736	0.0000	1,104.0804	1,104.0804	0.0384	0.0000	1,105.0400

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0221	8.0500e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.6621	9.6621	6.5000e-004	0.0000	9.6785
Vendor	0.0353	1.2148	0.3683	4.2000e-003	0.1104	1.3700e-003	0.1118	0.0319	1.3100e-003	0.0332	0.0000	408.7915	408.7915	0.0216	0.0000	409.3322
Worker	0.2606	0.1679	2.0653	7.2900e-003	0.8746	6.3300e-003	0.8809	0.2323	5.8200e-003	0.2381	0.0000	659.6763	659.6763	0.0145	0.0000	660.0379
Total	0.2966	1.4047	2.4416	0.0116	0.9929	7.7400e-003	1.0007	0.2662	7.1700e-003	0.2733	0.0000	1,078.1299	1,078.1299	0.0367	0.0000	1,079.0486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0221	8.0500e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.6621	9.6621	6.5000e-004	0.0000	9.6785
Vendor	0.0353	1.2148	0.3683	4.2000e-003	0.1104	1.3700e-003	0.1118	0.0319	1.3100e-003	0.0332	0.0000	408.7915	408.7915	0.0216	0.0000	409.3322
Worker	0.2606	0.1679	2.0653	7.2900e-003	0.8746	6.3300e-003	0.8809	0.2323	5.8200e-003	0.2381	0.0000	659.6763	659.6763	0.0145	0.0000	660.0379
Total	0.2966	1.4047	2.4416	0.0116	0.9929	7.7400e-003	1.0007	0.2662	7.1700e-003	0.2733	0.0000	1,078.1299	1,078.1299	0.0367	0.0000	1,079.0486

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1393	265.1393	0.0366	0.0000	266.0538
Total	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1393	265.1393	0.0366	0.0000	266.0538

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	6.7500e-003	2.5100e-003	3.0000e-005	7.4800e-003	1.0000e-005	7.4900e-003	1.8600e-003	1.0000e-005	1.8700e-003	0.0000	2.9800	2.9800	2.0000e-004	0.0000	2.9850
Vendor	0.0107	0.3730	0.1122	1.2900e-003	0.0342	4.2000e-004	0.0346	9.8800e-003	4.0000e-004	0.0103	0.0000	126.0856	126.0856	6.6000e-003	0.0000	126.2507
Worker	0.0771	0.0480	0.5998	2.1900e-003	0.2711	1.8500e-003	0.2729	0.0720	1.7000e-003	0.0737	0.0000	197.9203	197.9203	4.1100e-003	0.0000	198.0231
Total	0.0880	0.4278	0.7145	3.5100e-003	0.3128	2.2800e-003	0.3150	0.0837	2.1100e-003	0.0858	0.0000	326.9859	326.9859	0.0109	0.0000	327.2589

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1390	265.1390	0.0366	0.0000	266.0535
Total	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1390	265.1390	0.0366	0.0000	266.0535

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	6.7500e-003	2.5100e-003	3.0000e-005	7.4800e-003	1.0000e-005	7.4900e-003	1.8600e-003	1.0000e-005	1.8700e-003	0.0000	2.9800	2.9800	2.0000e-004	0.0000	2.9850
Vendor	0.0107	0.3730	0.1122	1.2900e-003	0.0342	4.2000e-004	0.0346	9.8800e-003	4.0000e-004	0.0103	0.0000	126.0856	126.0856	6.6000e-003	0.0000	126.2507
Worker	0.0771	0.0480	0.5998	2.1900e-003	0.2711	1.8500e-003	0.2729	0.0720	1.7000e-003	0.0737	0.0000	197.9203	197.9203	4.1100e-003	0.0000	198.0231
Total	0.0880	0.4278	0.7145	3.5100e-003	0.3128	2.2800e-003	0.3150	0.0837	2.1100e-003	0.0858	0.0000	326.9859	326.9859	0.0109	0.0000	327.2589

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1883	1.6836	2.2657	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8198	346.8198	0.0498	0.0000	348.0637
Total	0.3255	1.6836	2.2657	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8198	346.8198	0.0498	0.0000	348.0637

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111
Total	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1883	1.6836	2.2656	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8194	346.8194	0.0498	0.0000	348.0633
Total	0.3255	1.6836	2.2656	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8194	346.8194	0.0498	0.0000	348.0633

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111
Total	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2379	648.2379	0.0915	0.0000	650.5254
Total	0.5876	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2379	648.2379	0.0915	0.0000	650.5254

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295
Total	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2372	648.2372	0.0915	0.0000	650.5246
Total	0.5876	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2372	648.2372	0.0915	0.0000	650.5246

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295
Total	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912
Total	0.5651	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616
Total	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904
Total	0.5651	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616
Total	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912
Total	0.5651	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076
Total	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904
Total	0.5651	2.7333	4.2074	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076
Total	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0959	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2420	200.2420	0.0279	0.0000	200.9391
Total	0.1751	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2420	200.2420	0.0279	0.0000	200.9391

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.7 AC4 - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	9.6000e-003	0.1200	4.4000e-004	0.0542	3.7000e-004	0.0546	0.0144	3.4000e-004	0.0147	0.0000	39.5841	39.5841	8.2000e-004	0.0000	39.6046
Total	0.0154	9.6000e-003	0.1200	4.4000e-004	0.0542	3.7000e-004	0.0546	0.0144	3.4000e-004	0.0147	0.0000	39.5841	39.5841	8.2000e-004	0.0000	39.6046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0959	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2417	200.2417	0.0279	0.0000	200.9389
Total	0.1751	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2417	200.2417	0.0279	0.0000	200.9389

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

3.10 AC3 - 2024

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2802	2.3893	2.6188	0.0132	2.6377	6.6200e-003	2.6443	0.6675	6.2500e-003	0.6738	0.0000	1,263.7070	1,263.7070	0.0939	0.0000	1,266.0554
Unmitigated	0.3039	2.5158	2.8979	0.0147	2.9906	7.4400e-003	2.9980	0.7568	7.0200e-003	0.7638	0.0000	1,412.6608	1,412.6608	0.1042	0.0000	1,415.2653

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Condo/Townhouse High Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Enclosed Parking Structure	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.6646	122.6646	5.2000e-003	1.0400e-003	123.1047
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.6646	122.6646	5.2000e-003	1.0400e-003	123.1047
NaturalGas Mitigated	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8200e-003	6.5300e-003	358.1212
NaturalGas Unmitigated	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8200e-003	6.5300e-003	358.1212

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.66187e+006	0.0251	0.2148	0.0914	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.7750	248.7750	4.7700e-003	4.5600e-003	250.2533
Condo/Townhouse High Rise	2.00943e+006	0.0108	0.0926	0.0394	5.9000e-004		7.4900e-003	7.4900e-003		7.4900e-003	7.4900e-003	0.0000	107.2306	107.2306	2.0600e-003	1.9700e-003	107.8678
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8300e-003	6.5300e-003	358.1211

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.66187e+006	0.0251	0.2148	0.0914	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.7750	248.7750	4.7700e-003	4.5600e-003	250.2533
Condo/Townhouse High Rise	2.00943e+006	0.0108	0.0926	0.0394	5.9000e-004		7.4900e-003	7.4900e-003		7.4900e-003	7.4900e-003	0.0000	107.2306	107.2306	2.0600e-003	1.9700e-003	107.8678
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8300e-003	6.5300e-003	358.1211

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	680400	109.1450	4.6300e-003	9.3000e-004	109.5366
Parking Lot	84280	13.5196	5.7000e-004	1.1000e-004	13.5681
Total		122.6646	5.2000e-003	1.0400e-003	123.1047

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	680400	109.1450	4.6300e-003	9.3000e-004	109.5366
Parking Lot	84280	13.5196	5.7000e-004	1.1000e-004	13.5681
Total		122.6646	5.2000e-003	1.0400e-003	123.1047

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5266	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127
Unmitigated	2.5266	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1806					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1543	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127
Total	2.5266	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1806					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1543	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127
Total	2.5266	0.0592	5.1336	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0500e-003	0.0000	8.6127

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	84.1944	0.6800	0.0166	106.1505
Unmitigated	98.9088	0.8497	0.0207	126.3312

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	18.1389 / 14.2942	69.1170	0.5937	0.0145	88.2797
Condo/Townhouse High Rise	7.81848 / 6.1613	29.7918	0.2559	6.2500e-003	38.0516
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		98.9088	0.8497	0.0207	126.3312

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.5111 / 13.4223	58.8346	0.4751	0.0116	74.1775
Condo/Townhouse High Rise	6.25479 / 5.78547	25.3597	0.2048	5.0100e-003	31.9730
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		84.1944	0.6799	0.0166	106.1505

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	46.5012	2.7481	0.0000	115.2047
Unmitigated	46.5012	2.7481	0.0000	115.2047

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	160.08	32.4948	1.9204	0.0000	80.5045
Condo/Townhouse High Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		46.5012	2.7481	0.0000	115.2047

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	160.08	32.4948	1.9204	0.0000	80.5045
Condo/Townhouse High Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		46.5012	2.7481	0.0000	115.2047

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Metrowalk Project - 2030 - Los Angeles-South Coast County, Annual

Equipment Type	Number
----------------	--------

11.0 Vegetation

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

Metrowalk Project - 2028 - Mitigated
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Base on Data Request

Off-road Equipment - Base on Data Request

Off-road Equipment - Based on data request

Off-road Equipment - Based on Data Request

Off-road Equipment - Based on Data Request

Trips and VMT - Based on Data Request Sheet. All AC trips under AC4. Haul trips for BC for construction waste.

Grading - Site Plan and Data Request Sheet

Architectural Coating - Split by phase. All parking to AC4.

Vehicle Trips - Based on ITE trip rates

Woodstoves - No fireplaces proposed

Area Coating -

Energy Use - 2019 Building Energy Efficiency Standards

Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	102,301.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	25,779.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	201,498.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	73,396.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	306,902.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	77,336.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	604,495.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	220,187.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	1,205.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	370.00	1,301.00
tblConstructionPhase	NumDays	35.00	95.00
tblConstructionPhase	NumDays	35.00	143.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	10.00	47.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00
tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00
tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.7159	47.1703	33.5833	0.0810	5.1939	1.9452	6.8255	2.8357	1.7896	3.4892	0.0000	7,853.4709	7,853.4709	2.4481	0.0000	7,914.6744
2023	18.0113	57.9430	88.0209	0.1995	7.6181	2.3405	9.9586	2.7926	2.2784	4.3143	0.0000	19,621.0588	19,621.0588	1.8357	0.0000	19,666.9509
2024	17.5431	54.8402	86.5543	0.1975	7.6091	2.0605	9.6696	2.0337	2.0036	4.0372	0.0000	19,420.6565	19,420.6565	1.7955	0.0000	19,465.5450
2025	9.2662	51.7280	85.0517	0.1950	7.6093	1.7820	9.3912	2.0337	1.7317	3.7654	0.0000	19,175.8539	19,175.8539	1.7603	0.0000	19,219.8617
2026	9.1614	51.5469	83.9173	0.1929	7.6093	1.7801	9.3893	2.0337	1.7299	3.7636	0.0000	18,963.4298	18,963.4298	1.7469	0.0000	19,007.1031
2027	9.0586	51.3786	82.9055	0.1910	7.7156	1.7772	9.4928	2.0598	1.7272	3.7871	0.0000	18,775.0193	18,775.0193	1.7346	0.0000	18,818.3841
Maximum	18.0113	57.9430	88.0209	0.1995	7.7156	2.3405	9.9586	2.8357	2.2784	4.3143	0.0000	19,621.0588	19,621.0588	2.4481	0.0000	19,666.9509

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.7621	18.2948	48.8916	0.2163	21.6534	0.1535	21.8069	5.7927	0.1426	5.9353		22,124.3305	22,124.3305	0.9791		22,148.8072
Total	18.1994	20.4528	90.7469	0.2292	21.6534	0.5178	22.1712	5.7927	0.5069	6.2996	0.0000	24,348.8027	24,348.8027	1.0916	0.0394	24,387.8415

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.5518	17.2235	44.0746	0.1921	19.0983	0.1372	19.2355	5.1092	0.1274	5.2366		19,659.3147	19,659.3147	0.8814		19,681.3485
Total	17.9890	19.3815	85.9300	0.2051	19.0983	0.5014	19.5997	5.1092	0.4917	5.6008	0.0000	21,883.7870	21,883.7870	0.9939	0.0394	21,920.3828

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.16	5.24	5.31	10.53	11.80	3.16	11.60	11.80	3.00	11.09	0.00	10.12	10.12	8.95	0.00	10.12

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40
Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1252	0.0000	5.1252	2.8172	0.0000	2.8172			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.1252	0.4090	5.5342	2.8172	0.3763	3.1935		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3063	0.0000	2.3063	1.2678	0.0000	1.2678			0.0000			0.0000
Off-Road	0.1238	1.2609	4.3114	8.6400e-003		0.0139	0.0139		0.0139	0.0139	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.1238	1.2609	4.3114	8.6400e-003	2.3063	0.0139	2.3202	1.2678	0.0139	1.2817	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5450	0.0000	4.5450	1.6107	0.0000	1.6107			0.0000			0.0000
Off-Road	4.5816	47.0819	32.5658	0.0779		1.9426	1.9426		1.7872	1.7872		7,543.1001	7,543.1001	2.4396		7,604.0899
Total	4.5816	47.0819	32.5658	0.0779	4.5450	1.9426	6.4875	1.6107	1.7872	3.3979		7,543.1001	7,543.1001	2.4396		7,604.0899

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845
Total	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0452	0.0000	2.0452	0.7248	0.0000	0.7248			0.0000			0.0000
Off-Road	0.9652	4.5447	36.7906	0.0779		0.1274	0.1274		0.1274	0.1274	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899
Total	0.9652	4.5447	36.7906	0.0779	2.0452	0.1274	2.1726	0.7248	0.1274	0.8522	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845
Total	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.0535	0.4090	5.4625	2.7778	0.3763	3.1541		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.1238	1.2609	4.3114	8.6400e-003		0.0139	0.0139		0.0139	0.0139	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.1238	1.2609	4.3114	8.6400e-003	2.2741	0.0139	2.2880	1.2500	0.0139	1.2639	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.7569	7.0294	4.0257	8.6400e-003		0.3201	0.3201		0.2945	0.2945		837.2798	837.2798	0.2708		844.0496
Total	0.7569	7.0294	4.0257	8.6400e-003	5.0535	0.3201	5.3736	2.7778	0.2945	3.0723		837.2798	837.2798	0.2708		844.0496

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681
Total	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.4 Utility Improvements - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.1238	1.2609	4.3114	8.6400e-003		0.0139	0.0139		0.0139	0.0139	0.0000	837.2798	837.2798	0.2708		844.0496
Total	0.1238	1.2609	4.3114	8.6400e-003	2.2741	0.0139	2.2880	1.2500	0.0139	1.2639	0.0000	837.2798	837.2798	0.2708		844.0496

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681
Total	0.0211	0.0133	0.1559	5.0000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		49.8360	49.8360	1.2800e-003		49.8681

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
Total	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1402	0.6077	8.6478	0.0114		0.0187	0.0187		0.0187	0.0187	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1402	0.6077	8.6478	0.0114		0.0187	0.0187		0.0187	0.0187	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
Total	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.9843	6,025.9843	0.8569		6,047.4064
Total	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.9843	6,025.9843	0.8569		6,047.4064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6300e-003	0.1438	0.0515	6.3000e-004	0.0603	2.7000e-004	0.0606	0.0152	2.5000e-004	0.0155		68.4113	68.4113	4.7000e-003		68.5289
Vendor	0.2493	7.8107	2.6450	0.0269	0.7171	9.5300e-003	0.7266	0.2065	9.1100e-003	0.2156		2,875.5027	2,875.5027	0.1642		2,879.6074
Worker	2.1518	1.3586	15.9001	0.0510	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,083.2749	5,083.2749	0.1308		5,086.5453
Total	2.4057	9.3131	18.5966	0.0785	6.4780	0.0532	6.5311	1.7335	0.0493	1.7828		8,027.1889	8,027.1889	0.2997		8,034.6817

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,025.9843	6,025.9843	0.8569		6,047.4064
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,025.9843	6,025.9843	0.8569		6,047.4064

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6300e-003	0.1438	0.0515	6.3000e-004	0.0603	2.7000e-004	0.0606	0.0152	2.5000e-004	0.0155		68.4113	68.4113	4.7000e-003		68.5289
Vendor	0.2493	7.8107	2.6450	0.0269	0.7171	9.5300e-003	0.7266	0.2065	9.1100e-003	0.2156		2,875.5027	2,875.5027	0.1642		2,879.6074
Worker	2.1518	1.3586	15.9001	0.0510	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,083.2749	5,083.2749	0.1308		5,086.5453
Total	2.4057	9.3131	18.5966	0.0785	6.4780	0.0532	6.5311	1.7335	0.0493	1.7828		8,027.1889	8,027.1889	0.2997		8,034.6817

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6400e-003	0.1428	0.0520	6.2000e-004	0.0513	2.6000e-004	0.0516	0.0130	2.5000e-004	0.0133		68.1083	68.1083	4.7000e-003		68.2258
Vendor	0.2431	7.7827	2.5648	0.0267	0.7171	9.3700e-003	0.7265	0.2065	8.9500e-003	0.2154		2,864.350 4	2,864.350 4	0.1617		2,868.393 0
Worker	2.0419	1.2387	14.8024	0.0494	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		4,925.599 3	4,925.599 3	0.1199		4,928.595 9
Total	2.2896	9.1642	17.4192	0.0768	6.4690	0.0524	6.5213	1.7313	0.0485	1.7799		7,858.057 9	7,858.057 9	0.2863		7,865.214 6

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6400e-003	0.1428	0.0520	6.2000e-004	0.0513	2.6000e-004	0.0516	0.0130	2.5000e-004	0.0133		68.1083	68.1083	4.7000e-003		68.2258
Vendor	0.2431	7.7827	2.5648	0.0267	0.7171	9.3700e-003	0.7265	0.2065	8.9500e-003	0.2154		2,864.350 4	2,864.350 4	0.1617		2,868.393 0
Worker	2.0419	1.2387	14.8024	0.0494	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		4,925.599 3	4,925.599 3	0.1199		4,928.595 9
Total	2.2896	9.1642	17.4192	0.0768	6.4690	0.0524	6.5213	1.7313	0.0485	1.7799		7,858.057 9	7,858.057 9	0.2863		7,865.214 6

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6200e-003	0.1408	0.0523	6.2000e-004	0.0514	2.6000e-004	0.0517	0.0131	2.5000e-004	0.0133		67.7345	67.7345	4.6900e-003		67.8519
Vendor	0.2369	7.7168	2.4993	0.0266	0.7171	9.1900e-003	0.7263	0.2065	8.7800e-003	0.2153		2,848.9916	2,848.9916	0.1593		2,852.9734
Worker	1.9450	1.1331	13.7347	0.0475	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		4,734.9259	4,734.9259	0.1093		4,737.6572
Total	2.1865	8.9907	16.2864	0.0747	6.4692	0.0513	6.5204	1.7314	0.0476	1.7789		7,651.6520	7,651.6520	0.2732		7,658.4824

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.6200e-003	0.1408	0.0523	6.2000e-004	0.0514	2.6000e-004	0.0517	0.0131	2.5000e-004	0.0133		67.7345	67.7345	4.6900e-003		67.8519
Vendor	0.2369	7.7168	2.4993	0.0266	0.7171	9.1900e-003	0.7263	0.2065	8.7800e-003	0.2153		2,848.9916	2,848.9916	0.1593		2,852.9734
Worker	1.9450	1.1331	13.7347	0.0475	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		4,734.9259	4,734.9259	0.1093		4,737.6572
Total	2.1865	8.9907	16.2864	0.0747	6.4692	0.0513	6.5204	1.7314	0.0476	1.7789		7,651.6520	7,651.6520	0.2732		7,658.4824

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5800e-003	0.1386	0.0526	6.2000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		67.3774	67.3774	4.6700e-003		67.4943
Vendor	0.2315	7.6451	2.4488	0.0264	0.7171	8.9800e-003	0.7261	0.2065	8.5800e-003	0.2151		2,834.2568	2,834.2568	0.1569		2,838.1783
Worker	1.8622	1.0437	12.8313	0.0458	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,570.4824	4,570.4824	0.1001		4,572.9855
Total	2.0983	8.8275	15.3327	0.0729	6.4692	0.0497	6.5188	1.7314	0.0460	1.7774		7,472.1166	7,472.1166	0.2617		7,478.6582

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5800e-003	0.1386	0.0526	6.2000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		67.3774	67.3774	4.6700e-003		67.4943
Vendor	0.2315	7.6451	2.4488	0.0264	0.7171	8.9800e-003	0.7261	0.2065	8.5800e-003	0.2151		2,834.2568	2,834.2568	0.1569		2,838.1783
Worker	1.8622	1.0437	12.8313	0.0458	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,570.4824	4,570.4824	0.1001		4,572.9855
Total	2.0983	8.8275	15.3327	0.0729	6.4692	0.0497	6.5188	1.7314	0.0460	1.7774		7,472.1166	7,472.1166	0.2617		7,478.6582

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5600e-003	0.1367	0.0528	6.1000e-004	0.1577	2.5000e-004	0.1580	0.0392	2.4000e-004	0.0394		67.0578	67.0578	4.6500e-003		67.1740
Vendor	0.2269	7.5759	2.4082	0.0263	0.7171	8.7800e-003	0.7259	0.2065	8.3900e-003	0.2149		2,821.0039	2,821.0039	0.1545		2,824.8655
Worker	1.7803	0.9628	12.0218	0.0444	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,424.7842	4,424.7842	0.0919		4,427.0806
Total	2.0118	8.6754	14.4828	0.0713	6.5755	0.0472	6.6227	1.7575	0.0438	1.8013		7,312.8458	7,312.8458	0.2510		7,319.1201

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5600e-003	0.1367	0.0528	6.1000e-004	0.1577	2.5000e-004	0.1580	0.0392	2.4000e-004	0.0394		67.0578	67.0578	4.6500e-003		67.1740
Vendor	0.2269	7.5759	2.4082	0.0263	0.7171	8.7800e-003	0.7259	0.2065	8.3900e-003	0.2149		2,821.0039	2,821.0039	0.1545		2,824.8655
Worker	1.7803	0.9628	12.0218	0.0444	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,424.7842	4,424.7842	0.0919		4,427.0806
Total	2.0118	8.6754	14.4828	0.0713	6.5755	0.0472	6.6227	1.7575	0.0438	1.8013		7,312.8458	7,312.8458	0.2510		7,319.1201

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.2410	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538
Total	3.8744	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091
Total	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091
Total	0.4304	0.2717	3.1800	0.0102	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,016.6550	1,016.6550	0.0262		1,017.3091

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1092	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981
Total	3.7426	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192
Total	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192
Total	0.4084	0.2477	2.9605	9.8800e-003	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		985.1199	985.1199	0.0240		985.7192

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314
Total	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314
Total	0.3890	0.2266	2.7470	9.5000e-003	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		946.9852	946.9852	0.0219		947.5314

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971
Total	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971
Total	0.3724	0.2088	2.5663	9.1600e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		914.0965	914.0965	0.0200		914.5971

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161
Total	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.7 AC4 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.1134	4,551.1134	0.6338		4,566.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161
Total	0.3561	0.1926	2.4044	8.8700e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		884.9568	884.9568	0.0184		885.4161

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.8 AC1 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.9 AC2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

3.10 AC3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5518	17.2235	44.0746	0.1921	19.0983	0.1372	19.2355	5.1092	0.1274	5.2366		19,659.3147	19,659.3147	0.8814		19,681.3485
Unmitigated	3.7621	18.2948	48.8916	0.2163	21.6534	0.1535	21.8069	5.7927	0.1426	5.9353		22,124.3305	22,124.3305	0.9791		22,148.8072

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Condo/Townhouse High Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Enclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Parking Lot	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
NaturalGas Unmitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12772.2	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5505.28	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12.7722	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5.50528	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Unmitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714			75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000		75.9604

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Winter

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

Metrowalk Project - 2028 - Mitigated
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Base on Data Request

Off-road Equipment - Base on Data Request

Off-road Equipment - Based on data request

Off-road Equipment - Based on Data Request

Off-road Equipment - Based on Data Request

Trips and VMT - Based on Data Request Sheet. All AC trips under AC4. Haul trips for BC for construction waste.

Grading - Site Plan and Data Request Sheet

Architectural Coating - Split by phase. All parking to AC4.

Vehicle Trips - Based on ITE trip rates

Woodstoves - No fireplaces proposed

Area Coating -

Energy Use - 2019 Building Energy Efficiency Standards

Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	102,301.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	25,779.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	201,498.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	73,396.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	306,902.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	77,336.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	604,495.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	220,187.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	1,205.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	370.00	1,301.00
tblConstructionPhase	NumDays	35.00	95.00
tblConstructionPhase	NumDays	35.00	143.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	10.00	47.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00
tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00
tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.7020	47.1617	33.6806	0.0812	5.1939	1.9452	6.8255	2.8357	1.7896	3.4892	0.0000	7,872.7138	7,872.7138	2.4487	0.0000	7,933.9310
2023	17.7245	57.8209	89.6662	0.2041	7.6181	2.3400	9.9581	2.7926	2.2779	4.3138	0.0000	20,080.5088	20,080.5088	1.8369	0.0000	20,126.4316
2024	17.2639	54.7304	88.1038	0.2019	7.6091	2.0601	9.6692	2.0337	2.0032	4.0368	0.0000	19,867.7020	19,867.7020	1.7964	0.0000	19,912.6113
2025	8.9935	51.6302	86.4968	0.1993	7.6093	1.7816	9.3909	2.0337	1.7313	3.7650	0.0000	19,607.6031	19,607.6031	1.7607	0.0000	19,651.6205
2026	8.8937	51.4593	85.2742	0.1970	7.6093	1.7797	9.3890	2.0337	1.7296	3.7633	0.0000	19,382.0142	19,382.0142	1.7470	0.0000	19,425.6876
2027	8.7968	51.3006	84.1830	0.1950	7.7156	1.7769	9.4925	2.0598	1.7269	3.7868	0.0000	19,182.1659	19,182.1659	1.7343	0.0000	19,225.5225
Maximum	17.7245	57.8209	89.6662	0.2041	7.7156	2.3400	9.9581	2.8357	2.2779	4.3138	0.0000	20,080.5088	20,080.5088	2.4487	0.0000	20,126.4316

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.8827	17.9630	51.6342	0.2269	21.6534	0.1531	21.8065	5.7927	0.1421	5.9349		23,200.1170	23,200.1170	0.9784		23,224.5779
Total	18.3200	20.1210	93.4896	0.2398	21.6534	0.5173	22.1707	5.7927	0.5064	6.2992	0.0000	25,424.5893	25,424.5893	1.0910	0.0394	25,463.6122

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Energy	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
Mobile	3.6687	16.9526	46.3397	0.2017	19.0983	0.1367	19.2350	5.1092	0.1269	5.2361		20,624.1737	20,624.1737	0.8788		20,646.1430
Total	18.1060	19.1106	88.1950	0.2146	19.0983	0.5010	19.5993	5.1092	0.4912	5.6004	0.0000	22,848.6460	22,848.6460	0.9913	0.0394	22,885.1773

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.17	5.02	5.66	10.53	11.80	3.17	11.60	11.80	3.01	11.09	0.00	10.13	10.13	9.13	0.00	10.13

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40
Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1252	0.0000	5.1252	2.8172	0.0000	2.8172			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.1252	0.4090	5.5342	2.8172	0.3763	3.1935		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3063	0.0000	2.3063	1.2678	0.0000	1.2678			0.0000			0.0000
Off-Road	0.1238	1.2609	4.3114	8.6400e-003		0.0139	0.0139		0.0139	0.0139	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.1238	1.2609	4.3114	8.6400e-003	2.3063	0.0139	2.3202	1.2678	0.0139	1.2817	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5450	0.0000	4.5450	1.6107	0.0000	1.6107			0.0000			0.0000
Off-Road	4.5816	47.0819	32.5658	0.0779		1.9426	1.9426		1.7872	1.7872		7,543.1001	7,543.1001	2.4396		7,604.0899
Total	4.5816	47.0819	32.5658	0.0779	4.5450	1.9426	6.4875	1.6107	1.7872	3.3979		7,543.1001	7,543.1001	2.4396		7,604.0899

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411
Total	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0452	0.0000	2.0452	0.7248	0.0000	0.7248			0.0000			0.0000
Off-Road	0.9652	4.5447	36.7906	0.0779		0.1274	0.1274		0.1274	0.1274	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899
Total	0.9652	4.5447	36.7906	0.0779	2.0452	0.1274	2.1726	0.7248	0.1274	0.8522	0.0000	7,543.1001	7,543.1001	2.4396		7,604.0899

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411
Total	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.9023	8.4354	4.4534	8.6400e-003		0.4090	0.4090		0.3763	0.3763		837.5248	837.5248	0.2709		844.2966
Total	0.9023	8.4354	4.4534	8.6400e-003	5.0535	0.4090	5.4625	2.7778	0.3763	3.1541		837.5248	837.5248	0.2709		844.2966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.1238	1.2609	4.3114	8.6400e-003		0.0139	0.0139		0.0139	0.0139	0.0000	837.5248	837.5248	0.2709		844.2966
Total	0.1238	1.2609	4.3114	8.6400e-003	2.2741	0.0139	2.2880	1.2500	0.0139	1.2639	0.0000	837.5248	837.5248	0.2709		844.2966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0535	0.0000	5.0535	2.7778	0.0000	2.7778			0.0000			0.0000
Off-Road	0.7569	7.0294	4.0257	8.6400e-003		0.3201	0.3201		0.2945	0.2945		837.2798	837.2798	0.2708		844.0496
Total	0.7569	7.0294	4.0257	8.6400e-003	5.0535	0.3201	5.3736	2.7778	0.2945	3.0723		837.2798	837.2798	0.2708		844.0496

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583
Total	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.4 Utility Improvements - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2741	0.0000	2.2741	1.2500	0.0000	1.2500			0.0000			0.0000
Off-Road	0.1238	1.2609	4.3114	8.6400e-003		0.0139	0.0139		0.0139	0.0139	0.0000	837.2798	837.2798	0.2708		844.0496
Total	0.1238	1.2609	4.3114	8.6400e-003	2.2741	0.0139	2.2880	1.2500	0.0139	1.2639	0.0000	837.2798	837.2798	0.2708		844.0496

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583
Total	0.0189	0.0120	0.1711	5.3000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		52.9241	52.9241	1.3700e-003		52.9583

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
Total	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1402	0.6077	8.6478	0.0114		0.0187	0.0187		0.0187	0.0187	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1402	0.6077	8.6478	0.0114		0.0187	0.0187		0.0187	0.0187	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
Total	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.984 3	6,025.984 3	0.8569		6,047.406 4
Total	3.4863	28.3153	39.2723	0.0632		1.3888	1.3888		1.3489	1.3489		6,025.984 3	6,025.984 3	0.8569		6,047.406 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5200e-003	0.1428	0.0494	6.4000e-004	0.0603	2.6000e-004	0.0606	0.0152	2.5000e-004	0.0155		69.6209	69.6209	4.5700e-003		69.7353
Vendor	0.2370	7.8464	2.4291	0.0276	0.7171	9.0600e-003	0.7261	0.2065	8.6600e-003	0.2151		2,955.763 2	2,955.763 2	0.1552		2,959.643 1
Worker	1.9230	1.2280	17.4529	0.0542	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,398.258 2	5,398.258 2	0.1394		5,401.744 2
Total	2.1646	9.2172	19.9314	0.0824	6.4780	0.0527	6.5306	1.7335	0.0488	1.7824		8,423.642 3	8,423.642 3	0.2992		8,431.122 6

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,025.984 3	6,025.984 3	0.8569		6,047.406 4
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,025.984 3	6,025.984 3	0.8569		6,047.406 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5200e-003	0.1428	0.0494	6.4000e-004	0.0603	2.6000e-004	0.0606	0.0152	2.5000e-004	0.0155		69.6209	69.6209	4.5700e-003		69.7353
Vendor	0.2370	7.8464	2.4291	0.0276	0.7171	9.0600e-003	0.7261	0.2065	8.6600e-003	0.2151		2,955.763 2	2,955.763 2	0.1552		2,959.643 1
Worker	1.9230	1.2280	17.4529	0.0542	5.7006	0.0434	5.7440	1.5118	0.0399	1.5518		5,398.258 2	5,398.258 2	0.1394		5,401.744 2
Total	2.1646	9.2172	19.9314	0.0824	6.4780	0.0527	6.5306	1.7335	0.0488	1.7824		8,423.642 3	8,423.642 3	0.2992		8,431.122 6

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	3.2880	26.6689	39.2334	0.0632		1.2240	1.2240		1.1875	1.1875		6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1418	0.0499	6.4000e-004	0.0513	2.6000e-004	0.0515	0.0130	2.5000e-004	0.0133		69.3043	69.3043	4.5700e-003		69.4186
Vendor	0.2313	7.8164	2.3551	0.0275	0.7171	8.9500e-003	0.7260	0.2065	8.5500e-003	0.2150		2,943.768 0	2,943.768 0	0.1530		2,947.592 7
Worker	1.8191	1.1199	16.2701	0.0525	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		5,230.959 2	5,230.959 2	0.1279		5,234.157 4
Total	2.0550	9.0781	18.6751	0.0806	6.4690	0.0519	6.5209	1.7313	0.0481	1.7795		8,244.031 4	8,244.031 4	0.2855		8,251.168 6

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.141 2	6,026.141 2	0.8429		6,047.213 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1418	0.0499	6.4000e-004	0.0513	2.6000e-004	0.0515	0.0130	2.5000e-004	0.0133		69.3043	69.3043	4.5700e-003		69.4186
Vendor	0.2313	7.8164	2.3551	0.0275	0.7171	8.9500e-003	0.7260	0.2065	8.5500e-003	0.2150		2,943.768 0	2,943.768 0	0.1530		2,947.592 7
Worker	1.8191	1.1199	16.2701	0.0525	5.7006	0.0427	5.7433	1.5118	0.0393	1.5512		5,230.959 2	5,230.959 2	0.1279		5,234.157 4
Total	2.0550	9.0781	18.6751	0.0806	6.4690	0.0519	6.5209	1.7313	0.0481	1.7795		8,244.031 4	8,244.031 4	0.2855		8,251.168 6

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5100e-003	0.1398	0.0503	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.9167	68.9167	4.5700e-003		69.0310
Vendor	0.2255	7.7501	2.2946	0.0273	0.7171	8.8100e-003	0.7259	0.2065	8.4200e-003	0.2149		2,927.5476	2,927.5476	0.1508		2,931.3186
Worker	1.7273	1.0247	15.1113	0.0504	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		5,028.2684	5,028.2684	0.1167		5,031.1858
Total	1.9574	8.9145	17.4561	0.0784	6.4692	0.0509	6.5201	1.7314	0.0472	1.7785		8,024.7327	8,024.7327	0.2721		8,031.5354

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5100e-003	0.1398	0.0503	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.9167	68.9167	4.5700e-003		69.0310
Vendor	0.2255	7.7501	2.2946	0.0273	0.7171	8.8100e-003	0.7259	0.2065	8.4200e-003	0.2149		2,927.5476	2,927.5476	0.1508		2,931.3186
Worker	1.7273	1.0247	15.1113	0.0504	5.7006	0.0418	5.7424	1.5118	0.0385	1.5503		5,028.2684	5,028.2684	0.1167		5,031.1858
Total	1.9574	8.9145	17.4561	0.0784	6.4692	0.0509	6.5201	1.7314	0.0472	1.7785		8,024.7327	8,024.7327	0.2721		8,031.5354

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4800e-003	0.1376	0.0506	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.5462	68.5462	4.5600e-003		68.6601
Vendor	0.2204	7.6781	2.2483	0.0271	0.7171	8.6400e-003	0.7258	0.2065	8.2600e-003	0.2147		2,911.9719	2,911.9719	0.1487		2,915.6894
Worker	1.6484	0.9440	14.1308	0.0487	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,853.5661	4,853.5661	0.1070		4,856.2418
Total	1.8733	8.7598	16.4297	0.0764	6.4692	0.0493	6.5185	1.7314	0.0457	1.7771		7,834.0843	7,834.0843	0.2603		7,840.5914

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4800e-003	0.1376	0.0506	6.3000e-004	0.0514	2.5000e-004	0.0517	0.0131	2.4000e-004	0.0133		68.5462	68.5462	4.5600e-003		68.6601
Vendor	0.2204	7.6781	2.2483	0.0271	0.7171	8.6400e-003	0.7258	0.2065	8.2600e-003	0.2147		2,911.9719	2,911.9719	0.1487		2,915.6894
Worker	1.6484	0.9440	14.1308	0.0487	5.7006	0.0404	5.7410	1.5118	0.0372	1.5490		4,853.5661	4,853.5661	0.1070		4,856.2418
Total	1.8733	8.7598	16.4297	0.0764	6.4692	0.0493	6.5185	1.7314	0.0457	1.7771		7,834.0843	7,834.0843	0.2603		7,840.5914

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897
Total	3.0799	25.0456	39.1337	0.0632		1.0571	1.0571		1.0250	1.0250		6,026.1033	6,026.1033	0.8315		6,046.8897

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4500e-003	0.1357	0.0508	6.2000e-004	0.1577	2.4000e-004	0.1580	0.0392	2.3000e-004	0.0394		68.2157	68.2157	4.5400e-003		68.3291
Vendor	0.2162	7.6091	2.2110	0.0270	0.7171	8.4900e-003	0.7256	0.2065	8.1100e-003	0.2146		2,898.0351	2,898.0351	0.1466		2,901.6993
Worker	1.5712	0.8710	13.2523	0.0471	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,698.9154	4,698.9154	0.0983		4,701.3718
Total	1.7918	8.6157	15.5142	0.0747	6.5755	0.0469	6.6224	1.7575	0.0435	1.8010		7,665.1662	7,665.1662	0.2494		7,671.4003

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897
Total	0.7774	7.1536	41.6340	0.0632		0.0900	0.0900		0.0900	0.0900	0.0000	6,026.1033	6,026.1033	0.8315		6,046.8897

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4500e-003	0.1357	0.0508	6.2000e-004	0.1577	2.4000e-004	0.1580	0.0392	2.3000e-004	0.0394		68.2157	68.2157	4.5400e-003		68.3291
Vendor	0.2162	7.6091	2.2110	0.0270	0.7171	8.4900e-003	0.7256	0.2065	8.1100e-003	0.2146		2,898.0351	2,898.0351	0.1466		2,901.6993
Worker	1.5712	0.8710	13.2523	0.0471	5.7006	0.0382	5.7388	1.5118	0.0352	1.5470		4,698.9154	4,698.9154	0.0983		4,701.3718
Total	1.7918	8.6157	15.5142	0.0747	6.5755	0.0469	6.6224	1.7575	0.0435	1.8010		7,665.1662	7,665.1662	0.2494		7,671.4003

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.2410	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538
Total	3.8744	20.0428	26.9720	0.0477		0.8899	0.8899		0.8722	0.8722		4,551.2306	4,551.2306	0.6529		4,567.5538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489
Total	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.2306	4,551.2306	0.6529		4,567.5538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489
Total	0.3846	0.2456	3.4906	0.0108	1.1401	8.6700e-003	1.1488	0.3024	7.9800e-003	0.3104		1,079.6516	1,079.6516	0.0279		1,080.3489

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1092	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981
Total	3.7426	18.7594	26.9413	0.0477		0.7756	0.7756		0.7597	0.7597		4,551.3375	4,551.3375	0.6424		4,567.3981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315
Total	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.3375	4,551.3375	0.6424		4,567.3981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315
Total	0.3638	0.2240	3.2540	0.0105	1.1401	8.5500e-003	1.1487	0.3024	7.8700e-003	0.3102		1,046.1918	1,046.1918	0.0256		1,046.8315

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.6537	1,005.6537	0.0233		1,006.2372
Total	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.6537	1,005.6537	0.0233		1,006.2372

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.113 4	4,551.113 4	0.6338		4,566.958 2
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.113 4	4,551.113 4	0.6338		4,566.958 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.653 7	1,005.653 7	0.0233		1,006.237 2
Total	0.3455	0.2049	3.0223	0.0101	1.1401	8.3700e-003	1.1485	0.3024	7.7000e-003	0.3101		1,005.653 7	1,005.653 7	0.0233		1,006.237 2

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484
Total	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.113 4	4,551.113 4	0.6338		4,566.958 2
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.113 4	4,551.113 4	0.6338		4,566.958 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484
Total	0.3297	0.1888	2.8262	9.7300e-003	1.1401	8.0900e-003	1.1482	0.3024	7.4400e-003	0.3098		970.7132	970.7132	0.0214		971.2484

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9774	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582
Total	3.6108	17.4651	26.8847	0.0477		0.6652	0.6652		0.6514	0.6514		4,551.1134	4,551.1134	0.6338		4,566.9582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744
Total	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.7 AC4 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5904	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.113 4	4,551.113 4	0.6338		4,566.958 2
Total	2.2238	5.3833	30.2491	0.0477		0.0685	0.0685		0.0685	0.0685	0.0000	4,551.113 4	4,551.113 4	0.6338		4,566.958 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744
Total	0.3142	0.1742	2.6505	9.4200e-003	1.1401	7.6400e-003	1.1478	0.3024	7.0300e-003	0.3094		939.7831	939.7831	0.0197		940.2744

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.8 AC1 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.9679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	3.9679	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.9 AC2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2.8468	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

3.10 AC3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.9999	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6687	16.9526	46.3397	0.2017	19.0983	0.1367	19.2350	5.1092	0.1269	5.2361		20,624.17 37	20,624.17 37	0.8788		20,646.14 30
Unmitigated	3.8827	17.9630	51.6342	0.2269	21.6534	0.1531	21.8065	5.7927	0.1421	5.9349		23,200.11 70	23,200.11 70	0.9784		23,224.57 79

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Condo/Townhouse High Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Enclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Parking Lot	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739
NaturalGas Unmitigated	0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12772.2	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5505.28	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	12.7722	0.1377	1.1771	0.5009	7.5100e-003		0.0952	0.0952		0.0952	0.0952		1,502.6163	1,502.6163	0.0288	0.0276	1,511.5456
Condo/Townhouse High Rise	5.50528	0.0594	0.5074	0.2159	3.2400e-003		0.0410	0.0410		0.0410	0.0410		647.6795	647.6795	0.0124	0.0119	651.5283
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1971	1.6844	0.7168	0.0108		0.1362	0.1362		0.1362	0.1362		2,150.2958	2,150.2958	0.0412	0.0394	2,163.0739

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604
Unmitigated	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.9483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2409	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281		74.1765	74.1765	0.0714		75.9604
Total	14.2401	0.4736	41.1386	2.1800e-003		0.2281	0.2281		0.2281	0.2281	0.0000	74.1765	74.1765	0.0714	0.0000	75.9604

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Summer

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Metrowalk Project - 2028 - Mitigated
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	300.00	Space	0.00	120,000.00	0
Parking Lot	602.00	Space	0.00	240,800.00	0
Apartments Mid Rise	348.00	Dwelling Unit	20.40	340,456.00	1034
Condo/Townhouse High Rise	150.00	Dwelling Unit	0.00	256,541.00	445

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	353.65	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Project Characteristics - Adjusted for 2030 RPS requirements

Land Use - Based on unit summary

Construction Phase - Based on construction schedule

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - All AC equipment under AC4

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Base on Data Request

Off-road Equipment - Base on Data Request

Off-road Equipment - Based on data request

Off-road Equipment - Based on Data Request

Off-road Equipment - Based on Data Request

Trips and VMT - Based on Data Request Sheet. All AC trips under AC4. Haul trips for BC for construction waste.

Grading - Site Plan and Data Request Sheet

Architectural Coating - Split by phase. All parking to AC4.

Vehicle Trips - Based on ITE trip rates

Woodstoves - No fireplaces proposed

Area Coating -

Energy Use - 2019 Building Energy Efficiency Standards

Water And Wastewater - 2016 CALGreen indoor water reduction rules (20 percent reduction)

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Parking	21,648.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	102,301.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	25,779.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	201,498.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	402,973.00	73,396.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	306,902.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	77,336.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	604,495.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,208,919.00	220,187.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	1,205.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	370.00	1,301.00
tblConstructionPhase	NumDays	35.00	95.00
tblConstructionPhase	NumDays	35.00	143.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	10.00	47.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24E	252.63	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	295.80	0.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	34.80	0.00
tblFireplaces	NumberNoFireplace	15.00	0.00
tblFireplaces	NumberWood	17.40	0.00
tblFireplaces	NumberWood	7.50	0.00
tblLandUse	LandUseSquareFeet	348,000.00	340,456.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

tblLandUse	LandUseSquareFeet	150,000.00	256,541.00
tblLandUse	LotAcreage	2.70	0.00
tblLandUse	LotAcreage	5.42	0.00
tblLandUse	LotAcreage	9.16	20.40
tblLandUse	LotAcreage	2.34	0.00
tblLandUse	Population	995.00	1,034.00
tblLandUse	Population	429.00	445.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	310.00
tblOffRoadEquipment	HorsePower	247.00	410.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	247.00	200.00
tblOffRoadEquipment	HorsePower	367.00	600.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	97.00	50.00
tblOffRoadEquipment	HorsePower	8.00	450.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.65
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	HaulingTripNumber	0.00	1,130.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	HW_TTP	40.20	40.00

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

tblVehicleTrips	WD_TR	6.65	5.06
tblVehicleTrips	WD_TR	4.18	5.06
tblWater	IndoorWaterUseRate	22,673,600.92	18,138,880.74
tblWater	IndoorWaterUseRate	9,773,103.84	7,818,483.07
tblWoodstoves	NumberCatalytic	17.40	0.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	17.40	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2978	2.9254	1.9702	4.6000e-003	0.6447	0.1254	0.7701	0.3065	0.1153	0.4218	0.0000	404.7904	404.7904	0.1255	0.0000	407.9268
2023	1.4746	6.8412	10.3484	0.0240	1.0073	0.2726	1.2799	0.2904	0.2647	0.5551	0.0000	2,145.0183	2,145.0183	0.1963	0.0000	2,149.9256
2024	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7092	2,786.7092	0.2554	0.0000	2,793.0939
2025	1.4111	8.1204	13.3681	0.0307	1.1678	0.2788	1.4467	0.3126	0.2710	0.5836	0.0000	2,742.4572	2,742.4572	0.2496	0.0000	2,748.6964
2026	1.3958	8.0912	13.1865	0.0304	1.1678	0.2786	1.4464	0.3126	0.2707	0.5833	0.0000	2,711.7593	2,711.7593	0.2477	0.0000	2,717.9509
2027	0.4279	2.4991	4.0364	9.3300e-003	0.3670	0.0862	0.4531	0.0981	0.0838	0.1819	0.0000	831.9512	831.9512	0.0762	0.0000	833.8564
Maximum	2.0682	8.6358	13.6514	0.0312	1.1715	0.3235	1.4950	0.3136	0.3145	0.6281	0.0000	2,786.7092	2,786.7092	0.2554	0.0000	2,793.0939

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0633	0.3273	2.1595	4.6000e-003	0.3013	7.3400e-003	0.3086	0.1409	7.3200e-003	0.1482	0.0000	404.7900	404.7900	0.1255	0.0000	407.9263
2023	0.9660	2.6946	10.9510	0.0240	0.9670	0.0257	0.9927	0.2683	0.0252	0.2934	0.0000	2,145.0170	2,145.0170	0.1963	0.0000	2,149.9243
2024	1.4356	3.4719	14.5477	0.0312	1.1715	0.0344	1.2060	0.3136	0.0337	0.3473	0.0000	2,786.7074	2,786.7074	0.2554	0.0000	2,793.0921
2025	0.8337	3.4295	14.2859	0.0307	1.1678	0.0341	1.2020	0.3126	0.0334	0.3461	0.0000	2,742.4555	2,742.4555	0.2496	0.0000	2,748.6947
2026	0.8184	3.4003	14.1044	0.0304	1.1678	0.0338	1.2017	0.3126	0.0332	0.3458	0.0000	2,711.7575	2,711.7575	0.2477	0.0000	2,717.9492
2027	0.2490	1.0454	4.3208	9.3300e-003	0.3670	0.0103	0.3773	0.0981	0.0102	0.1083	0.0000	831.9507	831.9507	0.0762	0.0000	833.8559
Maximum	1.4356	3.4719	14.5477	0.0312	1.1715	0.0344	1.2060	0.3136	0.0337	0.3473	0.0000	2,786.7074	2,786.7074	0.2554	0.0000	2,793.0921

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	38.29	61.28	-6.73	0.00	6.94	89.32	23.26	11.49	89.17	46.20	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-7-2022	6-6-2022	1.0215	0.1254
2	6-7-2022	9-6-2022	1.7091	0.1908
3	9-7-2022	12-6-2022	0.3656	0.0554
4	12-7-2022	3-6-2023	0.4098	0.1098
5	3-7-2023	6-6-2023	1.7063	0.7651

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

6	6-7-2023	9-6-2023	2.5851	1.0847
7	9-7-2023	12-6-2023	2.8813	1.3142
8	12-7-2023	3-6-2024	2.8612	1.3864
9	3-7-2024	6-6-2024	2.8088	1.3531
10	6-7-2024	9-6-2024	2.6139	1.1581
11	9-7-2024	12-6-2024	2.5142	1.0743
12	12-7-2024	3-6-2025	2.3909	1.0576
13	3-7-2025	6-6-2025	2.3943	1.0670
14	6-7-2025	9-6-2025	2.3903	1.0630
15	9-7-2025	12-6-2025	2.3750	1.0621
16	12-7-2025	3-6-2026	2.3447	1.0462
17	3-7-2026	6-6-2026	2.3834	1.0561
18	6-7-2026	9-6-2026	2.3796	1.0523
19	9-7-2026	12-6-2026	2.3640	1.0511
20	12-7-2026	3-6-2027	2.3341	1.0356
21	3-7-2027	6-6-2027	1.2399	0.5474
		Highest	2.8813	1.3864

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Energy	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	478.6702	478.6702	0.0120	7.5700e-003	481.2259
Mobile	0.5776	2.9218	7.7936	0.0344	3.3362	0.0241	3.3603	0.8940	0.0223	0.9163	0.0000	3,196.6456	3,196.6456	0.1388	0.0000	3,200.1166
Waste						0.0000	0.0000		0.0000	0.0000	46.5012	0.0000	46.5012	2.7481	0.0000	115.2047
Water						0.0000	0.0000		0.0000	0.0000	8.2351	90.6737	98.9088	0.8497	0.0207	126.3312
Total	3.1411	3.2884	13.0668	0.0367	3.3362	0.0774	3.4136	0.8940	0.0757	0.9697	54.7362	3,774.4009	3,829.1372	3.7568	0.0283	3,931.4922

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Energy	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	478.6702	478.6702	0.0120	7.5700e-003	481.2259
Mobile	0.5444	2.7500	7.0173	0.0306	2.9426	0.0215	2.9640	0.7885	0.0200	0.8084	0.0000	2,841.4987	2,841.4987	0.1249	0.0000	2,844.6201
Waste						0.0000	0.0000		0.0000	0.0000	46.5012	0.0000	46.5012	2.7481	0.0000	115.2047
Water						0.0000	0.0000		0.0000	0.0000	6.5881	77.6063	84.1944	0.6800	0.0166	106.1505
Total	3.1078	3.1166	12.2904	0.0328	2.9426	0.0748	3.0174	0.7885	0.0733	0.8618	53.0892	3,406.1866	3,459.2758	3.5731	0.0242	3,555.8149

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.06	5.23	5.94	10.44	11.80	3.32	11.61	11.80	3.16	11.12	3.01	9.76	9.66	4.89	14.48	9.56

3.0 Construction Detail

Construction Phase

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/7/2022	4/29/2022	6	47	
2	Grading	Grading	5/2/2022	8/19/2022	6	95	
3	Utility Improvements	Grading	8/22/2022	2/3/2023	6	143	
4	Paving	Paving	2/6/2023	2/24/2023	6	17	
5	Building Construction	Building Construction	2/27/2023	4/23/2027	6	1301	
6	AC4	Architectural Coating	6/19/2023	4/23/2027	6	1205	
7	AC1	Architectural Coating	8/14/2023	5/17/2024	6	239	
8	AC2	Architectural Coating	10/9/2023	7/12/2024	6	239	
9	AC3	Architectural Coating	12/4/2023	9/6/2024	6	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 0

Residential Indoor: 604,495; Residential Outdoor: 201,498; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 21,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	200	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Grading	Graders	1	4.00	165	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	4.00	450	0.43
Grading	Rubber Tired Dozers	1	4.00	200	0.40
Grading	Rubber Tired Dozers	1	4.00	310	0.40

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Grading	Rubber Tired Dozers	1	4.00	410	0.40
Grading	Rubber Tired Loaders	1	4.00	130	0.36
Grading	Scrapers	4	4.00	600	0.48
Grading	Tractors/Loaders/Backhoes	1	4.00	50	0.37
Utility Improvements	Rubber Tired Dozers	1	8.00	200	0.40
Utility Improvements	Tractors/Loaders/Backhoes	1	8.00	50	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Excavators	2	4.00	158	0.38
Building Construction	Generator Sets	4	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
Building Construction	Rubber Tired Loaders	1	4.00	130	0.36
Building Construction	Skid Steer Loaders	4	4.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	3	7.00	50	0.37
Building Construction	Trenchers	1	4.00	78	0.50
AC4	Air Compressors	4	6.00	78	0.48
AC4	Generator Sets	4	6.00	84	0.74
AC4	Rough Terrain Forklifts	2	6.00	100	0.40
AC4	Rubber Tired Loaders	1	6.00	203	0.36
AC4	Skid Steer Loaders	4	6.00	65	0.37
AC1	Air Compressors	1	0.00	78	0.48
AC2	Air Compressors	1	0.00	78	0.48
AC3	Air Compressors	1	0.00	78	0.48

Trips and VMT

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Improvements	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	21	510.00	112.00	1,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC4	15	102.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC1	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC2	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
AC3	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1204	0.0000	0.1204	0.0662	0.0000	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1982	0.1047	2.0000e-004		9.6100e-003	9.6100e-003		8.8400e-003	8.8400e-003	0.0000	17.8551	17.8551	5.7700e-003	0.0000	17.9994
Total	0.0212	0.1982	0.1047	2.0000e-004	0.1204	9.6100e-003	0.1301	0.0662	8.8400e-003	0.0750	0.0000	17.8551	17.8551	5.7700e-003	0.0000	17.9994

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.4100e-003	1.1900e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1484	1.1484	7.0000e-005	0.0000	1.1501
Worker	4.7000e-004	3.6000e-004	4.0900e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1211	1.1211	3.0000e-005	0.0000	1.1219
Total	6.1000e-004	4.7700e-003	5.2800e-003	2.0000e-005	1.5900e-003	2.0000e-005	1.6000e-003	4.3000e-004	2.0000e-005	4.4000e-004	0.0000	2.2695	2.2695	1.0000e-004	0.0000	2.2720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9100e-003	0.0296	0.1013	2.0000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	17.8550	17.8550	5.7700e-003	0.0000	17.9994
Total	2.9100e-003	0.0296	0.1013	2.0000e-004	0.0542	3.3000e-004	0.0545	0.0298	3.3000e-004	0.0301	0.0000	17.8550	17.8550	5.7700e-003	0.0000	17.9994

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.4100e-003	1.1900e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1484	1.1484	7.0000e-005	0.0000	1.1501
Worker	4.7000e-004	3.6000e-004	4.0900e-003	1.0000e-005	1.2900e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1211	1.1211	3.0000e-005	0.0000	1.1219
Total	6.1000e-004	4.7700e-003	5.2800e-003	2.0000e-005	1.5900e-003	2.0000e-005	1.6000e-003	4.3000e-004	2.0000e-005	4.4000e-004	0.0000	2.2695	2.2695	1.0000e-004	0.0000	2.2720

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2159	0.0000	0.2159	0.0765	0.0000	0.0765	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2176	2.2364	1.5469	3.7000e-003		0.0923	0.0923		0.0849	0.0849	0.0000	325.0418	325.0418	0.1051	0.0000	327.6699
Total	0.2176	2.2364	1.5469	3.7000e-003	0.2159	0.0923	0.3082	0.0765	0.0849	0.1614	0.0000	325.0418	325.0418	0.1051	0.0000	327.6699

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061
Total	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0972	0.0000	0.0972	0.0344	0.0000	0.0344	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0459	0.2159	1.7476	3.7000e-003		6.0500e-003	6.0500e-003		6.0500e-003	6.0500e-003	0.0000	325.0414	325.0414	0.1051	0.0000	327.6695
Total	0.0459	0.2159	1.7476	3.7000e-003	0.0972	6.0500e-003	0.1032	0.0344	6.0500e-003	0.0405	0.0000	325.0414	325.0414	0.1051	0.0000	327.6695

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061
Total	5.7500e-003	4.3100e-003	0.0497	1.5000e-004	0.0156	1.2000e-004	0.0157	4.1500e-003	1.1000e-004	4.2600e-003	0.0000	13.5967	13.5967	3.7000e-004	0.0000	13.6061

3.4 Utility Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2881	0.0000	0.2881	0.1583	0.0000	0.1583	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0514	0.4808	0.2538	4.9000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	43.3080	43.3080	0.0140	0.0000	43.6582
Total	0.0514	0.4808	0.2538	4.9000e-004	0.2881	0.0233	0.3114	0.1583	0.0215	0.1798	0.0000	43.3080	43.3080	0.0140	0.0000	43.6582

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212
Total	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1296	0.0000	0.1296	0.0713	0.0000	0.0713	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0600e-003	0.0719	0.2458	4.9000e-004		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	43.3080	43.3080	0.0140	0.0000	43.6581
Total	7.0600e-003	0.0719	0.2458	4.9000e-004	0.1296	7.9000e-004	0.1304	0.0713	7.9000e-004	0.0720	0.0000	43.3080	43.3080	0.0140	0.0000	43.6581

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212
Total	1.1500e-003	8.6000e-004	9.9300e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7193	2.7193	7.0000e-005	0.0000	2.7212

3.4 Utility Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0733	0.0000	0.0733	0.0403	0.0000	0.0403	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1019	0.0584	1.3000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028
Total	0.0110	0.1019	0.0584	1.3000e-004	0.0733	4.6400e-003	0.0779	0.0403	4.2700e-003	0.0446	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669
Total	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0330	0.0000	0.0330	0.0181	0.0000	0.0181	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8000e-003	0.0183	0.0625	1.3000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028
Total	1.8000e-003	0.0183	0.0625	1.3000e-004	0.0330	2.0000e-004	0.0332	0.0181	2.0000e-004	0.0183	0.0000	11.0137	11.0137	3.5600e-003	0.0000	11.1028

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.4 Utility Improvements - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669
Total	2.8000e-004	2.0000e-004	2.3200e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6665	0.6665	2.0000e-005	0.0000	0.6669

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3900e-003	0.0433	0.0620	1.0000e-004		2.1700e-003	2.1700e-003		1.9900e-003	1.9900e-003	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1900e-003	5.1700e-003	0.0735	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.1900e-003	5.1700e-003	0.0735	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.5114	8.5114	2.7500e-003	0.0000	8.5802

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	2.6000e-004	1.9000e-004	2.1800e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6019	721.6019	0.1026	0.0000	724.1672
Total	0.4602	3.7376	5.1839	8.3400e-003		0.1833	0.1833		0.1781	0.1781	0.0000	721.6019	721.6019	0.1026	0.0000	724.1672

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-004	0.0193	6.6400e-003	8.0000e-005	7.7900e-003	3.0000e-005	7.8200e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	8.2762	8.2762	5.5000e-004	0.0000	8.2900
Vendor	0.0320	1.0473	0.3358	3.6000e-003	0.0931	1.2200e-003	0.0944	0.0269	1.1700e-003	0.0281	0.0000	349.9113	349.9113	0.0191	0.0000	350.3880
Worker	0.2554	0.1843	2.1570	6.8400e-003	0.7377	5.7200e-003	0.7434	0.1959	5.2700e-003	0.2012	0.0000	618.8320	618.8320	0.0159	0.0000	619.2303
Total	0.2880	1.2509	2.4994	0.0105	0.8386	6.9700e-003	0.8456	0.2248	6.4700e-003	0.2313	0.0000	977.0195	977.0195	0.0356	0.0000	977.9083

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1026	0.9443	5.4957	8.3400e-003		0.0119	0.0119		0.0119	0.0119	0.0000	721.6010	721.6010	0.1026	0.0000	724.1663
Total	0.1026	0.9443	5.4957	8.3400e-003		0.0119	0.0119		0.0119	0.0119	0.0000	721.6010	721.6010	0.1026	0.0000	724.1663

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-004	0.0193	6.6400e-003	8.0000e-005	7.7900e-003	3.0000e-005	7.8200e-003	1.9700e-003	3.0000e-005	2.0000e-003	0.0000	8.2762	8.2762	5.5000e-004	0.0000	8.2900
Vendor	0.0320	1.0473	0.3358	3.6000e-003	0.0931	1.2200e-003	0.0944	0.0269	1.1700e-003	0.0281	0.0000	349.9113	349.9113	0.0191	0.0000	350.3880
Worker	0.2554	0.1843	2.1570	6.8400e-003	0.7377	5.7200e-003	0.7434	0.1959	5.2700e-003	0.2012	0.0000	618.8320	618.8320	0.0159	0.0000	619.2303
Total	0.2880	1.2509	2.4994	0.0105	0.8386	6.9700e-003	0.8456	0.2248	6.4700e-003	0.2313	0.0000	977.0195	977.0195	0.0356	0.0000	977.9083

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2913	858.2913	0.1201	0.0000	861.2925
Total	0.5162	4.1870	6.1596	9.9200e-003		0.1922	0.1922		0.1864	0.1864	0.0000	858.2913	858.2913	0.1201	0.0000	861.2925

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0228	7.9800e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7993	9.7993	6.6000e-004	0.0000	9.8158
Vendor	0.0371	1.2410	0.3871	4.2600e-003	0.1108	1.4300e-003	0.1122	0.0320	1.3700e-003	0.0333	0.0000	414.5244	414.5244	0.0223	0.0000	415.0830
Worker	0.2877	0.1998	2.3891	7.8900e-003	0.8774	6.7100e-003	0.8841	0.2330	6.1800e-003	0.2392	0.0000	713.2136	713.2136	0.0174	0.0000	713.6477
Total	0.3256	1.4636	2.7842	0.0123	0.9961	8.1800e-003	1.0042	0.2670	7.5900e-003	0.2746	0.0000	1,137.5372	1,137.5372	0.0404	0.0000	1,138.5465

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1221	1.1231	6.5365	9.9200e-003		0.0141	0.0141		0.0141	0.0141	0.0000	858.2902	858.2902	0.1201	0.0000	861.2915
Total	0.1221	1.1231	6.5365	9.9200e-003		0.0141	0.0141		0.0141	0.0141	0.0000	858.2902	858.2902	0.1201	0.0000	861.2915

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0228	7.9800e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7993	9.7993	6.6000e-004	0.0000	9.8158
Vendor	0.0371	1.2410	0.3871	4.2600e-003	0.1108	1.4300e-003	0.1122	0.0320	1.3700e-003	0.0333	0.0000	414.5244	414.5244	0.0223	0.0000	415.0830
Worker	0.2877	0.1998	2.3891	7.8900e-003	0.8774	6.7100e-003	0.8841	0.2330	6.1800e-003	0.2392	0.0000	713.2136	713.2136	0.0174	0.0000	713.6477
Total	0.3256	1.4636	2.7842	0.0123	0.9961	8.1800e-003	1.0042	0.2670	7.5900e-003	0.2746	0.0000	1,137.5372	1,137.5372	0.0404	0.0000	1,138.5465

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0224	8.0100e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7139	9.7139	6.6000e-004	0.0000	9.7303
Vendor	0.0361	1.2263	0.3759	4.2200e-003	0.1104	1.4000e-003	0.1118	0.0319	1.3400e-003	0.0332	0.0000	410.9527	410.9527	0.0220	0.0000	411.5014
Worker	0.2727	0.1822	2.2102	7.5500e-003	0.8746	6.5500e-003	0.8812	0.2323	6.0300e-003	0.2383	0.0000	683.4137	683.4137	0.0158	0.0000	683.8082
Total	0.3095	1.4310	2.5941	0.0119	0.9929	7.9900e-003	1.0009	0.2662	7.4100e-003	0.2736	0.0000	1,104.0804	1,104.0804	0.0384	0.0000	1,105.0400

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1217	1.1195	6.5157	9.8800e-003		0.0141	0.0141		0.0141	0.0141	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026
Total	0.1217	1.1195	6.5157	9.8800e-003		0.0141	0.0141		0.0141	0.0141	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0224	8.0100e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.7139	9.7139	6.6000e-004	0.0000	9.7303
Vendor	0.0361	1.2263	0.3759	4.2200e-003	0.1104	1.4000e-003	0.1118	0.0319	1.3400e-003	0.0332	0.0000	410.9527	410.9527	0.0220	0.0000	411.5014
Worker	0.2727	0.1822	2.2102	7.5500e-003	0.8746	6.5500e-003	0.8812	0.2323	6.0300e-003	0.2383	0.0000	683.4137	683.4137	0.0158	0.0000	683.8082
Total	0.3095	1.4310	2.5941	0.0119	0.9929	7.9900e-003	1.0009	0.2662	7.4100e-003	0.2736	0.0000	1,104.0804	1,104.0804	0.0384	0.0000	1,105.0400

3.6 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036
Total	0.4820	3.9196	6.1244	9.8800e-003		0.1654	0.1654		0.1604	0.1604	0.0000	855.5525	855.5525	0.1181	0.0000	858.5036

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0221	8.0500e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.6621	9.6621	6.5000e-004	0.0000	9.6785
Vendor	0.0353	1.2148	0.3683	4.2000e-003	0.1104	1.3700e-003	0.1118	0.0319	1.3100e-003	0.0332	0.0000	408.7915	408.7915	0.0216	0.0000	409.3322
Worker	0.2606	0.1679	2.0653	7.2900e-003	0.8746	6.3300e-003	0.8809	0.2323	5.8200e-003	0.2381	0.0000	659.6763	659.6763	0.0145	0.0000	660.0379
Total	0.2966	1.4047	2.4416	0.0116	0.9929	7.7400e-003	1.0007	0.2662	7.1700e-003	0.2733	0.0000	1,078.1299	1,078.1299	0.0367	0.0000	1,079.0486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1217	1.1195	6.5157	9.8800e-003		0.0141	0.0141		0.0141	0.0141	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026
Total	0.1217	1.1195	6.5157	9.8800e-003		0.0141	0.0141		0.0141	0.0141	0.0000	855.5515	855.5515	0.1181	0.0000	858.5026

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0221	8.0500e-003	1.0000e-004	7.8800e-003	4.0000e-005	7.9200e-003	2.0000e-003	4.0000e-005	2.0400e-003	0.0000	9.6621	9.6621	6.5000e-004	0.0000	9.6785
Vendor	0.0353	1.2148	0.3683	4.2000e-003	0.1104	1.3700e-003	0.1118	0.0319	1.3100e-003	0.0332	0.0000	408.7915	408.7915	0.0216	0.0000	409.3322
Worker	0.2606	0.1679	2.0653	7.2900e-003	0.8746	6.3300e-003	0.8809	0.2323	5.8200e-003	0.2381	0.0000	659.6763	659.6763	0.0145	0.0000	660.0379
Total	0.2966	1.4047	2.4416	0.0116	0.9929	7.7400e-003	1.0007	0.2662	7.1700e-003	0.2733	0.0000	1,078.1299	1,078.1299	0.0367	0.0000	1,079.0486

3.6 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1393	265.1393	0.0366	0.0000	266.0538
Total	0.1494	1.2147	1.8980	3.0600e-003		0.0513	0.0513		0.0497	0.0497	0.0000	265.1393	265.1393	0.0366	0.0000	266.0538

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	6.7500e-003	2.5100e-003	3.0000e-005	7.4800e-003	1.0000e-005	7.4900e-003	1.8600e-003	1.0000e-005	1.8700e-003	0.0000	2.9800	2.9800	2.0000e-004	0.0000	2.9850
Vendor	0.0107	0.3730	0.1122	1.2900e-003	0.0342	4.2000e-004	0.0346	9.8800e-003	4.0000e-004	0.0103	0.0000	126.0856	126.0856	6.6000e-003	0.0000	126.2507
Worker	0.0771	0.0480	0.5998	2.1900e-003	0.2711	1.8500e-003	0.2729	0.0720	1.7000e-003	0.0737	0.0000	197.9203	197.9203	4.1100e-003	0.0000	198.0231
Total	0.0880	0.4278	0.7145	3.5100e-003	0.3128	2.2800e-003	0.3150	0.0837	2.1100e-003	0.0858	0.0000	326.9859	326.9859	0.0109	0.0000	327.2589

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0377	0.3470	2.0193	3.0600e-003		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003	0.0000	265.1390	265.1390	0.0366	0.0000	266.0535
Total	0.0377	0.3470	2.0193	3.0600e-003		4.3700e-003	4.3700e-003		4.3700e-003	4.3700e-003	0.0000	265.1390	265.1390	0.0366	0.0000	266.0535

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	6.7500e-003	2.5100e-003	3.0000e-005	7.4800e-003	1.0000e-005	7.4900e-003	1.8600e-003	1.0000e-005	1.8700e-003	0.0000	2.9800	2.9800	2.0000e-004	0.0000	2.9850
Vendor	0.0107	0.3730	0.1122	1.2900e-003	0.0342	4.2000e-004	0.0346	9.8800e-003	4.0000e-004	0.0103	0.0000	126.0856	126.0856	6.6000e-003	0.0000	126.2507
Worker	0.0771	0.0480	0.5998	2.1900e-003	0.2711	1.8500e-003	0.2729	0.0720	1.7000e-003	0.0737	0.0000	197.9203	197.9203	4.1100e-003	0.0000	198.0231
Total	0.0880	0.4278	0.7145	3.5100e-003	0.3128	2.2800e-003	0.3150	0.0837	2.1100e-003	0.0858	0.0000	326.9859	326.9859	0.0109	0.0000	327.2589

3.7 AC4 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1883	1.6836	2.2657	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8198	346.8198	0.0498	0.0000	348.0637
Total	0.3255	1.6836	2.2657	4.0100e-003		0.0748	0.0748		0.0733	0.0733	0.0000	346.8198	346.8198	0.0498	0.0000	348.0637

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111
Total	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0496	0.4522	2.5409	4.0100e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	346.8194	346.8194	0.0498	0.0000	348.0633
Total	0.1868	0.4522	2.5409	4.0100e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	346.8194	346.8194	0.0498	0.0000	348.0633

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111
Total	0.0325	0.0235	0.2745	8.7000e-004	0.0939	7.3000e-004	0.0946	0.0249	6.7000e-004	0.0256	0.0000	78.7604	78.7604	2.0300e-003	0.0000	78.8111

3.7 AC4 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2379	648.2379	0.0915	0.0000	650.5254
Total	0.5876	2.9452	4.2298	7.4900e-003		0.1218	0.1218		0.1193	0.1193	0.0000	648.2379	648.2379	0.0915	0.0000	650.5254

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295
Total	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0927	0.8452	4.7491	7.4900e-003		0.0108	0.0108		0.0108	0.0108	0.0000	648.2372	648.2372	0.0915	0.0000	650.5246
Total	0.3491	0.8452	4.7491	7.4900e-003		0.0108	0.0108		0.0108	0.0108	0.0000	648.2372	648.2372	0.0915	0.0000	650.5246

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295
Total	0.0576	0.0400	0.4778	1.5800e-003	0.1755	1.3400e-003	0.1768	0.0466	1.2400e-003	0.0478	0.0000	142.6427	142.6427	3.4700e-003	0.0000	142.7295

3.7 AC4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912
Total	0.5651	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616
Total	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0924	0.8425	4.7340	7.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904
Total	0.3480	0.8425	4.7340	7.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616
Total	0.0545	0.0365	0.4420	1.5100e-003	0.1749	1.3100e-003	0.1762	0.0465	1.2100e-003	0.0477	0.0000	136.6827	136.6827	3.1600e-003	0.0000	136.7616

3.7 AC4 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3095	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912
Total	0.5651	2.7333	4.2075	7.4700e-003		0.1041	0.1041		0.1019	0.1019	0.0000	646.1417	646.1417	0.0900	0.0000	648.3912

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076
Total	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0924	0.8425	4.7340	7.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904
Total	0.3480	0.8425	4.7340	7.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	646.1409	646.1409	0.0900	0.0000	648.3904

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076
Total	0.0521	0.0336	0.4131	1.4600e-003	0.1749	1.2700e-003	0.1762	0.0465	1.1600e-003	0.0476	0.0000	131.9353	131.9353	2.8900e-003	0.0000	132.0076

3.7 AC4 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0959	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2420	200.2420	0.0279	0.0000	200.9391
Total	0.1751	0.8471	1.3039	2.3100e-003		0.0323	0.0323		0.0316	0.0316	0.0000	200.2420	200.2420	0.0279	0.0000	200.9391

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.7 AC4 - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	9.6000e-003	0.1200	4.4000e-004	0.0542	3.7000e-004	0.0546	0.0144	3.4000e-004	0.0147	0.0000	39.5841	39.5841	8.2000e-004	0.0000	39.6046
Total	0.0154	9.6000e-003	0.1200	4.4000e-004	0.0542	3.7000e-004	0.0546	0.0144	3.4000e-004	0.0147	0.0000	39.5841	39.5841	8.2000e-004	0.0000	39.6046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.2611	1.4671	2.3100e-003		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	200.2417	200.2417	0.0279	0.0000	200.9389
Total	0.1079	0.2611	1.4671	2.3100e-003		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	200.2417	200.2417	0.0279	0.0000	200.9389

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

3.10 AC3 - 2024

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5444	2.7500	7.0173	0.0306	2.9426	0.0215	2.9640	0.7885	0.0200	0.8084	0.0000	2,841.4987	2,841.4987	0.1249	0.0000	2,844.6201
Unmitigated	0.5776	2.9218	7.7936	0.0344	3.3362	0.0241	3.3603	0.8940	0.0223	0.9163	0.0000	3,196.6456	3,196.6456	0.1388	0.0000	3,200.1166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,760.88	2,223.72	2039.28	6,375,182	5,622,911
Condo/Townhouse High Rise	759.00	646.50	514.50	2,417,880	2,132,570
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	2,519.88	2,870.22	2,553.78	8,793,062	7,755,480

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Condo/Townhouse High Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Enclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Parking Lot	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.6646	122.6646	5.2000e-003	1.0400e-003	123.1047
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.6646	122.6646	5.2000e-003	1.0400e-003	123.1047
NaturalGas Mitigated	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8200e-003	6.5300e-003	358.1212
NaturalGas Unmitigated	0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8200e-003	6.5300e-003	358.1212

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.66187e+006	0.0251	0.2148	0.0914	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.7750	248.7750	4.7700e-003	4.5600e-003	250.2533
Condo/Townhouse High Rise	2.00943e+006	0.0108	0.0926	0.0394	5.9000e-004		7.4900e-003	7.4900e-003		7.4900e-003	7.4900e-003	0.0000	107.2306	107.2306	2.0600e-003	1.9700e-003	107.8678
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8300e-003	6.5300e-003	358.1211

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.66187e+006	0.0251	0.2148	0.0914	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	248.7750	248.7750	4.7700e-003	4.5600e-003	250.2533
Condo/Townhouse High Rise	2.00943e+006	0.0108	0.0926	0.0394	5.9000e-004		7.4900e-003	7.4900e-003		7.4900e-003	7.4900e-003	0.0000	107.2306	107.2306	2.0600e-003	1.9700e-003	107.8678
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0360	0.3074	0.1308	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.0056	356.0056	6.8300e-003	6.5300e-003	358.1211

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	680400	109.1450	4.6300e-003	9.3000e-004	109.5366
Parking Lot	84280	13.5196	5.7000e-004	1.1000e-004	13.5681
Total		122.6646	5.2000e-003	1.0400e-003	123.1047

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	680400	109.1450	4.6300e-003	9.3000e-004	109.5366
Parking Lot	84280	13.5196	5.7000e-004	1.1000e-004	13.5681
Total		122.6646	5.2000e-003	1.0400e-003	123.1047

6.0 Area Detail

6.1 Mitigation Measures Area

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Unmitigated	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1806					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1551	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Total	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1806					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1551	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138
Total	2.5275	0.0592	5.1423	2.7000e-004		0.0285	0.0285		0.0285	0.0285	0.0000	8.4115	8.4115	8.0900e-003	0.0000	8.6138

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	84.1944	0.6800	0.0166	106.1505
Unmitigated	98.9088	0.8497	0.0207	126.3312

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	18.1389 / 14.2942	69.1170	0.5937	0.0145	88.2797
Condo/Townhouse High Rise	7.81848 / 6.1613	29.7918	0.2559	6.2500e-003	38.0516
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		98.9088	0.8497	0.0207	126.3312

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.5111 / 13.4223	58.8346	0.4751	0.0116	74.1775
Condo/Townhouse High Rise	6.25479 / 5.78547	25.3597	0.2048	5.0100e-003	31.9730
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		84.1944	0.6799	0.0166	106.1505

8.0 Waste Detail

8.1 Mitigation Measures Waste

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	46.5012	2.7481	0.0000	115.2047
Unmitigated	46.5012	2.7481	0.0000	115.2047

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	160.08	32.4948	1.9204	0.0000	80.5045
Condo/Townhouse High Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		46.5012	2.7481	0.0000	115.2047

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	160.08	32.4948	1.9204	0.0000	80.5045
Condo/Townhouse High Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		46.5012	2.7481	0.0000	115.2047

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Metrowalk Project - 2028 - Mitigated - Los Angeles-South Coast County, Annual

Equipment Type	Number
----------------	--------

11.0 Vegetation

Criteria Pollutant Emissions (lbs/day)		
Pollutant	EMFAC2017 Output	Adjusted for SAFE Rule
ROG	4.6	4.6
NO _x	7.7	7.8
CO	45.8	46.2
SO _x	0.1	0.1
PM ₁₀	2.4	2.5
PM _{2.5}	1.0	1.0

SAFE Rule Adjustment Factors	
Year	2028
NO _x Exhaust	1.0034
PM Exhaust	1.0117
CO Exhaust	1.0120

Project Vehicle Activity Inputs	
VMT	21306
Vehicle Trips	2568
Vehicle Population	607

GHG Emissions (MT/year)		
Pollutant	EMFAC2017 Output	Adjusted for SAFE Rule
CO ₂	872.3	933.5
CH ₄	0.1	0.1
N ₂ O	0.1	0.1
CO ₂ e	899.7	961.0

SAFE Rule Adjustment Factor	
Year	2030
CO ₂ Exhaust	1.0702

Project Vehicle Activity Inputs	
VMT	21306
Vehicle Trips	2568
Vehicle Population	620

