Technical Memorandum

To: Lauren Rhodes and Jan Green Rebstock, Environmental Management Group, Bureau of Engineering, Department of Public Works, City of Los Angeles; Kari Derderian and Clare Lahey, Bureau of Transit Services, Los Angeles Department of Transportation, City of Los Angeles

From: Anders Sutherland, Senior Environmental Scientist
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Date: July 28, 2022

Re: Los Angeles Department of Transportation Electric Bus Maintenance Facility – Air Quality Impact Assessment

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1.0 PURPOSE AND ORGANIZATION OF THIS MEMO

The purpose of this memorandum is to document the results of the Air Quality analysis of the potential environmental impacts associated with construction and operation of the proposed Electric Bus Maintenance Facility (EBMF or proposed project) in south Los Angeles. This study is conducted in support of the Initial Study to be prepared in compliance with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines and the Environmental Assessment to be prepared in compliance with the National Environmental Policy Act (NEPA).

2.0 PROJECT DESCRIPTION

2.1 Project Location and Setting

The City of Los Angeles (the City) is proposing to construct an EBMF on a 5.5-acre land located at 740 and 800 East 111th Place in South Los Angeles (Assessor's Parcel Numbers [APNs] 6071-022-009 and 6071-022-013). The project site is located on light industrial zoned land and has been recently utilized as a logistics warehouse for solar panels. The project site is situated within Council District 8's jurisdiction in the Southeast Los Angeles Community Planning Area of the City (Figures 1 and 2). The proposed project will be operated by the Los Angeles Department of Transportation (LADOT).

The project site is located between East 111th Place and East Lanzit Avenue, east of South Avalon Boulevard, and has a relatively flat topography. Small clusters of light-industry land uses can be found in the immediate vicinity of the project site, with adjacent land uses surrounding the project site comprised mostly of multi-family and single-family residences but also encompassing land supporting other activities, including commercial and community-oriented social services, such as education and health facilities. The area is largely urbanized and nearly built-out with little or no

remaining vacant land. There are no natural features or major land formations, surface water bodies, or waterways near the project site.

Figure 1 Regional Map

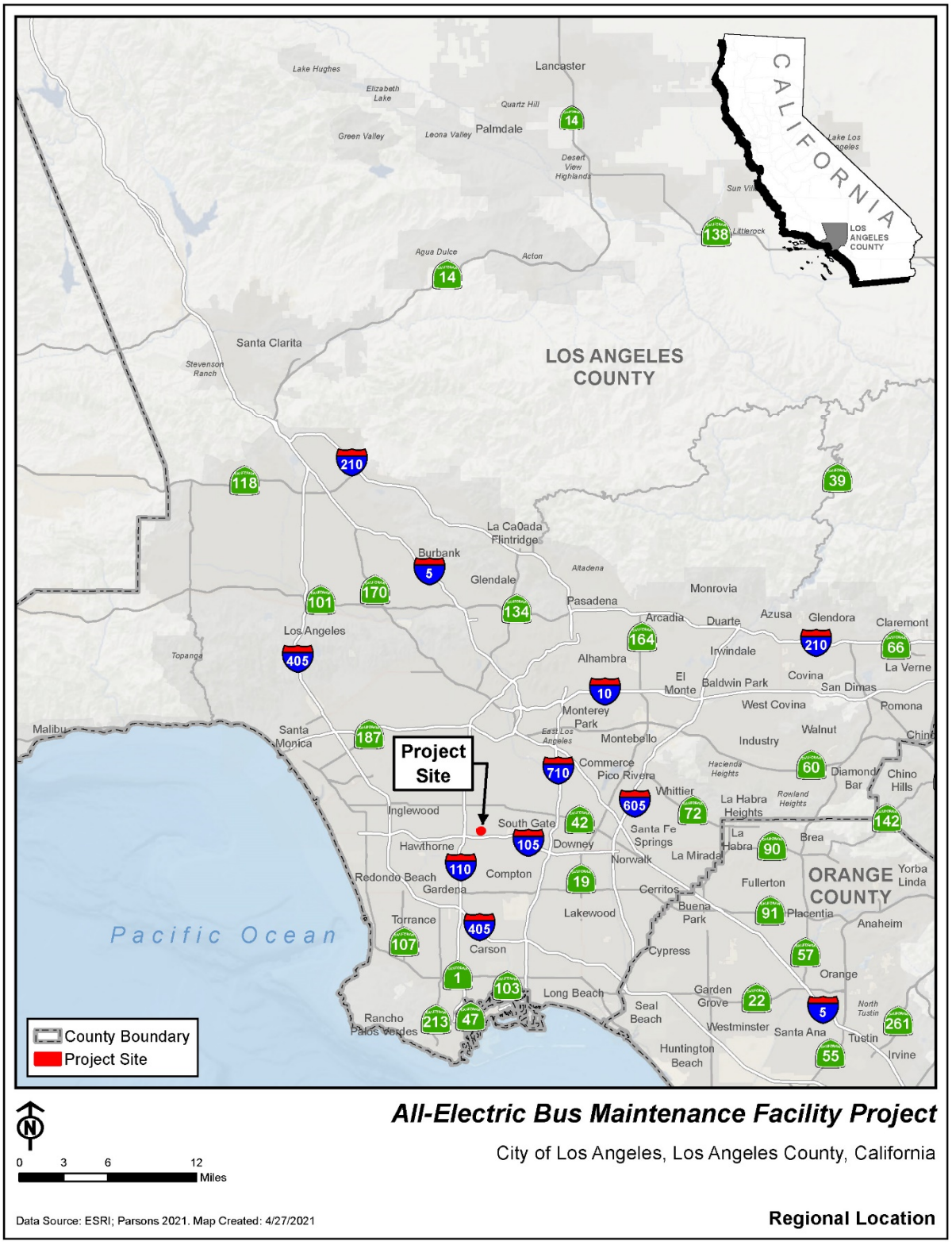
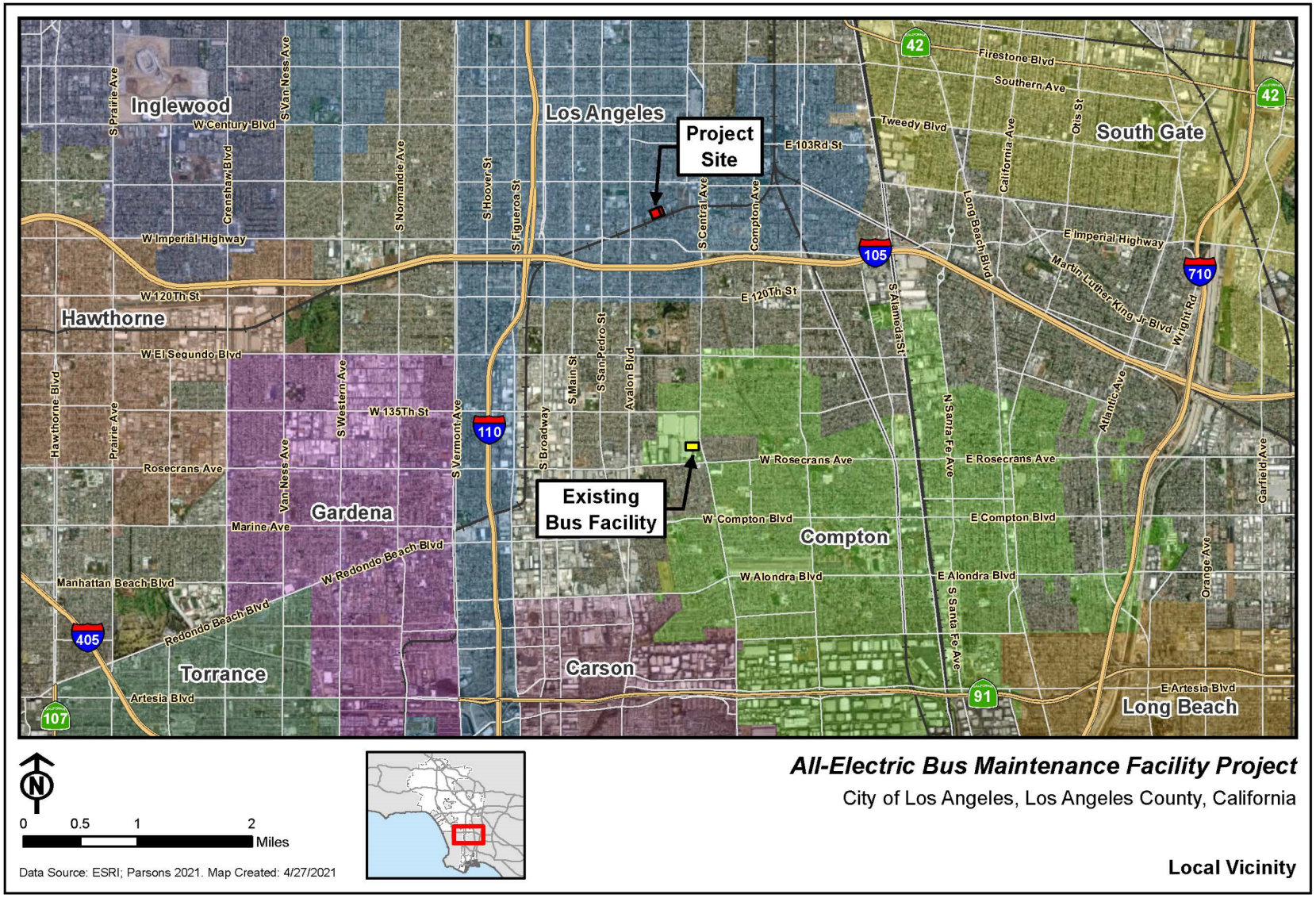


Figure 2 Project Location Map



The site is bounded by East 111th Place to the northwest, with single family residences across the street and by the Union Pacific Railroad (UPRR) tracks and Lanzit Avenue to the south, with single family residences beyond the tracks and street. Two buildings exist on the site: a 32,000-square-foot warehouse built in 1957 at the eastern section and a 118,800-square-foot warehouse built in 1956 at the central and western sections. The buildings sit back to back and the eastern and western ends of the site are paved as internal driveways and parking areas. The Animo James B. Taylor Charter Middle School is immediately to the east and the Kedren Health Community Center (which provides primary care, mental health care, and a Headstart/State preschool) is immediately to the west.

Access to the site is provided by two driveways off East 111th Place, a street that is designated as a local collector with one lane in each direction and allows daytime on-street parking on each side. The UPRR rail line runs parallel to East Lanzit Avenue south of the project site. Imperial Highway and Interstate 105 (I-105) are located approximately three and seven blocks south of the project site, respectively.

Figure 3 presents an aerial view of the project site and its general vicinity.

Figure 3 Aerial View of Project Site and its Immediate Vicinity



2.2 Proposed Project Description

LADOT operates and maintains its existing bus fleet from its South Los Angeles Bus Maintenance Facility, located at 14011 South Central Avenue in Compton. This current facility is not owned by the City and is leased through LADOT's operations services contractor. The existing facility does not have sufficient capacity to accommodate the additional maintenance and storage requirements of the proposed transition to electric buses and expanded charging needs of an all-electric bus fleet.

LADOT proposes to build a bus maintenance facility at the project site to serve its future electric bus fleet. The proposed EBMF is planned as a modern maintenance facility to support a larger and cleaner zero-emissions bus fleet, consisting of 130 all-electric battery bus vehicles for the DASH and Commuter Express services provided by LADOT. The EBMF would be used to store and dispatch electric buses for daily service and would provide repair and maintenance services, parking, charging, and inspection functions. The proposed facility would eventually replace the existing LADOT bus maintenance facility located at 14011 South Central Avenue (approximately 2 miles south of the new facility).

After demolition of the existing buildings on the site, the City proposes to construct several buildings and structures, including a two-story operations building to provide dispatch and administrative functions, a maintenance building with 10 bus maintenance bays, a service building, a bus wash building, Battery-Electric Bus (BEB) parking/charging area, and a second-story parking deck for up to 360 employee/visitor vehicles, with the canopy above the parking deck topped with a 2,000-kilowatt photovoltaic (PV) system. Electrification equipment, including electrical transformers, switch cabinets, and bus chargers, is also proposed. Figures 2-4 and 2-5 present the site layouts for the proposed facility.

The EBMF would provide preventive maintenance inspections, BEB charging, light maintenance and repair, emergency maintenance, interior vehicle cleaning, and exterior vehicle washing. It would also accommodate administrative and operations functions and be used as a report base for bus operators. It would include space for employee parking, conference meeting rooms, operations and maintenance staff offices, dispatcher workstations, employee report and recreation rooms, and areas with lockers, showers, and restrooms for operations and maintenance personnel.

The proposed project facility would accommodate as many as 70 of the 30-foot-long DASH buses and 60 of the 45-foot-long Commuter Express buses, comprising a total of 130 BEBs that would be assigned to the new South Los Angeles EBMF. The facility would include surface parking spaces for 130 BEBs in an area located east of the Maintenance Building. The BEBs running easterly from Avalon Boulevard would enter the site through the west entrance driveway on East 111th Place, check in with the onsite security guard, and proceed into the site to the southern section for service and washing. Otherwise, BEBs requiring repairs would park at the bus bays along the western section. Other BEBs may directly run in a counterclockwise direction and park at the central area for charging. The BEBs would leave the site through the east exit driveway and run westerly on East 111th Place to Avalon Boulevard. Vehicles driven by bus operators, proposed project staff,

other employees, and visitors would enter and exit through the center driveway that connects to a ramp leading to the second-level parking deck.

The construction schedule for the proposed project has not been determined. For environmental analysis purposes, it is assumed construction would be completed in 24 months following the final engineering design and bidding process in 2023. Any required remediation would be completed prior to the start of construction activities. Assuming no or limited remediation is necessary, project construction is tentatively scheduled to begin in mid-2024 and would be completed by mid-2026. Construction activities at the proposed project site would include mobilization and staging; building demolition; site clearing, grading and paving; new structure construction, equipment installation, and minor landscaping and finishing.

Approximately 312 employees would be working onsite, and the facility is planned to be open 24 hours per day, 7 days per week. Staff would be onsite on two or three shifts, which would be staggered depending on their work responsibilities.

3.0 AIR QUALITY TOPICAL BACKGROUND

3.1 Air Quality and Public Health

Certain air pollutants have been recognized to cause notable health problems and consequential damage to the environment either directly or in reaction with other pollutants, due to their presence in elevated concentrations in the atmosphere. Such pollutants have been identified and regulated as part of an overall endeavor to prevent further deterioration and to facilitate improvement in air quality. The National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) have been set at levels considered safe to protect public health, including the health of sensitive populations such as asthmatics, children, and the elderly with a margin of safety, and to protect public welfare, including protection against decreased visibility and damage to animals, crops, vegetation, and buildings.[1]

As the scientific methods for the study of air pollution health effects have progressed over the past decades, adverse effects have been shown to occur at lower levels of exposure. New findings over time have led to the revision and lowering of NAAQS by the United States Environmental Protection Agency (USEPA). Ongoing assessments of the scientific evidence from health studies continue to be an important part of setting and informing revisions to federal and state air quality standards.[2] The NAAQS and CAAQS are listed in Table 2 on page 17 of this technical memorandum.

[1]USEPA, NAAQS TABLE, https://www.epa.gov/criteria-air-pollutants/naaqs-table. ACCESSED NOVEMBER 2021.
[2]SCAQMD, FINAL 2016 AQMP, 2017. APPENDIX I-69. ACCESSED NOVEMBER 2021.

At the regional level, the South Coast Air Quality Management District (SCAQMD) is the regulatory agency responsible for improving air quality for large areas of Los Angeles, Orange County, Riverside and San Bernardino Counties, including the Coachella Valley.[3] The City of Los Angeles is located within the South Coast Air Basin (SCAB) which is a distinct geographic subarea within the SCAQMD's jurisdiction. The SCAQMD, together with the Southern California Association of Governments (SCAG), has the responsibility for ensuring that national and state ambient air quality standards are achieved and maintained for the SCAB. Failure to comply with these standards puts state and local agencies at risk for penalties in the form of lawsuits, fines, a federal takeover of state implementation plans, and a loss of funds from federal agencies such as the Federal Highway Administration and Federal Transit Administration.

To meet the air quality standards, regional plans are developed, including the SCAQMD's Air Quality Management Plan (AQMP), which incorporates regional demographic projections and integrated regional land use and transportation strategies from SCAG's Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). These plans work together to examine multiple pollutants, cumulative effects, and transport issues related to attaining healthful air quality in the region. In addition, a host of regulatory standards at the federal, state, regional, and local level function to identify and limit exposure of air pollutants and toxic air contaminants.

3.2 Air Pollutant Types

3.2.1 Criteria Air Pollutants

The six principal pollutants for which national and state criteria and standards have been promulgated, known as "criteria pollutants"—and that are most relevant to current air quality planning and regulation in the SCAB—include: ozone (O_3), respirable and fine particulate matter (PM_{10} and $PM_{2.5}$, respectively), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead (Pb). These pollutants are referred to as "criteria air pollutants" because of the specific standards, or criteria, adopted to regulate them.

i. Ozone (O_3)

O_3 is a gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO_X) - both byproducts of internal combustion engine exhaust - undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable. An elevated level of O_3 irritates the lungs and breathing passages, causing coughing and pain in the chest and throat, thereby increasing susceptibility to respiratory infections and reducing the ability to exercise. Effects are more severe in people with asthma and other respiratory ailments. Long-term exposure may lead to scarring of lung tissue and may lower lung efficiency.

[3]SCAQMD, MAP OF JURISDICTION, ACCESSED NOVEMBER 2021.

ii. Particulate Matter (PM_{10} and $PM_{2.5}$)

Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. Respirable and fine particulate matter, PM_{10} and $PM_{2.5}$, consist of extremely small, suspended particles or droplets 10 microns and 2.5 microns or smaller in diameter, respectively. Some sources of particulate matter, like pollen and windstorms, are naturally occurring. However, in areas like the City of Los Angeles, most particulate matter is caused by road dust, diesel soot, combustion products, abrasion of tires and brakes, and construction activities. The human body naturally prevents the entry of larger particles into the body. However, small particles can enter the body and become trapped in the nose, throat, and upper respiratory tract. These small particulates can potentially aggravate existing heart and lung diseases, change the body's defenses against inhaled materials, and damage lung tissue. The elderly, children, and those with chronic lung or heart disease are most sensitive to PM_{10} and $PM_{2.5}$. Lung impairment can persist for two to three weeks after exposure to high levels of particulate matter. Some types of particulates can become toxic after inhalation due to the presence of certain chemicals and their reaction with internal body fluids.

iii. Carbon Monoxide (CO)

CO is a colorless, odorless gas primarily emitted from combustion processes and motor vehicles due to incomplete combustion of carbon-containing fuels such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike O_3, motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections. Elevated concentrations of CO weaken the heart's contractions and lower the amount of oxygen carried by the blood. It is especially dangerous for people with chronic heart disease. Inhalation of CO can cause nausea, dizziness, and headaches at moderate concentrations and can be fatal at high concentrations.

iv. Nitrogen Dioxide (NO_2)

NO_2 is a nitrogen oxide (NO_X) compound that is produced by the combustion of fossil fuels, such as in internal combustion engines (both gasoline and diesel powered), as well as point sources, especially power plants. Of the seven types of NO_X compounds, NO_2 is the most abundant in the atmosphere. NO_2 absorbs blue light and results in a brownish-red cast to the atmosphere and reduced visibility. NO_2 also contributes to the formation of PM_{10}. Nitrogen oxides irritate the nose and throat, and increase one's susceptibility to respiratory infections, especially in people with asthma. The principal concern of NO_2 and NO_X emissions in California are as a precursor to the formation of O_3.

v. Sulfur Dioxide (SO_2)

Sulfur oxides (SO_X) are compounds of sulfur and oxygen molecules. SO_2 is the predominant form found in the lower atmosphere and is a product of burning sulfur or burning materials that contain sulfur. Major sources of SO_2 include power plants, large industrial facilities, diesel vehicles, and oil-burning residential heaters. Generally, the highest levels of SO_2 are found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels. Emissions of SO_2 aggravate lung diseases, especially bronchitis. It also constricts the breathing passages, especially in asthmatics and people involved in moderate to heavy exercise. SO_2 potentially causes wheezing, shortness of breath, and coughing. High levels of particulates appear to worsen the effect of SO_2, and long-term exposures to both pollutants leads to higher rates of respiratory illness.

vi. Lead (Pb)

Lead is a metal found naturally in the environment as well as in manufactured products. The highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions to the air are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. Lead is also emitted from the sanding or removal of old lead-based paint. Lead emissions are primarily a regional pollutant. Lead affects the brain and other parts of the body's nervous system. Exposure to lead in very young children impairs the development of the nervous system, kidneys, and blood forming processes in the body.

3.2.2 Additional Criteria Pollutants (California-Specific)

In addition to the criteria air pollutants recognized at the national level, California has established ambient air quality standards pertinent to the following air pollutants.

i. Sulfates ($-SO_4^{2-}$)

Sulfates are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized during the combustion process and subsequently converted to sulfate compounds in the atmosphere. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms, and an increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and, due to the fact that they are usually acidic, can harm ecosystems and damage materials and property.

ii. Hydrogen Sulfide (H_2S)

H_2S is colorless gas with the odor of rotten eggs. The most common sources of H_2S emissions are oil and natural gas extraction and processing, and natural emissions from

geothermal fields. Industrial sources of H_2S include petrochemical plants and kraft paper mills. H_2S is also formed during bacterial decomposition of human and animal wastes, and is present in emissions from sewage treatment facilities and landfills.[4] Exposure to H_2S can induce tearing of the eyes and symptoms related to overstimulation of the sense of smell, including headache, nausea, or vomiting; additional health effects of eye irritation have only been reported with exposures greater than 50 parts ppm, which is considerably higher than the odor threshold. H_2S is regulated as a nuisance based on its odor detection level; if the standard were based on adverse health effects, it would be set at a much higher level.

iii. Visibility Reducing Particles

Visibility-reducing particles come from a variety of natural and manmade sources and can vary greatly in shape, size and chemical composition. Visibility reduction is caused by the absorption and scattering of light by the particles in the atmosphere before it reaches the observer. Certain visibility-reducing particles are directly emitted to the air, such as windblown dust and soot, while others are formed in the atmosphere through chemical transformations of gaseous pollutants (e.g., sulfates, nitrates, organic carbon particles) which are the major constituents of particulate matter. As the number of visibility-reducing particles increases, more light is absorbed and scattered, resulting in less clarity, color, and visual range.[5] Exposure to some haze-causing pollutants have been linked to adverse health impacts similar to PM_{10} and $PM_{2.5,}$ as discussed above.[6]

iv. Vinyl Chloride

Vinyl chloride is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products and is generally emitted from industrial processes. Other major sources of vinyl chloride have been detected near landfills, sewage plants, and hazardous waste sites due to microbial breakdown of chlorinated solvents.[7] Short-term health of effects of exposure to high levels of vinyl chloride in the air include central nervous system effects, such as dizziness, drowsiness, and headaches while long-term exposure to vinyl chloride through inhalation and oral exposure causes liver damage and has been shown to increase the risk of angiosarcoma, a rare form of liver cancer in humans. Most health data on vinyl chloride relate to carcinogenicity; thus, the people most at risk are those who have long-term exposure to elevated levels, which is more likely to occur in occupational or industrial settings; however, control methodologies applied to industrial facilities generally prevent emissions to the ambient air.

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[4]CARB, *Hydrogen Sulfide & Healt*h, https://ww2.arb.ca.gov/resources/hydrogen-sulfide-and-health. Accessed November 8, 2021.
[5]CARB, *Visibility-Reducing Particles and Health*, https://www.arb.ca.gov/research/aaqs/common-pollutants/vrp/vrp.htm. Accessed November 8, 2021.
6 Ibid.
7 CARB, Vinyl Chloride & Health, https://ww2.arb.ca.gov/resources/vinyl-chloride-and-health. Accessed November 2021

3.2.3 Volatile Organic Compounds and Toxic Air Contaminants

Although the SCAQMD's primary mandate is attaining the NAAQS and the CAAQS for criteria pollutants within the district, SCAQMD also has a general responsibility to control emissions of air contaminants and prevent endangerment to public health. As a result, the SCAQMD has regulated pollutants other than criteria pollutants such as volatile organic compounds (VOCs), toxic air contaminants (TACs), greenhouse gases (GHGs), and stratospheric ozone-depleting compounds.

i. Volatile Organic Compounds

VOCs are organic chemical compounds of carbon and are not "criteria" pollutants themselves; however, VOCs are a prime component (along with NO_X) of the photochemical processes by which such criteria pollutants as O_3, nitrogen dioxide, and certain fine particles are formed. They are therefore regulated as "precursors" to formation of these criteria pollutants. Some are also identified as TACs and have adverse health effects. VOCs are typically formed from combustion of fuels and/or released through evaporation of organic liquids, internal combustion associated with motor vehicle usage, and consumer products (e.g., architectural coatings, etc.).

ii. Toxic Air Contaminants

TACs is a term used to describe airborne pollutants that may be expected to result in an increase in mortality or serious illness or which may pose a present or potential hazard to human health and include both carcinogens and non-carcinogens. The California Air Resources Board (CARB) and the California Office of Environmental Health Hazard Assessment (OEHHA) determine if a substance should be formally identified, or "listed," as a TAC in California. CARB has listed approximately 200 toxic substances that are identified on the California Air Toxics Program's TAC List. TACs are also not classified as "criteria" air pollutants. The greatest potential for TAC emissions during construction is related to diesel particulate matter (DPM) emissions associated with heavy-duty equipment. During long-term operations, sources of DPM may include heavy duty diesel-fueled delivery trucks and stationary emergency generators. The effects of TACs can be diverse and their health impacts tend to be local rather than regional; consequently, ambient air quality standards for these pollutants have not been established, and analysis of health effects is instead based on cancer risk and exposure levels.

4.0 EXISTING CONDITIONS

4.1 Regional Setting

The City of Los Angeles is located within the SCAB, which is known to have high concentrations of air pollution. The extent and severity of the air pollution problem is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Pollutant concentrations in the SCAB vary with location, season, and time of day. Ozone (O_3) concentrations, for example, tend to be lower along the coast, higher in the near inland valleys, and lower in

the far inland areas of the SCAB and adjacent desert. Over the past 30 years, substantial progress has been made in reducing air pollution levels in Southern California. However, the SCAB still fails to meet the State and/or national standards for O_3, particulate matter less than 10 microns in diameter (PM_{10}), and particulate matter less than 2.5 microns in diameter ($PM_{2.5}$). In addition, Los Angeles County still fails to meet the national standard for Pb.[8] The Los Angeles County portion of the SCAB is designated as attainment or maintenance of the ambient air quality standards for CO, NO_2, and SO_2.

The SCAQMD published the fifth iteration of its Multiple Air Toxics Exposure Study (MATES-V) in August 2021. The MATES-V Study was aimed at estimating the cancer risk from toxic air emissions throughout the SCAB by monitoring TAC concentrations at 10 fixed sites between 2018–2019, preparing an updated emissions inventory of toxic air contaminants, and a regional dispersion modeling effort to fully characterize health risks for those living in the SCAB. The MATES-V Study concluded that the average population-weighted carcinogenic risk from toxic air pollution in the SCAB is approximately 455 in one million over a 70-year duration, which represents an improvement of approximately 50 percent relative to the 2012–2013 MATES IV results.9 Mobile sources (e.g., cars, trucks, trains, ships, aircraft, etc.) represent the greatest contributors. Approximately 50 percent of the risk in ambient air is attributed to diesel particulate matter (diesel PM), approximately 38 percent to other toxics associated with mobile sources (including benzene, butadiene, and carbonyls), and approximately 12 percent of all carcinogenic risk is attributed to stationary sources (which include large industrial operations such as refineries and metal processing facilities, as well as smaller businesses such as gas stations and chrome plating).

4.2 Local Setting

4.2.1 Existing Local Air Quality

Air pollutant emissions are generated in the local vicinity by stationary and area-wide sources, such as commercial and industrial activity, space and water heating, landscape maintenance, consumer products, and mobile sources primarily consisting of automobile traffic. Motor vehicles are the primary source of pollutants in the local vicinity. SCAQMD maintains a network of air quality monitoring stations located throughout its jurisdiction and has divided the SCAB into 38 source receptor areas (SRAs) in which 31 monitoring stations currently operate. Each monitoring station measures concentrations of air pollutants that are considered representative of the air quality in the respective SRA. The SRA boundaries were drawn based on regional modeling considering proximity to the nearest air monitoring station, the local emission inventories, and surrounding topography.

[8]USEPA, Current Nonattainment Counties for All Criteria Pollutants, November 2021.
[9]SCAQMD, MATES V Multiple Air Toxics Exposure Study in the South Coast AQMD Final Report, August 2021.

The proposed project site is located in SRA 12 (South Central Los Angeles County). The monitoring station that collects ambient air quality data to represent air quality conditions in SRA 12 is the Compton-700 North Bullis Road Monitoring Station, which measures ambient concentrations of O_3, NO_2, CO, and $PM_{2.5}$. Concentrations of these pollutants measured at the Compton-700 North Bullis Road Monitoring Station are the most representative of existing ambient air quality conditions at the proposed project site. The Compton monitoring station is located approximately four miles southeast of the project site.

Table 1 presents the air quality data statistics for the Compton-700 North Bullis Road Monitoring Station during the time period 2018–2020, including the maximum concentrations measured and the number of times the applicable air quality standards were exceeded in each year. As the Compton monitoring station is not equipped to measure concentrations of PM_{10}, data has been supplemented from the Central Los Angeles County monitoring station at 1630 North Main Street in downtown Los Angeles.

Table 1: Local Ambient Air Quality Data – South Central Los Angeles County

Pollutant	Air Quality Standards	Statistics	2018	2019	2020
Ozone (O_3)	1-hr. Average (ppm)	Maximum 1-hr. Concentration	0.075	0.100	0.152
	State Standard: 0.090 ppm	Frequency Std. Exceeded	0	1	3
	8-hr. Average (ppm)	Maximum 8-hr. Concentration	0.063	0.079	0.115
	State/Nat Standard: 0.070 ppm	Frequency Std. Exceeded	0	1	4
Nitrogen Dioxide (NO_2)	1-hr. Average (ppm)	Maximum 1-hr. Concentration	0.068	0.070	0.073
	State Standard: 0.18 ppm	Frequency Std. Exceeded	0	0	0
	National Standard: 0.10 ppm	Frequency Std. Exceeded	0	0	0
Carbon Monoxide (CO)	1-hr. Average (ppm)	Maximum 1-hr. Concentration	4.7	3.8	4.5
	State Standard: 20.0 ppm	Frequency Std. Exceeded	0	0	0
	National Standard: 35.0 ppm	Frequency Std. Exceeded	0	0	0
	8-hr. Average (ppm)	Maximum 8-hr. Concentration	3.5	3.2	3.1
	State Standard: 9.0 ppm	Frequency Std. Exceeded	0	0	0
	National Standard: 9.0 ppm	Frequency Std. Exceeded	0	0	0
Respirable Particulate Matter (PM_{10})	24-hr. Average (µg/m^3)	Maximum 24-hr. Concentration	68.2	62.4	83.7
	State Standard: 50 µg/m^3	Frequency Std. Exceeded	31	15	34
	National Standard: 150 µg/m^3	Frequency Std. Exceeded	0	0	0
	Annual Average (µg/m^3)	Annual Avg. Concentration	34.0	-	33.9
	State Standard: 20 µg/m^3	Annual Std. Exceeded?	Yes	-	Yes
Fine Particulate Matter ($PM_{2.5}$)	24-hr. Average (µg/m^3)	Maximum 24-hr. Concentration	49.4	39.5	67.5
	National Standard: 35 µg/m^3	Frequency Std. Exceeded	2	1	19
	Annual Average (µg/m^3)	Annual Avg. Concentration	13.2	10.8	14.6
	State Standard: 12 µg/m^3	Annual Std. Exceeded?	Yes	No	Yes
	National Standard: 12 µg/m^3	Annual Std. Exceeded?	Yes	No	Yes

SOURCE: SCAQMD, Historical Data by Year – Air Quality Data Tables 2018–2020, Available at: https://www.aqmd.gov/home/air-quality/historical-air-quality-data/historical-data-by-year. Accessed November 2021.

As shown in Table 1, ambient concentrations of O_3 and $PM_{2.5}$ exceeded the associated NAAQS and CAAQS numerous times over the three-year period. Additionally, concentrations of PM_{10} measured at the North Main Street station exceeded the CAAQS in all three years. Concentrations measured at the Compton and North Main Street monitoring stations reflect the nonattainment status of the Los Angeles County portion of the SCAB. The data demonstrate the ongoing challenges that the region faces with regards to improving air quality and bringing the SCAB into attainment of the federal and State standards.

4.2.2 Existing Ambient Health Risk

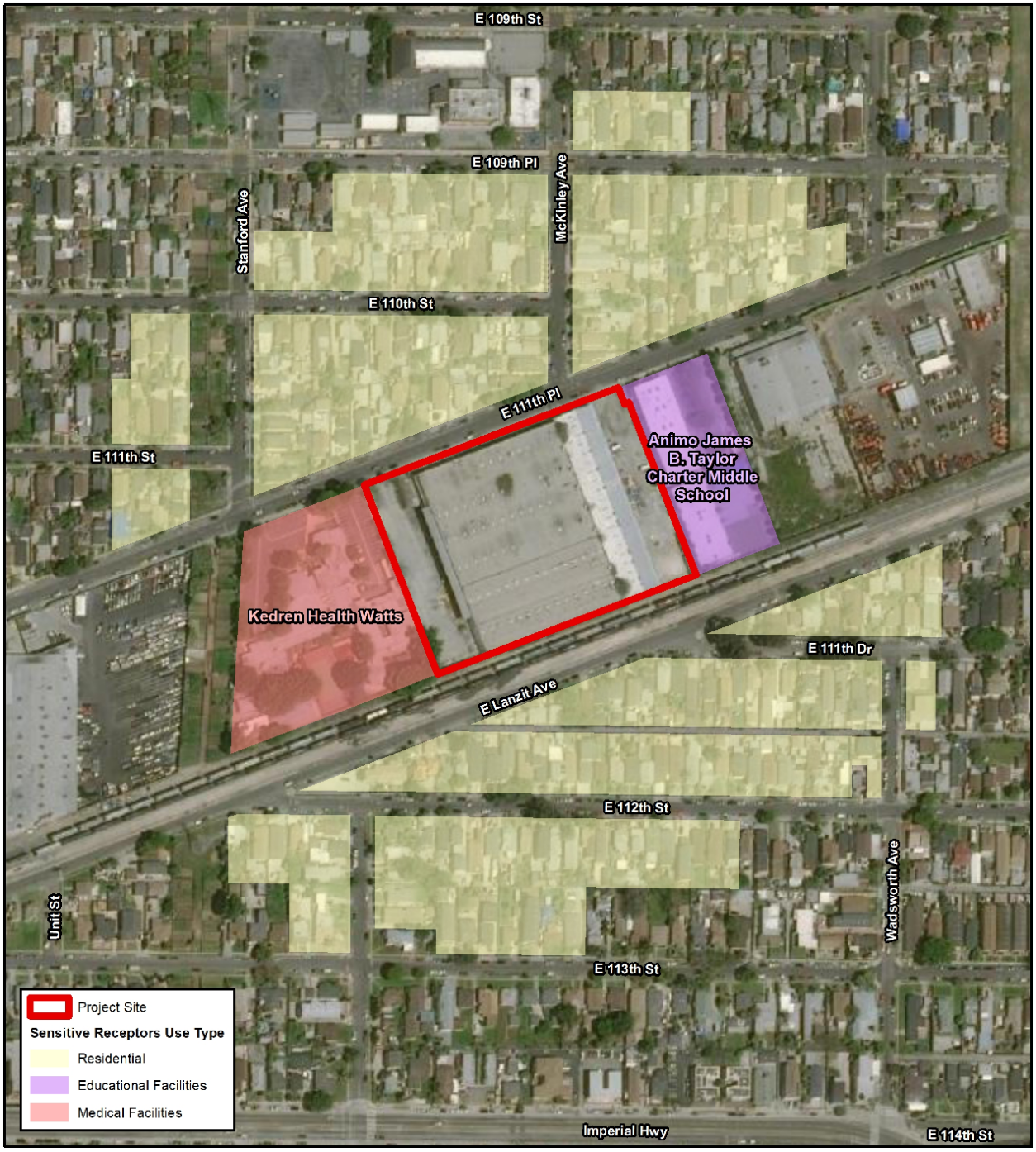
As part of the MATES-V Study, SCAQMD prepared a series of maps that shows regional trends in estimated outdoor inhalation cancer risk from toxic emissions, as part of an ongoing effort to provide insight into relative risks. The maps' estimates represent the number of potential cancers per million people associated with a lifetime of breathing air toxics (24 hours per day outdoors for 70 years). The MATES-V map is the most recently available map to represent existing conditions within the region and at the proposed project site. The estimated cancer risk for the vast majority of the urbanized area within the SCAB ranges from 200 to over 1,200 cancers per million people over a 70-year duration (SCAQMD, 2015). The risk at the proposed project site based on the regional emissions inventory and interpolated analysis is estimated to be approximately 520 excess cancers per million people, which ranks in the 84th percentile of risk throughout the SCAB.[10] The existing ambient carcinogenic risk in the local vicinity of the proposed project as measured in the MATES V study between 2018–2019 is approximately 50 percent lower than the results of the previous MATES IV study conducted between 2012–2013 that estimated the ambient risk to be 1,070 excess cancers per million, demonstrating the efficacy of regulatory initiatives to reduce TAC emissions.

4.2.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. The CARB has identified the following groups as the most likely to be affected by air pollution: children less than 14 years of age, the elderly over 65 years of age, athletes, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors are land uses where populations that are more susceptible to the adverse effects of air pollution exposure are likely to spend considerable amounts of time. The SCAQMD and CARB guidance recommends sensitive receptor locations to consider, including residences, schools, playgrounds, child-care centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. A land use survey identified the following sensitive receptors surrounding the proposed project site, as depicted on Figure 4 below:

[10]SCAQMD, *MATES V Data Visualization Tool – Gridded Cancer Risk*, August 2021. Available at: https://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v.

Figure 4 Sensitive Receptors Surrounding the Proposed Project Site



- Animo James B. Taylor Charter Middle School located adjacent to the proposed project site on the eastern side;
- Kedren Health Community Center and Headstart Preschool located adjacent to the proposed project site on the western side;

- Residential uses located to the northwest, north, and northeast across E. 111th Place, approximately 60 feet from the site boundary; and,
- Residential uses located to the southwest, south, and southeast across the railroad tracks and E. Lanzit Avenue, approximately 125 feet from the site boundary.

5.0 REGULATORY SETTING

5.1 Federal

Clean Air Act. The Federal Clean Air Act (CAA) was enacted in 1970 and has been amended numerous times in subsequent years, with the most recent amendments occurring in 1990. The CAA is the comprehensive federal law that regulates air emissions to protect public health and welfare. The USEPA is responsible for the implementation and enforcement of the CAA, which establishes federal NAAQS, specifies future dates for achieving compliance, and requires the USEPA to designate areas as attainment, nonattainment, or maintenance. The CAA also mandates that each state submit and implement a State Implementation Plan (SIP) for each criteria pollutant for which the state has not achieved the applicable NAAQS. The SIP includes pollution control measures that demonstrate how the standards for those pollutants will be met.

Certain air pollutants have been recognized to cause notable health problems and consequential damage to the environment either directly or in reaction with other pollutants, due to their presence in elevated concentrations in the atmosphere. Such pollutants have been identified and regulated as part of an overall endeavor to prevent further deterioration and to facilitate improvement in air quality.

The six principal pollutants for which NAAQS have been promulgated, which are most relevant to current air quality planning and regulation in the SCAB, include O_3, respirable and fine particulate matter (PM_{10} and $PM_{2.5}$, respectively), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead (Pb). These pollutants are referred to as “criteria air pollutants” as a result of the specific standards, or criteria, which have been adopted for them. These pollutants are discussed above under Criteria Air Pollutants, and the NAAQS are listed in Table 2 on the following page.

5.2 State

California Clean Air Act. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the State to achieve and maintain the CAAQS by the earliest practicable date. CARB is responsible for the coordination and administration of both state and federal air pollution control programs within California. In this capacity, CARB conducts research, sets the CAAQS, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products, and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. Table 2 includes the CAAQS currently in effect for each of the criteria pollutants, as well as other pollutants recognized by the state.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Period	Federal Standard[a,b]	California Standard[a,b]	South Coast Air Basin Attainment Status[c]	
				Federal Standard[d]	California Standard[d]
Ozone (O_3)	1-hour	—	0.09 ppm (180 µg/m^3)	—	Non-Attainment
	8-hour	0.070 ppm (137 µg/m^3)	0.07 ppm (137 µg/m^3)	Non-Attainment (Extreme)	Non-Attainment
Respirable Particulate Matter (PM_{10})	24-hour	150 µg/m^3	50 µg/m^3	Attainment	Non-Attainment
	Annual	—	20 µg/m^3		
Fine Particulate Matter ($PM_{2.5}$)	24-hour	35 µg/m^3	—	Non-Attainment (Serious)	Non-Attainment
	Annual	12 µg/m^3	12 µg/m^3		
Carbon Monoxide (CO)	1-hour	35 ppm (40 mg/m^3)	20 ppm (23 mg/m^3)	Attainment	Attainment
	8-hour	9 ppm (10 mg/m^3)	9.0 ppm (10 mg/m^3)		
Nitrogen Dioxide (NO_2)	1-hour	0.10 ppm (188 µg/m^3)	0.18 ppm (339 µg/m^3)	Unclassified/ Attainment	Attainment
	Annual	0.053 ppm (100 µg/m^3)	0.030 ppm (57 µg/m^3)		
Sulfur Dioxide (SO_2)	1-hour	0.075 ppm (196 µg/m^3)	0.25 ppm (655 µg/m^3)	Unclassified/ Attainment	Attainment
	3-hour	0.5 ppm (1,300 µg/m^3)	—		
	24-hour	0.14 ppm (365 µg/m^3)	0.04 ppm (105 µg/m^3)		
	Annual	0.03 ppm (80 µg/m^3)	—		
Lead (Pb)	30-day average	—	1.5 µg/m^3	Partial Non-Attainment[e]	Attainment
	Rolling 3-month average	0.15 µg/m^3	—		
Sulfates	24-hour	—	25 µg/m^3	—	Attainment
Hydrogen Sulfide (H_2S)	1-hour	—	0.03 ppm (42 µg/m^3)	—	Unclassified

Table 2: Ambient Air Quality Standards

ppm = parts per million by volume
$\mu g/m^3$ = micrograms per cubic meter

[a] *An ambient air quality standard is a concentration level expressed in either parts per million or micrograms per cubic meter and averaged over a specific time period (e.g., 1 hour). The different averaging times and concentrations are meant to protect against different exposure effects. Some ambient air quality standards are expressed as a concentration that is not to be exceeded. Others are expressed as a concentration that is not to be equaled or exceeded.*

[b] *Ambient Air Quality Standards based on the 2016 AQMP.*

[c] *"Attainment" means that the regulatory agency has determined based on established criteria, that the Air Basin meets the identified standard. "Non-attainment" means that the regulatory agency has determined that the Air Basin does not meet the standard. "Unclassified" means there is insufficient data to designate an area, or designations have yet to be made.*

[d] *California and Federal standard attainment status based on SCAQMD's 2016 AQMP and 2018 updates from CARB. https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations.*

[e] *An attainment re-designation request is pending.*

Sources: USEPA, NAAQS Table, https://www.epa.gov/criteria-air-pollutants/naaqs-table.
CARB, Ambient Air Quality Standards May 4, 2016, https://ww3.arb.ca.gov/research/aaqs/aaqs2.pdf.

California Code of Regulations. The California Code of Regulations (CCR) is the official compilation and publication of regulations adopted, amended, or repealed by the state agencies pursuant to the Administrative Procedure Act. The CCR includes regulations that pertain to air quality emissions. Specifically, Section 2485 in Title 13 of the CCR states that the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) during construction shall be limited to five minutes of any location. In addition, Section 93115 in Title 17 of the CCR states that the operation of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emission standards.

CARB Diesel Regulations. CARB developed the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles and the Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines. Statewide regulations designed to further reduce DPM emissions from diesel-fueled engines and vehicles have and continue to be evaluated and developed by State agencies. The goal of each regulation is to make diesel engines as clean as possible by establishing state-of-the-art technology requirements or emission standards to reduce DPM emissions.

California Air Toxics Program. The California Air Toxics Program was established to address potential health effects from exposure to toxic substances in the air. CARB has promulgated a number of Airborne Toxic Control Measures (ATCMs), both for stationary and mobile sources, including On-Road and Off-Road Vehicle Rules. These ATCMs include measures such as limits on heavy-duty diesel motor vehicle idling and emission standards for off-road diesel construction equipment to reduce public exposure to diesel particulate matter (DPM) and other toxic air contaminants (TACs). The California Air Toxics Program is supplemented by the Assembly Bill (AB) 2588 Air Toxics "Hot Spots" program and Senate Bill (SB) 1731, which require facilities to report their air toxics emissions, assess health risks, notify nearby residents and workers of significant risks if present, and reduce their risk through the implementation of a risk management plan.

5.3 Regional

SCAQMD Air Quality Management Plan (AQMP). The SCAQMD is primarily responsible for planning, implementing, and enforcing air quality standards for the SCAB. The SCAQMD, together with the SCAG, has the responsibility for ensuring that national and state ambient air quality standards are achieved and maintained for the SCAB. Failure to comply with these standards puts state and local agencies at risk for penalties in the form of lawsuits, fines, a federal takeover of state implementation plans, and a loss of funds from federal agencies such as the Federal Highway Administration and Federal Transit Administration.

To meet the NAAQS and CAAQS, the SCAQMD has adopted a series of AQMPs, which serve as a regional blueprint to develop and implement an emission reduction strategy that will bring the area into attainment with the standards in a timely manner. The 2016 AQMP includes strategies to ensure that rapidly approaching attainment deadlines for O_3 and $PM_{2.5}$ are met and that public health is protected to the maximum extent feasible. The SCAQMD's strategy to meet the NAAQS and CAAQS distributes the responsibility for emission reductions across federal, state and local levels and industries. The 2016 AQMP is composed of stationary and mobile source emission reductions from traditional regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile source strategies, and reductions from federal sources, which include aircraft, locomotives, and ocean-going vessels. These strategies are to be implemented in partnership with the CARB and USEPA.

The AQMP also incorporates the transportation strategy and transportation control measures from the SCAG 2016–2040 RTP/SCS Plan. Pursuant to California Health and Safety Code Section 40460, SCAG has the responsibility of preparing and approving the portions of the AQMP relating to the regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies.

SCAG is required by law to ensure that transportation activities "conform" to, and are supportive of, the goals of regional and state air quality plans to attain the NAAQS. The RTP/SCS includes transportation programs, measures, and strategies generally designed to reduce vehicle miles traveled (VMT), which are contained in the AQMP. The SCAQMD combines its portion of the AQMP with those prepared by SCAG. The RTP/SCS and Transportation Control Measures, included as Appendix IV-C of the 2016 AQMP for the SCAB, are based on the 2016-2040 RTP/SCS.

On September 3, 2020, SCAG's Regional Council adopted the 2020–2045 RTP/SCS. The 2020–2045 RTP/SCS was determined to conform to the federally-mandated SIP, for the attainment and maintenance of NAAQS standards. CARB accepted SCAG's determination that the SCS met the applicable State GHG emissions targets. The 2020–2045 RTP/SCS will be incorporated into the forthcoming 2022 AQMP.

SCAQMD Air Quality Guidance Documents. The SCAQMD published the CEQA Air Quality Handbook (approved by the SCAQMD Governing Board in 1993) to provide local governments with guidance for analyzing and mitigating project-specific air quality impacts. The CEQA Air Quality Handbook provides standards, methodologies, and procedures for conducting air quality analyses. However, the SCAQMD is currently in the process of replacing the CEQA Air Quality Handbook with the Air Quality Analysis Guidance Handbook. While this process is underway, the SCAQMD has provided supplemental guidance on the SCAQMD website.

The SCAQMD has published a guidance document called the Final Localized Significance Threshold Methodology for CEQA evaluations that is intended to provide guidance when evaluating the localized effects from mass emissions during the construction or operation of a project. The SCAQMD adopted additional guidance regarding $PM_{2.5}$ emissions in a document called Final Methodology to Calculate Particulate Matter $(PM)_{2.5}$ and $PM_{2.5}$ Significance Thresholds. The latter document has been incorporated by the SCAQMD into its CEQA significance thresholds and Final Localized Significance Threshold Methodology.

SCAQMD Rules and Regulations. The SCAQMD has published a Rule Book to regulate sources of air pollution in the SCAB and to help achieve air quality standards for land use development projects, which include, but are not limited to the following:

- Regulation IV – Prohibitions: This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air emissions, fuel contaminants, start-up/shutdown exemptions, and breakdown events. The following is a list of rules which apply to the project:

    - Rule 401 – Visible Emissions: This rule states that a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart or of such opacity as to obscure an observer's view.

    - Rule 402 – Nuisance: This rule states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

    - Rule 403 – Fugitive Dust: This rule requires projects to prevent, reduce or mitigate fugitive dust emissions from a site. Rule 403 restricts visible fugitive dust to the project property line, restricts the net PM_{10} emissions to less than 50 micrograms per cubic meter ($\mu g/m_3$), and restricts the tracking out of bulk materials onto public roads. Additionally, projects must utilize one or more of the best available control measures (identified in the tables within the rule). Measures include adding freeboard to haul vehicles, covering loose material

on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, a contingency plan may be required if deemed necessary.

- Regulation XIV – Toxics and Other Non-Criteria Pollutants: Regulation XIV sets requirements for new permit units, relocations, or modifications to existing permit units that emit toxic air contaminants or other non-criteria pollutants. The following is a list of rules which may apply to the project:

    - Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities: This rule requires owners and operators of any demolition or renovation activity and the associated disturbance of asbestos-containing materials, any asbestos storage facility, or any active waste disposal site to implement work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of asbestos-containing materials.

5.4 Local

Los Angeles General Plan. Local jurisdictions, such as the City, have the authority and responsibility to reduce air pollution through their land use decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. In general, the City of Los Angeles' General Plan (including the Framework, Air Quality, Mobility 2035, and Plan for a Healthy Los Angeles [or Health and Wellness] Elements) and the City of Los Angeles' Green New Deal (Sustainable pLAn 2019) contain policies and programs for the protection of the environment and health through improved air quality. These serve to provide additional critical guidance for the betterment of public health for the region and City.

Air Quality Element. The most directly-related of those plans, the City's General Plan Air Quality Element, was adopted on November 24, 1992, and sets forth the goals, objectives, and policies which guide the City in the implementation of its air quality improvement programs and strategies. A number of these goals, objectives, and policies related to land use development and traffic mobility, minimizing particulate emissions from construction activities, discouraging single-occupancy vehicle trips, managing traffic congestion during peak hours, and increasing energy efficiency in City facilities and private developments.

Transportation Control Measures. The City is also responsible for the implementation of transportation control measures as outlined in the AQMP. The City can fund infrastructure that contributes to improved air quality through capital improvement programs. Following CEQA requirements and the CEQA review process, the City assesses the air quality impacts of projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation measures.

Plan for a Healthy Los Angeles. The Plan for a Healthy Los Angeles, adopted by the City Council on March 31, 2015, lays the foundation to create healthier communities for all residents in the City. As an element of the General Plan, it provides a high-level policy vision, along with measurable objectives and implementation programs, to elevate health as a priority for the City's future growth and development. With a focus on public health and safety, the Plan for a Healthy Los Angeles provides a roadmap for addressing the most basic and essential quality-of-life issues: safe neighborhoods, a clean environment (i.e., improved ambient and indoor air quality), the opportunity to thrive, and access to health services, affordable housing, and healthy and sustainably produced food.

6.0 IMPACT ANALYSIS

6.1 CEQA Analysis

6.1.1 CEQA Thresholds of Significance

According to the Environmental Checklist in Appendix G of the CEQA Guidelines, a project may have a significant environmental impact related to Air Quality if it would:

- AQ-1: Conflict with or obstruct implementation of the applicable air quality plan;
- AQ-2: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard;
- AQ-3: Expose sensitive receptors to substantial pollutant concentrations; and/or,
- AQ-4: Result in other emission (such as those leading to odors) adversely affecting a substantial number of people.

To address the Initial Study Checklist questions in Appendix G of the CEQA Guidelines, the L.A. CEQA Thresholds Guide suggests that, where available, the significance criteria established by the SCAQMD may be relied upon to make the impact determinations. The SCAQMD has developed Air Quality Significance Thresholds that are applicable to CEQA projects within its jurisdiction that were originally published in its 1993 CEQA Air Quality Handbook and have since been updated through guidance available on the agency's web portal. The SCAQMD Air Quality Significance Thresholds are shown in Table 3.

Table 3 SCAQMD Air Quality Significance Thresholds

Mass Daily Thresholds[a]		
Pollutant	**Construction (lbs./day)[b]**	**Operation (lbs./day)[c]**
Volatile Organic Compounds (VOC)	75	55
Nitrogen Oxides (NO_X)	100	55
Carbon Monoxide (CO)	550	550
Sulfur Oxides (SO_X)	150	150
Particulates (PM_{10})	150	150
Fine Particulates ($PM_{2.5}$)	55	55
Lead (Pb)	3	3
Toxic Air Contaminants (TACS), Odor, AND GHG Thresholds		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million (1×10^{-5}) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates odor nuisance pursuant to SCAQMD Rule 402	
GHG Emissions	10,000 MT/year CO_2e for industrial facilities	
Ambient Air Quality Standards for Criteria Pollutants[d]		
NO_2 1-hour average Annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following standards: 0.18 ppm (state) 0.03 ppm (state) and 0.0534 ppm (federal)	
PM_{10} 24-hour average Annual arithmetic mean	10.4 µg/m^3 (construction)[e] & 2.5 µg/m^3 (operation) 1.0 µg/m^3	
$PM_{2.5}$ 24-hour average	10.4 µg/m^3 (construction) & 2.5 µg/m^3 (operation)	
SO_2 1-hour average 24-hour average	0.25 ppm (state) & 0.075 ppm (federal – 99th percentile) 0.04 ppm (state)	
Sulfate 24-hour average	25 µg/m^3 (state)	
CO 1-hour average 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	
Lead 30-day average Rolling 3-month average	1.5 µg/m^3 (state) 0.15 µg/m^3 (federal)	

/a/ Source: SCAQMD CEQA Air Quality Handbook (SCAQMD, 1993)
/b/ Construction thresholds apply to both the South Coast Air Basin and Coachella Valley.
/c/ For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.
/d/ Ambient air quality thresholds based on SCAQMD Rule 1303, Table A-2 unless otherwise noted.
/e/ Ambient air quality threshold based on SCAQMD Rule 403.
KEY: lbs./day = pounds per day; ppm = parts per million; µg/m^3 = micrograms per cubic meter; MT/year CO_2e = metric tons per year of CO_2 equivalents
SOURCE: SCAQMD, April 2019.

As presented in Table 3, the SCAQMD established separate Air Quality Significance Thresholds for mass daily emissions of O_3 precursors and criteria pollutants expressed in pounds per day (lbs/day) during construction and operation of proposed CEQA projects. These threshold screening values apply to the sum of daily pollutant emissions from all sources involved in construction and operation of CEQA projects and are referred to as regional thresholds as they capture all emissions within the SCAB. In its 2006 CEQA Thresholds Guide, the City relied on the SCAQMD CEQA Air Quality Handbook assessment methodologies and Air Quality Significance Thresholds to assist in describing the preferred approach to evaluating project impacts.[11] The City's thresholds guide reprints and expounds upon portions of the SCAQMD CEQA Air Quality Handbook and specifically addresses how to evaluate construction emissions, operational emissions, and TAC emissions. However, the City ultimately relies on the quantitative mass daily thresholds established by the SCAQMD as screening criteria for impact significance.

The SCAQMD has also promulgated a localized significance threshold (LST) methodology to assess potential detriments to air quality at sensitive receptor locations near CEQA project sites based on the ambient air quality standards for criteria pollutants shown in the bottom portion of Table 3.[12] The LST methodology is more refined than the regional mass daily thresholds in that it only applies to sources of air pollutant emissions located within the project site and involves mass daily screening values that are specific to the Source Receptor Area (SRA) in which the project site is located. The SCAQMD has divided its jurisdiction into 38 SRAs based on the concentrations of air pollutants measured at historical locations of air monitoring stations throughout the SCAB, as well as local topography and meteorological patterns. The project site is located in SRA 12 – South Central Los Angeles County, as described in *Section 4.2.1, Existing Local Air Quality*. Table 4 presents the LST screening values for daily emissions generated by construction activities of CEQA projects within SRA 12 corresponding to a one-acre daily disturbance area and sensitive receptors within 25 meters of the site boundary, as well as operational emissions from a five-acre site.[13,14]

Table 4: SRA 12 Localized Significance Threshold Screening Values

Pollutant	CO	NO_X	PM_{10}	$PM_{2.5}$
CONSTRUCTION				
Localized Threshold (lbs/day)	231	46	4	3
OPERATION				
Localized Threshold (lbs/day)	630	98	4	2
Source: SCAQMD, 2009.				

[11]City of Los Angeles, L.A. CEQA Thresholds Guide, 2006.
[12]SCAQMD, Final Localized Significance Threshold Methodology, Revised July 2008.
[13]SCAQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, 2013.
[14]SCAQMD, Final Localized Significance Threshold Methodology Appendix C – Localized Significance Threshold Screening Tables, Revised October 2009.

6.1.2 CEQA Impacts Assessment Methodology

The air quality impact analysis focuses on the potential changes in the air quality environment due to implementation of the project. The analysis of potential air quality impacts was prepared following guidance from the SCAQMD CEQA Air Quality Handbook and the L.A. CEQA Thresholds Guide. Although SCAQMD is responsible for regional air quality planning efforts, it does not have the authority to directly regulate the air quality issues associated with projects within the SCAB, such as the proposed project. Instead, SCAQMD published the CEQA Air Quality Handbook to assist lead agencies, as well as consultants, project proponents, and other interested parties, in evaluating potential air quality impacts of projects proposed in the SCAB. The City's L.A. CEQA Thresholds Guide was published in 2006 and incorporates elements of the SCAQMD CEQA Air Quality Handbook in the section on Air Quality.

The assessment of potential impacts to regional and local air quality as a result of project implementation addresses both temporary emissions associated with construction activities, as well as long-term operational emissions. Emissions are generally quantified daily and expressed in terms of pounds per day (lbs/day) for comparison to the SCAQMD mass daily thresholds and LST screening values. Also addressed are TAC emissions in accordance with the L.A. CEQA Thresholds Guide. Detailed emissions modeling files can be found in Attachment A. Specific methodologies used to evaluate these emissions are discussed below.

6.1.2.1 Construction

The construction of the proposed project is tentatively anticipated to begin no earlier than the summer of 2024 and would take approximately two years to complete. The project's "regional" emissions refer to emissions that will be evaluated based on regional significance thresholds established by SCAQMD, as discussed above. Daily regional emissions during construction are estimated by assuming a conservative estimate of construction activities (i.e., assuming all construction occurs at the earliest feasible date) and applying mobile source and fugitive dust emissions factors compiled from the available USEPA and CARB emission estimation tools. The emissions are quantified using CalEEMod (Version 2020.4.0) software, an emissions inventory software program recommended by the SCAQMD.[15] The CalEEMod model was developed for the California Air Pollution Control Officers Association (CAPCOA) in collaboration with SCAQMD and received input from other California air districts and is currently used by numerous lead agencies in the Los Angeles area and within the state for quantifying the emissions associated with development projects undergoing environmental review, including by the City of Los Angeles.

The CalEEMod database is populated with outputs from the CARB Off-Road Emissions Inventory Program (OFFROAD) and on-road EMission FACtor (EMFAC) emissions estimation models which are used to calculate emissions from construction activities,

[15]CAPCOA, California Emissions Estimator Model (Version 2020.4.0) User's Guide, May 2021.

including off- and on-road vehicles, respectively. CalEEMod also relies upon known emissions data associated with certain activities or equipment (often referred to as "default" data, values or factors) that can be used if site-specific information is not available. CalEEMod contains default values to use in each specific local air district region. Appropriate statewide default values can be used if regional default values are not defined.

The input values used in this analysis were adjusted to be specific to the proposed project based on equipment types and the construction schedules of recently implemented transit maintenance facilities within the City. These values were then applied to the construction phasing assumptions used in the criteria pollutant analysis to generate criteria pollutant emissions values for each construction activity. Construction of the proposed project would generally involve the following phases: (1) demolition of the existing warehouse structures and paved ground surfaces on the project site and removal of demolition debris, (2) clearing of the site to prepare for grading and paving, (3) grading and leveling the site, (4) paving, (5) building construction and equipment installation, and (6) finishing, painting, and landscaping. To be conservative, this analysis evaluates the Project's air quality impacts during construction based on reasonably expected maximum construction emissions even though such emissions would not occur throughout the entire construction phase. Detailed construction equipment lists, construction scheduling, and emissions calculations are provided in Attachment A.

Construction activities would generate emissions from off-road equipment usage, on-road vehicle travel (truck hauling, vendor deliveries, and workers commuting), architectural coating, and paving. The Project's construction emissions were calculated using the SCAQMD recommended CalEEMod (Version 2020.4.0). Table 5 provides an overview of the sources of air pollutant emissions that are accounted for in CalEEMod during construction. CalEEMod default values were used for equipment and vehicle emission factors, equipment load factors, and vehicle trip lengths. Since the majority of off-road equipment used for construction projects are diesel-fueled, CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment inventories were provided by the Applicant for each phase of construction, and default average equipment horsepower and load factors from the statewide inventory were used to estimate daily emissions.

CalEEMod also estimates fugitive dust emissions associated with construction equipment use in grading activities, demolition debris truck loading, and excavated soil truck loading. As recommended by the SCAQMD, the fugitive dust emissions (PM_{10} and $PM_{2.5}$) from grading and leveling activities are calculating using the methodology described in USEPA AP-42. Detailed equations used to estimate fugitive dust emissions associated with various equipment types—as well as demolition dust and haul truck loading of debris and excavated soil—can be found in Section 4.3 and Section 4.4 of the technical calculation appendix to the CalEEMod User's Guide.[16]

[16]California Air Pollution Control Officers Association (CAPCOA), California Emissions Estimator Model (CalEEMod) Version 2020.4.0 User's Guide Appendix A – Calculation Details for CalEEMod, May 2021.

Table 5: CalEEMod Construction Sources

Phase(s)	Activity	Source(s)	Pollutants
All Phases	Off-Road Equipment Use	Engine Exhaust	VOC, NO_X, CO, SO_X, PM_{10}, $PM_{2.5}$
All Phases	On-Road Vehicle Trips	Engine Exhaust	VOC, NO_X, CO, SO_X, PM_{10}, $PM_{2.5}$
All Phases	On-Road Vehicle Trips	Engine Evaporative Losses	VOC
All Phases	On-Road Vehicle Trips	Brake & Tire Wear	PM_{10}, $PM_{2.5}$
All Phases	On-Road Vehicle Trips	Re-Entrained Road Dust	PM_{10}, $PM_{2.5}$
Demolition	Mechanical Pulverization	Demolition Debris Dust	PM_{10}, $PM_{2.5}$
Demolition, Excavation	Truck Loading	Fugitive Dust	PM_{10}, $PM_{2.5}$
Site Clearing, Grading	Ground Disturbance	Fugitive Dust (Dozers/Graders)	PM_{10}, $PM_{2.5}$
Building Construction	Architectural Coating	Off-Gassing (Evaporation)	VOC
Building Construction	Paving	Off-Gassing (Evaporation)	VOC

SOURCE: CAPCOA, 2017.

Additionally, construction activities generate air pollutant emissions from on-road vehicle exhaust and evaporative and dust emissions from personal vehicles for worker commuting, vendor deliveries of equipment and materials, and trucks for soil and debris hauling. These emissions are based on the number of trips and the vehicle miles traveled (VMT), along with emission factors from EMFAC2017, the CARB on-road mobile source emissions model. CalEEMod estimates running exhaust emissions, running evaporative loss VOC emissions, and PM emissions from tire and brake wear as well as entrained road dust.

The CalEEMod program contains default trip lengths for workers, vendors, and material hauling based on regional survey data. The EMFAC2017 mobile source emission rates are built into the program as well. Running exhaust is the primary mobile source of VOC, NO_X, CO, and SO_2 emissions associated with vehicle travel. Vehicle trip PM_{10} and $PM_{2.5}$ emissions are predominantly attributed to particulate matter generated by degradation of brakes and tires on the road surface, with running exhaust being a secondary contributor to total mobile source emissions. Detailed equations used for calculating PM_{10} and $PM_{2.5}$ emissions associated with brake and tire wear—as well as re-entrained dust from paved road travel—can be found in the CalEEMod technical appendix.[17]

[17]California Air Pollution Control Officers Association (CAPCOA), California Emissions Estimator Model (CalEEMod) Version 2020.4.0 User's Guide Appendix A – Calculation Details for CalEEMod, May 2021.

6.1.2.2 Operations

Analysis of the proposed project's impact on regional air quality during long-term operations (i.e., after construction is complete) takes into consideration four types of sources: (1) area; (2) energy; (3) mobile; and (4) stationary. Area source emissions are generated by, among other things, landscaping and other equipment and the use of chemically formulated consumer products. Energy source emissions are generated as a result of activities in buildings for which natural gas is used (e.g., heating). Mobile source emissions are generated by the increase in motor vehicle trips to and from the proposed project site associated with routine operations. The Transportation/Traffic Impact Analysis for the proposed project (Parsons, 2021) determined that daily operations would generate approximately 759 vehicle trips at the new EBMF location and that existing operations at the LADOT South Los Angeles Bus Maintenance Facility produce 669 vehicle trips. For the purposes of satisfying CEQA requirements, operational emissions were quantified and compared to a baseline of zero as there are no active uses currently existing on the project site.

CalEEMod (Version 2020.4.0) was used to estimate the mass daily emissions that would occur during the future operation of the proposed project following the completion of construction activities. Proposed project facilities were generally characterized as an industrial park, and default mobile vehicle trip rates were replaced with the trip generation estimated by the Transportation/Traffic Impact Analysis. Area source emissions are based on natural gas (building heating and water heaters), landscaping equipment, and consumer product usage (including paints) rates provided in CalEEMod. Consumer products are chemically formulated products used by household and institutional consumers—such as detergents, cleaning compounds, polishes, floor finishes, personal care products, disinfectants, and sanitizers—but do not include other paint products, furniture coatings, or architectural coatings. Natural gas usage factors in CalEEMod are based on the California Energy Commission *California Commercial End Use Survey* data set, which provides energy demand by building type and climate zone. Refer to Attachment A for the detailed CalEEMod output files that provide an inventory of the operational emissions sources accounted for in the analysis.

6.1.2.3 Toxic Air Contaminant Emissions

In addition to criteria pollutants and O_3 precursors, the Air Quality impacts assessment evaluated potential exposures of sensitive receptors surrounding the project site to TAC emissions that would be generated during the construction and operation of the proposed project. While the regional and localized screening threshold values presented in Table 3 and Table 4 are used to determine whether emissions of O_3 precursors and criteria pollutants could result in regional or localized impacts, respectively, the screening values do not comprehensively address the SCAQMD thresholds of significance for sensitive receptor exposures to TAC concentrations resulting from implementation of CEQA projects. The SCAQMD has not established a mass daily screening threshold for TAC emissions as they did for NO_X, CO, PM_{10}, and $PM_{2.5}$. However, a project could result in a potentially significant air quality impact if TAC emissions resulted in carcinogenic or non-carcinogenic exposures to sensitive receptors that met or exceeded an incremental

increase of 10 excess cancers per million or a Hazard Index of 1.0, respectively, as identified in Table 3.

Construction of the proposed project would produce TAC emissions in the exhaust of diesel-fueled internal combustion engines that power heavy-duty off-road equipment and on-road material hauling trucks, predominantly in the form of diesel PM. Due to the proximity of sensitive land uses that are practically adjacent to the boundary of the proposed project site, a construction health risk assessment (HRA) was prepared to assess potential exposures of nearby residential and school receptors to diesel PM concentrations generated by the exhaust of heavy-duty off-road diesel equipment that would be used to construct the proposed project. In the case of the on-road mobile source emissions from diesel trucks involved in construction of the proposed project, a vast majority of exhaust emissions would occur along the hauling routes to and from the disposal and vendor distribution sites. Furthermore, the trucks would be prohibited from extended idling in excess of five minutes at any particular location in accordance with CARB ATCM 2485. Based on these circumstances, diesel PM emissions from on-road material hauling trucks would contribute negligibly to carcinogenic risks and non-carcinogenic hazards at sensitive receptor locations during construction of the proposed project.

An inhalation-pathway HRA was prepared to address maximum potential TAC exposures at sensitive receptor locations surrounding the proposed project site in accordance with the 2015 Office of Environmental Health Hazard Assessment (OEHHA) guidelines.[18] The HRA also relied on air dispersion modeling recommendations established by the SCAQMD in their LST methodology document.[19] The HRA is prepared using a two-step methodology that first involves the simulation of pollutant concentrations in ambient air resulting from emissions generated by the construction of the proposed project. This task requires that an average diesel PM emission rate be calculated for days on which construction would be occurring using the "Exhaust PM_{10}" emissions from the "Off-Road" source category in the daily CalEEMod output file, which represent diesel PM emissions from equipment sources located on the project site. This was accomplished by multiplying the daily "Exhaust PM_{10}" emissions during each construction activity by the number of days the activity would be ongoing, summing the total diesel PM emissions over the course of proposed project construction for all activities, and then dividing by the number of total workdays to estimate an average pounds per workday emission rate (lbs./workday). This value was then converted to units of grams per second (g/s) during the active construction hours of the day for input to the air dispersion modeling program.

Following preferred industry practice, the HRA used the Gaussian-plume air dispersion model AERMOD to simulate diesel PM concentrations that would result at surrounding sensitive receptor locations from the use of off-road equipment during the proposed project construction. A grid array of 192 cubic volume sources was organized using side

[18]OEHHA, Air Toxics Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments, February 2015.
[19]SCAQMD, Final Localized Significance Threshold Methodology, Revised July 2008.

lengths of 10 meters to cover the approximate area that equipment would be operating within during construction activities, as shown in Figure 5 below.

Figure 5 Health Risk Assessment AERMOD Sources and Receptors



In accordance with SCAQMD guidance, all volume sources were assigned a release height of 5 meters and an initial vertical dimension of 1.4 meters to characterize plume rise emanating out of equipment exhaust stacks. The calculated emission rate in g/s was divided by 192 and assigned to each of the volume sources within AERMOD. A variable emission rate was assigned that corresponded to the hours construction equipment use could be occurring, and all other hours of the week were assigned an emission rate of zero.

Once the source group was defined for the construction site, networks of discrete receptors were placed at no more than 10-meter spacing throughout the surrounding residential neighborhoods and on the middle school property. Topographical datasets were obtained through the AERMOD program and meteorological data from the nearby Hawthorne Airport approximately 4.2 miles west of the project site was input to the model. An AERMOD run was performed to estimate the maximum annual average concentration of diesel PM at all receptors. For the school site exposures, an adjustment factor of 4.2 was applied to the annual average concentration to estimate the concentrations of diesel

PM that would occur during the day when school sessions would overlap with construction activities in accordance with OEHHA guidance.

The second step of the HRA involves the dose and risk calculations based on concentrations of pollutants modeled in AERMOD. Results of the air dispersion modeling portion of the construction HRA—expressed in concentration units of micrograms per cubic meter (g/m^3) for diesel PM—were used to estimate the incremental increase in ambient carcinogenic risk resulting from continuous exposure at the maximally exposed individual receptor (MEIR) location, as well as recurring exposure to school receptors. The daily dose inhaled is calculated by the following equation:

$$\textbf{Dose-air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

Where:

Dose-air	=	*Daily inhalation dose (mg/kg/day)*
C_{air}	=	*Concentration in air ($\mu g/m^3$)*
{BR/BW}	=	*Daily breathing rate or eight-hour breathing rate normalized to body weight (L/kg-day)*
A	=	*Inhalation absorption factor (unitless) [1.0]*
EF	=	*Exposure frequency (unitless), # days/365 days [350 for residential, 180 for school receptors]*

Using the estimated daily dose, the cumulative excess carcinogenic risk is calculated as follows:

$$\textbf{Cancer Risk} = \textbf{Dose-air} \times \textbf{CPF} \times \textbf{ASF} \times \textbf{ED/AT} \times \textbf{FAH}$$

Where:

Cancer Risk	=	*Incremental increase in excess cancer risk (per million)*
Dose-air	=	*Daily inhalation dose (mg/kg/day)*
CPF	=	*Inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)*
ASF	=	*Age sensitivity factor for a specified age group (unitless) [3.0 for children aged 2–16, and 1.0 for adults]*
ED	=	*Exposure duration for a specified age group (years)*
AT	=	*Averaging time for lifetime cancer risk (years) [70 years]*
FAH	=	*Fraction of Time at Home*

Cumulative carcinogenic exposures during the two-year construction period for the proposed project were conservatively estimated for residential and school receptors assuming continuous exposure at the receptor location with the highest modeled concentration of diesel PM. This approach likely overestimated potential exposures by a substantial margin; however, it is also the most protective of public health and consistent with preferred regulatory methodologies. Detailed modeling files can be found in Attachment A.

Regarding operational TAC emissions, the implementation of the proposed project would not introduce a substantial source of TAC emissions to the project area. CARB published the *Air Quality and Land Use Handbook* (CARB Handbook) on April 28, 2005, to serve as a general guide for considering health effects associated with siting sensitive receptors proximate to sources of TAC emissions.[20] The goal of the guidance document is to protect sensitive receptors, such as children, the elderly, acutely ill, and chronically ill persons, from exposure to TAC emissions. Some examples of CARB's siting recommendations include the following: (1) avoid siting sensitive receptors within 500 feet of a freeway, urban road with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day; (2) avoid siting sensitive receptors within 1,000 feet of a distribution center; and (3) avoid siting sensitive receptors within 300 feet of any dry cleaning operation using perchloroethylene and within 500 feet of operations with two or more machines. The operation of the proposed project would not constitute a significant risk facility, examples of which include landfills, paint booths, refineries, and oil production facilities, among others.

6.1.3 Analysis of Project Impacts

Using the Initial Study Checklist questions in Appendix G of the CEQA Guidelines and the City's Thresholds supplemented by the SCAQMD Air Quality Significance Thresholds, Project impacts are analyzed for significance as follows:

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Reference: L.A. CEQA Thresholds Guide (2006) (Section B – Air Quality); State CEQA Guidelines – Appendix G (2021); City of Los Angeles General Plan, including Southeast Los Angeles Community Plan; SCAQMD CEQA Air Quality Handbook; SCAG 2016–2040 RTP/SCS (2016) and Connect SoCal 2020–2045 RTP/SCS (2020).

Comment: The following analysis addresses the project's consistency with applicable SCAQMD and SCAG policies, inclusive of regulatory compliance. In accordance with the procedures established in SCAQMD's CEQA Air Quality Handbook, the impact discussion addresses the following criteria to determine whether the project is consistent with applicable SCAQMD and SCAG planning objectives:

[20]CARB, Air Quality and Land Use Handbook: A Community Health Perspective, April 2005.

1) Would the project create any impacts related to air quality violations, such as:
    - An increase in the frequency or severity of existing air quality violations;
    - Causing or contributing to new air quality violations; or,
    - Delaying timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
2) Would the project exceed the assumptions utilized in preparing the AQMP:
    - Is the project consistent with the population and employment growth projections upon which AQMP forecasted emission levels are based;
    - Does the project incorporate mitigation measures to reduce potentially significant impacts; and/or
    - To what extent is project development consistent with the AQMP land use policies and control measures?

In order to be found consistent, the analysis will need to demonstrate that the project's emissions will not increase the frequency or the severity of existing violations or contribute to a new violation at the project. The violations that are referred to are the state and federal criteria pollutant ambient air quality standards. The L.A. CEQA Thresholds Guide recommends using the mass daily thresholds established by the SCAQMD to address this criterion. Consistency with the AQMP assumptions is determined by performing an analysis of the project with the assumptions in the AQMP for the horizon year of the implementation timeline. The L.A. CEQA Thresholds Guide included land use size screening values that have since been deemed obsolete for CEQA analyses.

Less than significant impact. The SCAQMD acknowledged in its CEQA Air Quality Handbook that, "only new or amended General Plan Elements, Specific Plans, and significant projects need to undergo a consistency review. This is because the AQMP control strategy is based on projections from local General Plans. As such, projects consistent with local General Plans are considered consistent with the air quality related regional plans." Based on the nature of the proposed project being a transit infrastructure support facility, this analysis focused on whether the proposed project would be considered a significant project using a comparison to the SCAQMD mass daily screening thresholds.

Criterion 1: Air Quality Violations

Air quality violations occur when facilities are out of compliance with applicable SCAQMD rule requirements, permit conditions, or legal requirements, or with applicable state or federal air pollution regulations. The regional and localized air quality significance thresholds were designed as a screening tool to avoid the potential occurrence and exacerbation of air quality violations resulting from construction and operation of individual CEQA projects based on the designation of emissions sources warranting advanced permitting and regulation. Implementation of the proposed project would not introduce a new permanent, stationary source of air pollutant emissions that would constitute a facility capable of contributing to air quality violations.

Construction. Air quality violations are determined by an SCAQMD Air Quality Inspector when a business is out of compliance with applicable SCAQMD rule requirements, permit conditions, or legal requirements, or with applicable state or federal air pollution regulations. Air quality violations typically involve large industrial facilities that emit vast quantities of regulated pollutants and are not common among typical land use development projects. Construction of the proposed project would be conducted in accordance with SCAQMD Regulation IV, Rule 401 (Visible Emissions) and Rule 403 (Fugitive Dust), and CARB ATCM 2485 (Vehicle and Equipment Idling) (SC-AQ-1). The application of water as a dust suppressant to material stockpiles and disturbed ground areas would reduce fugitive dust emissions during construction activities by approximately 61 percent. All construction equipment and vehicles would be maintained and operated within manufacturer specifications to limit unnecessary emissions during use, and any vehicles traveling on unpaved surfaces would be required to limit their speed to 15 miles per hour or less. The construction of the proposed project would not have the potential to obstruct or conflict with the implementation of the 2016 AQMP in the context of SCAQMD rule requirements.

Estimates of maximum daily air pollutant emissions that would be generated by construction activities can be used to demonstrate that the proposed project would not exacerbate the frequency or severity of existing air quality violations. Table 6 presents the maximum daily emissions that would be generated by sources involved in each phase of construction of the proposed project. The analyses at the bottom of the table address both regional and localized mass daily quantities of emissions. The results of the mass daily emissions analysis demonstrate that the construction of the proposed project would not have the potential to exacerbate the frequency or severity of air quality violations occurring within the City or the SCAB. Therefore, the construction of the proposed project would result in a less than significant impact and would not conflict with or obstruct the implementation of the AQMP with regard to air quality violations.

Table 6: Proposed Project Construction Emissions

Construction Activity	Maximum Daily Emissions (Pounds Per Day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
DEMOLITION & DEBRIS REMOVAL						
On-Site Emissions	0.8	6.7	11.9	<0.1	1.6	0.5
Off-Site Emissions	0.1	3.3	1.5	<0.1	0.7	0.2
Daily Total	***0.9***	***10.0***	***13.4***	***<0.1***	***2.3***	***0.7***
SITE PREPARATION						
On-Site Emissions	1.1	10.2	10.9	<0.1	1.8	1.1
Off-Site Emissions	0.1	0.1	1.2	<0.1	0.5	0.1
Daily Total	***1.2***	***10.3***	***12.2***	***<0.1***	***2.3***	***1.2***
GRADING						
On-Site Emissions	1.0	9.9	10.6	<0.1	1.8	1.1
Off-Site Emissions	0.1	0.1	1.2	<0.1	0.5	0.1
Daily Total	***1.1***	***10.0***	***11.9***	***<0.1***	***2.3***	***1.2***
PAVING						
On-Site Emissions	1.0	7.1	11.0	<0.1	0.4	0.3
Off-Site Emissions	0.1	0.5	1.4	<0.1	0.5	0.1
Daily Total	***1.1***	***7.6***	***12.4***	***<0.1***	***0.9***	***0.5***
BUILDING CONSTRUCTION + FINISHING + LANDSCAPING						
On-Site Emissions	14.7	12.9	19.5	<0.1	0.5	0.5
Off-Site Emissions	0.3	0.8	3.0	<0.1	1.2	0.3
Daily Total	***15.0***	***13.8***	***22.5***	***<0.1***	***1.7***	***0.8***
REGIONAL ANALYSIS						
Maximum Regional Emissions	**15.0**	**13.8**	**22.5**	**<0.1**	**2.3**	**1.2**
SCAQMD Regional Threshold	75	100	550	150	150	55
Regional Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
LOCALIZED ANALYSIS						
Maximum Localized Emissions	**14.7**	**12.9**	**19.5**	**<0.1**	**1.8**	**1.1**
Localized Significance Threshold/a/	-	46	231	-	4	3
Localized Threshold Exceeded?	***-***	***No***	***No***	***-***	***No***	***No***

/a/ LST screening values correspond to an SRA 12 construction site with one acre daily disturbance and receptors within 25 meters.

Emissions modeling files can be found in **Attachment A**.

Source: TAHA, 2021.

Operations. Future long-term operation of the proposed project would involve similar activities to those presently occurring at the LADOT South Los Angeles Bus Maintenance Facility, with the exception that the planned bus fleet would be entirely electric whereas the existing bus fleet is predominately comprised of vehicles powered by compressed natural gas (CNG) and propane. The proposed project is anticipated to begin operations sometime in 2026, and the primary sources of air pollutant emissions would include vehicle trips commuting to and from the EBMF, area sources such as landscaping and consumer products emissions, and energy source emissions from natural gas combustion. Table 7 presents the daily air pollutant emissions that would be generated by the operation of the proposed project and compares them to the SCAQMD mass daily screening thresholds. As shown, operational emissions of criteria pollutants and O_3 precursors would remain substantially below all applicable SCAQMD screening values. Therefore, the operation of the proposed project would not conflict with the implementation of the 2016 AQMP and would result in a less than significant impact related to air quality violations.

Table 7: Proposed Project Operations Emissions

Operational Source	Maximum Daily Emissions (Pounds Per Day)					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Area Sources	1.5	<0.1	<0.1	<0.1	<0.1	<0.1
Energy Sources	<0.1	0.2	0.2	<0.1	<0.1	<0.1
Mobile Sources	2.0	2.1	19.3	<0.1	4.8	1.3
REGIONAL ANALYSIS						
Daily Operational Emissions	**3.5**	**2.3**	**19.5**	**<0.1**	**4.9**	**1.3**
SCAQMD Regional Threshold	55	55	550	150	150	55
Regional Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
LOCALIZED ANALYSIS						
Daily On-Site Emissions	**1.5**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**
SCAQMD Localized Threshold	-	630	98	-	4	2
Localized Threshold Exceeded?	**-**	***No***	***No***	**-**	***No***	***No***

Emissions modeling files can be found in Attachment A.
Source: TAHA, 2021.

Criterion 2: AQMP Assumptions

With respect to the second criterion for determining consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2016–2040 RTP/SCS regarding population, housing, and growth trends. Determining whether or not a project exceeds the assumptions reflected in the AQMP involves the evaluation of three criteria: (1) consistency with applicable population, housing, and employment growth projections; (2) adherence to AQMP mitigation measures; and (3) appropriate incorporation of AQMP land use planning strategies.

A project is consistent with the AQMP, in part, if it is consistent with the population, housing, and employment assumptions that were used in the development of the AQMP. In the case of the 2016 AQMP, two sources of data form the basis for the projections of air pollutant emissions: the City of Los Angeles General Plan and SCAG's 2016–2040 RTP/SCS. The SCAQMD Air Quality Handbook recognizes that if a project is consistent with the local General Plan, then it would not conflict with the implementation of the AQMP.

Construction. The construction of the proposed project would result in increased employment opportunities in the construction industry. However, it is not likely that construction workers would relocate their households as a result of their employment associated with construction. The construction industry differs from other employment sectors in that many construction workers are highly specialized and move from job site to job site as dictated by the demand for their skills, and they remain at a job site for only the timeframe in which their specific skills are needed to complete a particular phase of the construction process. Furthermore, the construction workers employed for project construction would likely be taken from the labor pool currently residing in the City and the surrounding communities. Thus, the construction phase of the Project would be temporary, lasting for approximately 24 months, and would not create permanent growth in population, housing, or employment within the City or SCAQMD jurisdiction. Therefore, the construction of the Project would have no impact on regional growth projections accounted for in SCAQMD and SCAG plans.

Additionally, construction activities to implement the proposed project would comply with all applicable regulatory standards (e.g., SCAQMD Rule 403, CARB ATCM 2485, etc.) and best management practices (BMPs) as required by CARB and SCAQMD (SC-AQ-1). Emissions generated during construction would not pose concerns related to air quality violations, and no project-specific mitigation measures have been identified to reduce potentially significant impacts. Therefore, the construction of the proposed project would not conflict with or obstruct the implementation of the 2016 AQMP and would result in less than significant impacts.

Operations. Operation of the proposed project would involve similar activities to those that are ongoing at the LADOT South Los Angeles Bus Maintenance Facility, although the new facility would provide additional employment opportunities. As mentioned in the Project Description, approximately 312 employees would be working onsite in staggered shifts. The Transportation/Traffic Impact Analysis determined that daily vehicle trips would increase from 669 daily trips to 759 daily trips, an increase of approximately 14 percent. With the existing 171 employees at the LADOT South Los Angeles Bus Maintenance Facility to be transferred to the proposed project, an additional 141 new employees generated by the project would not compromise the SCAG Connect SoCal growth projections for the City, which forecasts an employment increase of 287,600 between 2016 and 2045. Therefore, the operation of the proposed project would not render the underlying assumptions of the AQMP invalid.

Impacts associated with project implementation (i.e., construction and operations) would be less than significant with compliance with applicable CARB and SCAQMD Rules and Regulations (SC-AQ-1), and no mitigation is required.

Standard Conditions

SC-AQ-1: Construction and operation of the project shall comply with applicable California Air Resource Board (CARB) and South Coast Air Quality Management District (SCAQMD) Rules and Regulations, including but not limited to CARB ATCM 2485 and SCAQMD Rules 401 through 403 and 1403.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard?

Reference: L.A. CEQA Thresholds Guide (Section B – Air Quality); State CEQA Guidelines – Appendix G (2021); SCAQMD CEQA Air Quality Handbook (1993) and Air Quality Significance Thresholds (2019).

Comment: As the Los Angeles County portion of the SCAB is presently designated nonattainment of the federal or state ambient air quality standards for O_3, PM_{10}, and $PM_{2.5}$, a significant impact may occur if the proposed project would generate emissions of O_3 precursors or particulate matter in excess of the applicable SCAQMD regional and LST screening values.

Less than significant impact. As disclosed in Table 2, the City of Los Angeles lies within an area that is presently designated nonattainment of the NAAQS for O_3, $PM_{2.5}$, and Pb (pending possible reclassification to attainment) and is designated nonattainment of the CAAQS for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment designations represent an ongoing cumulative impact associated with emissions of these air pollutants within the Los Angeles County portion of the SCAB. VOC and NO_X are reactionary precursors to atmospheric O_3 formation, and therefore are of particular concern, along with PM_{10} and $PM_{2.5}$ with regards to cumulatively considerable emissions. The regional analysis of potential project impacts focuses on emissions of VOC, NO_X, PM_{10}, and $PM_{2.5}$.

The SCAQMD published guidance addressing the evaluation of potential cumulative impacts for CEQA projects. The SCAQMD asserts that if construction or operation of a project would produce maximum daily emissions exceeding the applicable project-specific thresholds, those emissions would also be considered cumulatively significant. For this reason, the SCAQMD applies the same project-level thresholds to cumulative assessments. Conversely, if the construction and operation of a project would not generate emissions of sufficient quantity to exceed any of the applicable mass daily thresholds, then that project and its associated emissions would be considered less than significant in the cumulative context.

Construction. Construction of the proposed project has the potential to create air quality impacts through O_3-precursor and particulate matter emissions generated using off-road diesel-fueled construction equipment and through vehicle trips associated with construction crews and trucks traveling to and from the construction site. As shown in Table 6, daily emissions of O_3 precursors and particulate matter would remain substantially below the applicable SCAQMD regional and LST screening values during all phases of construction. Contractors would be required to comply with the provisions of SCAQMD Regulation IV and employ BMPs to reduce fugitive dust and prevent the occurrence of visible dust plumes; and vehicle and equipment idling shall comply with CARB regulations (SC-AQ-1). Emissions of VOC, NO_X, PM_{10}, and $PM_{2.5}$ would remain below the project-level thresholds, and thus would not be considered cumulatively considerable based on SCAQMD guidance. This impact would be less than significant.

Operations. As shown in Table 7, the operation of the proposed project would not generate emissions of O_3 precursors, PM_{10}, or $PM_{2.5}$ in excess of any applicable SCAQMD regional or LST screening value. Implementation of the proposed project would not introduce a new stationary source of air pollutant emissions for which there is an ongoing cumulative air quality impact through nonattainment. Therefore, the operation of the proposed project would not result in cumulatively considerable emissions of any nonattainment pollutant or atmospheric precursor.

Impacts during construction and operations would be less than significant with compliance with applicable CARB and SCAQMD Rules and Regulations (SC-AQ-1), and no mitigation is required.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Reference: L.A. CEQA Thresholds Guide (Section B – Air Quality); State CEQA Guidelines – Appendix G (2021); SCAQMD CEQA Air Quality Handbook (1993); OEHHA Risk Assessment Guidelines (2015).

Comment: A significant impact may occur if the proposed project would result in localized concentrations of criteria air pollutants in excess of the levels identified in Table 3, or if TAC emissions would expose sensitive receptors to an incremental carcinogenic risk of 10 excess cancers per million or a Hazard Index greater than or equal to 1.0. Sensitive receptors surrounding the proposed project site are identified in Figure 4 and include the adjacent Animo James B. Taylor Charter Middle School to the east, Kedren Health Community Center and Headstart Preschool to the west, residential uses across E. 111th Place to the west, northwest, north, and northeast, and residential uses across the UPRR rail line and E. Lanzit Avenue to the southwest, south, and southeast.

Less than significant impact. Analysis of potential sensitive receptor exposures to substantial pollutant concentrations was completed based on the SCAQMD LST methodology and the OEHHA risk assessment guidelines for emissions generated during short-term construction activities and long-term operations.

Construction. Construction of the proposed project would last for approximately 24 months beginning in the summer of 2024. Sources of air pollutant emissions involved in the construction of the proposed project would include off-road equipment exhaust and fugitive dust and on-road vehicles exhaust and fugitive (evaporative and dust) emissions. Sensitive receptors surrounding the proposed project site would predominantly be exposed to pollutant levels emanating from sources located onsite, which comprise off-road equipment exhaust and fugitive dust generation. As shown in Table 6, maximum daily emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ produced by sources on the project site would remain substantially below the applicable SCAQMD LST screening values, which were derived to prevent the occurrence of substantial criteria pollutant concentrations.

Additionally, the off-road equipment fleet involved in construction activities was assumed to be comprised entirely of diesel-fueled units, which release diesel PM to the atmosphere through the exhaust stacks. An inhalation-pathway HRA was prepared to analyze possible exposures of nearby sensitive receptors to diesel PM concentrations that would be generated by the use of diesel-fueled construction equipment as described in *6.1.2.3, Toxic Air Contaminant Emissions*. The HRA assessed the maximum potential exposures and associated carcinogenic risks to sensitive receptors that would be located at the adjacent middle school and Kedren community center and Headstart School, as well as throughout the surrounding residential communities. Table 8 presents the results of the construction HRA and the applicable SCAQMD incremental risk threshold, and detailed modeling files can be found in Attachment A. As shown below, the incremental excess cancer risk at both school and residential receptors during the construction of the proposed project would remain below the applicable SCAQMD threshold of 10 excess cancers per million. Therefore, the construction of the proposed project would not expose nearby sensitive receptors to levels of TAC concentrations that would exceed the SCAQMD screening threshold, and this impact would be less than significant.

Table 8: Construction Health Risk Assessment

Parameter	Middle School Receptors		Residential Receptors		Kedren Center & Headstart School Receptors	
	Adult	**Student**	**Adult**	**Child**	**Adult**	**Student**
Avg. Concentration [µg/m^3]	0.10626	0.10626	0.04145	0.04145	0.04626	0.04626
Breathing Rate [L/kg/day]	240	460	335	861	240	640
Exposure Frequency	0.50	0.50	0.96	0.96	0.50	0.50
Age Sensitivity Factor	1	3	1	3	1	3
Adjustment Factor	4.2	4.2	1.0	1.0	4.2	4.2
Fraction of Day Exposed	1.0	1.0	0.73	0.72	1.0	1.0
Exposure Duration [Years]	2.0	2.0	2.0	2.0	2.0	2.0
Incremental Excess Risk	**1.68**	**9.68**	**0.31**	**2.32**	**0.73**	**5.86**
SCAQMD Risk Threshold	10	10	10	10	10	10
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

SOURCE: TAHA, 2021.

Operations. Implementation of the proposed EBMF would provide critical support infrastructure to the LADOT all-electric transit fleet and would generally involve charging, maintenance, and servicing activities on the project site. As disclosed in Table 7, daily emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ would remain substantially below the applicable SCAQMD LST screening thresholds and would not have the potential to produce concentrations near or exceeding the localized concentration thresholds presented in Table 4.

Furthermore, as described in *6.1.2.3, Toxic Air Contaminant Emissions*, implementation of the proposed project would not site a land use typically known to be associated with substantial TAC emissions close to sensitive receptors. The proposed project would be generally consistent with the surrounding land use patterns and would not introduce a new stationary source of TAC emissions to the project area. The BEB vehicles would not consume petroleum-based fuels that produce emissions of TACs as a result of internal combustion engines. Therefore, the operation of the proposed project would not have the potential to expose sensitive receptors to substantial pollutant concentrations, and this impact would be less than significant.

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

Reference: L.A. CEQA Thresholds Guide (Section B – Air Quality); State CEQA Guidelines – Appendix G (2021); SCAQMD CEQA Air Quality Handbook (1993); SCAQMD Rule Book (Regulation IV).

Comment: A significant impact may occur if the proposed project generated emissions that could cause or contribute to a public nuisance affecting the surrounding community. A public nuisance could occur if emissions generated by proposed project activities during construction or operation produced visible dust plumes in violation of SCAQMD Rule 401 or Rule 403, or noxious odors in violation of SCAQMD Rule 402.

Less than significant impact. The analysis of potential impacts related to nuisance odors and other emissions that could adversely affect a substantial number of people was prepared to address both short-term construction and the future long-term operation of the proposed project.

Construction. The only source of potentially impactful construction emissions other than criteria pollutants, O_3 precursors, and TACs would be emissions leading to odors. Potential sources that may produce objectionable odors during construction activities include equipment exhaust, application of architectural coatings, and other interior and exterior finishes. Odors from these sources would be localized and generally confined to the immediate area surrounding the proposed project site, would be temporary, and would not persist beyond the termination of construction activities.

The proposed project would utilize typical construction techniques, and the odors would be typical of most construction sites and would be temporary. In addition, as construction-related emissions dissipate away from the construction area, the odors associated with these emissions would also decrease and would be quickly diluted. Construction of the proposed project would comply with the provisions of CARB ATCM 2485 to reduce vehicle and equipment exhaust emissions and with SCAQMD Rule 401 and Rule 403 to prevent the occurrence of visible dust plumes (SC-AQ-1). Therefore, the construction of the proposed project would result in a less than significant impact related to emissions of odors and other potential nuisance conditions.

Operations. The only source of potentially impactful emissions other than criteria pollutants, ozone precursors, and TACs would be emissions leading to odors. According to the SCAQMD *CEQA Air Quality Handbook*, land uses and industrial operations that are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The proposed project would not include a land use typically associated with odor impacts. Operation of the EBMF would comply with City codes and regulations pertaining to waste collection and disposal. Operational impacts would be less than significant related to the emissions of odors and other potential nuisance conditions.

Impacts associated with project implementation (i.e., construction and operations) would be less than significant, with compliance with applicable CARB and SCAQMD Rules and Regulations (SC-AQ-1), and no mitigation is required.

NEPA Analysis

6.1.4 No Build Alternative

For the purpose of the impact analysis, under the No Build Alternative, existing conditions at the South Yard and EBMF project site would remain unchanged. Thus, the proposed EBMF would not be constructed at the proposed project site and, consequently, LADOT's South Yard and its associated bus fleet would have to remain as existing because electric bus charging systems are not available at the South Yard for the use of an all-electric bus fleet. While the City is starting to purchase BEBs—and improvements to the City's Washington Yard, Sylmar Yard, and Downtown Yard are in progress—under this alternative, no improvements to LADOT's South Yard would occur and the project would not be built. Rather, the South Yard would continue current operations, and the existing structures and improvements at 740–780 and 800 East 111th Place would remain in place and could be leased and used by other businesses/entities.

No impacts to air quality would occur at this site under the No Build Alternative for the proposed project.

6.1.5 Build Alternative

The NEPA analysis considered Transportation Conformity, short-term (construction emissions), long-term (operational emissions), and mobile source air toxics (MSAT) emissions. The conformity requirement is based on Federal CAA Section 176(c), which prohibits the U.S. Department of Transportation and other federal agencies from funding, authorizing, or approving plans, programs, or projects that do not conform to State Implementation Plan (SIP) for attaining the NAAQS. Transportation Conformity applies to highway and transit projects and takes place on two levels: the regional—or, planning and programming level—and the project level. The Build Alternative must conform at both levels to be approved. Conformity requirements apply only in nonattainment and "maintenance" (former nonattainment) areas for the NAAQS, and only for the specific NAAQS that are or were violated. The USEPA regulations at 40 CFR 93 govern the conformity process. Conformity requirements do not apply in unclassifiable/attainment areas for NAAQS and do not apply at all for state standards regardless of the status of the area.

Regional conformity is concerned with how well the regional transportation system supports plans for attaining the NAAQS for CO, NO_2, O_3, PM_{10}, and $PM_{2.5}$, and in some areas (although not in California) SO_2. Regional conformity is based on emission analysis of Regional Transportation Plans (RTPs) and Federal Transportation Improvement Programs (FTIPs) that include all transportation projects planned for a region over a period of at least 20 years for the RTP, and four years (for the FTIP). If the design concept,

scope, and open-to-traffic schedule of a proposed transportation project are the same as described in the RTP and the FTIP, then the Build Alternative meets regional conformity requirements for purposes of project-level analysis. The Build Alternative is included in the FTIP (ID LA9918828, RTP ID 1TR1010 for general transit) and is identified as exempt from regional conformity based on Table 2 Exempt Projects under 40 CFR(I)(C) § 93.126 as provided in Attachment B. The description is, "Construction of an all-electric bus maintenance facility in South Los Angeles." Therefore, the Build Alternative satisfies regional Transportation Conformity requirements.

Regarding project-level Transportation Conformity, the proposed project is located in Los Angeles County and is in Attainment – Maintenance (Serious) for CO, Attainment – Maintenance (Serious) for PM_{10}, and Nonattainment (Moderate – 24 hour) for $PM_{2.5}$. Thus, a project-level hot-spot analysis for CO, PM_{10}, and $PM_{2.5}$ is required under 40 CFR 93.109. As discussed below, there is no potential for the Build Alternative to generate a CO or a PM hot-spot.

In consideration of CO ho-spots from passenger vehicles, the Build Alternative would not worsen air quality. CO hot-spot analyses are completed through intersection congestion analyses. When supported by traffic data, hot-spot analyses are completed for intersections with LOS D or worse per SCAQMD guidance. The Build Alternative would result in AM LOS of E during the No Build and Build Conditions and PM LOS of C during the No Build and Build Conditions. During the AM peak hour, the change in delay is minimal at 2.5 percent. This is a minor increase in delay that would not significantly change roadside CO concentrations. In addition, the Build Alternative would not relocate sensitive receptors closer to the roadway emissions source. Importantly, the project area has not experienced a CO hot-spot in over 20 years per monitoring data published by the SCAQMD. Therefore, there is no potential for a CO hot-spot.

PM hot-spot analyses involve assessing diesel particulate emissions. As an electric bus facility, the Build Alternative would not generate diesel emissions. There is no potential for the Build Alternative to be a Project of Air Quality Concern (POAQC). This determination would need to be verified through Interagency Consultation with the SCAG Transportation Conformity Working Group (TCWG) should the City eventually enter the NEPA process with FTA.

The CEQA analysis presented above includes a detailed assessment of short-term (construction emissions) and long-term (operational emissions) effects related to air quality. The Build Alternative would not exceed the significance thresholds established by the SCAQMD. This is an indicator that the Build Alternative would not result in adverse emissions under NEPA regulations.

Regarding MSAT emissions, controlling air toxic emissions became a national priority with the passage of the FCAA Amendments of 1990, whereby Congress mandated that the USEPA regulate 188 air toxics, also known as hazardous air pollutants. The USEPA has assessed this expansive list in its rule on the Control of Hazardous Air Pollutants from Mobile Sources (Federal Register, Vol. 72, No. 37, page 8430, February 26, 2007), and identified a group of 93 compounds emitted from mobile sources that are part of USEPA's

Integrated Risk Information System. Projects that have low potential MSAT effects are those that serve to improve highway, transit, or freight operations or movement without adding substantial new capacity or creating a facility that is likely to substantially increase emissions. The large majority of projects fall into this category. Projects that have low potential MSAT effects are those that serve to improve highway, transit, or freight operations or movement without adding substantial new capacity or creating a facility that is likely to substantially increase emissions. The large majority of projects fall into this category. The electric buses would not emit MSATs and there is no potential for an associated adverse effect.

7.0 RECOMMENDED MEASURES

Impacts to air quality from the construction and operations of the proposed project would be less than significant and no mitigation measures are required with project adherence to the standard condition requiring compliance with applicable regulations set forth by CARB and SCAQMD.

Standard Condition

SC-AQ-1: Construction and operation of the project shall comply with applicable California Air Resource Board (CARB) and South Coast Air Quality Management District (SCAQMD) Rules and Regulations, including but not limited to CARB ATCM 2485 and SCAQMD Rules 401 through 403 and 1403.

8.0 REFERENCES

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9.0 PREPARERS

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Attachment A – CalEEMod Output Files, AERMOD Files, Calculation Worksheets

CalEEMod Output File – Daily Emissions (Winter & Summer)

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

LADOT Electric Bus Maintenance Facility

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	20.38	1000sqft	0.47	20,384.00	0
Other Asphalt Surfaces	109.30	1000sqft	2.51	109,300.00	0
Parking Lot	69.60	1000sqft	1.60	69,600.00	0
Unenclosed Parking with Elevator	196.56	1000sqft	0.00	196,560.00	0
Automobile Care Center	40.03	1000sqft	0.92	40,032.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2026
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Auto Care Center = Bus Maintenance (35,912 sf) + Bus Washing (4,120 sf)
Industrial Park = Ops Bldg (12,234 sf) + Service Bldg (8,150 sf)
Total Lot Acreage = 5.5 acres.

Construction Phase - Preliminary Schedule - Earliest possible completion.

Off-road Equipment - Painting/Finishing/Striping

Off-road Equipment - Construction Inventory

Off-road Equipment - Demolition Inventory (LABOE)

Off-road Equipment - Grading Inventory

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Paving Inventory

Off-road Equipment - Site Prep Inventory (LABOE)

Trips and VMT - Anticipated Vehicle Activity Inventory

Demolition - Existing Buildings = 32ksf & 118.8ksf

Grading -

Architectural Coating - Compliance with SCAQMD Rule 403 uses 50 g/L limit for building envelope.

Vehicle Trips - Traffic Memo: 759 trips & 6,271 daily VMT

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 requires 3x daily watering.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	230.00	360.00
tblConstructionPhase	NumDays	20.00	45.00
tblLandUse	LandUseSquareFeet	20,380.00	20,384.00
tblLandUse	LandUseSquareFeet	40,030.00	40,032.00
tblLandUse	LotAcreage	4.51	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	7.00	6.00
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tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	71.00	14.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	179.00	80.00
tblTripsAndVMT	WorkerTripNumber	36.00	16.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	8.27
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	2.54	37.25
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.24	37.25
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	3.37	37.25

2.0 Emissions Summary

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1745	10.3026	14.0043	0.0362	4.1659	0.4587	4.5023	1.8309	0.4220	2.2529	0.0000	3,693.6963	3,693.6963	0.6548	0.2510	3,781.2915
2025	1.1208	9.0356	14.1462	0.0292	0.9839	0.3183	1.2964	0.2630	0.2958	0.5587	0.0000	2,860.9734	2,860.9734	0.5504	0.0563	2,889.1715
2026	14.9540	13.7326	22.3507	0.0433	1.1755	0.4881	1.6636	0.3141	0.4697	0.7838	0.0000	4,231.2016	4,231.2016	0.6244	0.0633	4,265.6761
Maximum	**14.9540**	**13.7326**	**22.3507**	**0.0433**	**4.1659**	**0.4881**	**4.5023**	**1.8309**	**0.4697**	**2.2529**	**0.0000**	**4,231.2016**	**4,231.2016**	**0.6548**	**0.2510**	**4,265.6761**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.5891	4.2974	15.3520	0.0362	2.1537	0.0512	2.2049	0.7864	0.0501	0.8225	0.0000	3,693.6963	3,693.6963	0.6548	0.2510	3,781.2915
2025	0.5808	2.3617	15.4148	0.0292	0.9839	0.0372	1.0211	0.2630	0.0367	0.2997	0.0000	2,860.9734	2,860.9734	0.5504	0.0563	2,889.1715
2026	13.9205	4.9612	24.1020	0.0433	1.1755	0.0564	1.2319	0.3141	0.0558	0.3699	0.0000	4,231.2016	4,231.2016	0.6244	0.0633	4,265.6761
Maximum	**13.9205**	**4.9612**	**24.1020**	**0.0433**	**2.1537**	**0.0564**	**2.2049**	**0.7864**	**0.0558**	**0.8225**	**0.0000**	**4,231.2016**	**4,231.2016**	**0.6548**	**0.2510**	**4,265.6761**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	12.52	64.86	-8.65	0.00	31.81	88.55	40.26	43.38	87.99	58.50	0.00	0.00	0.00	0.00	0.00	0.00

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Energy	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587
Mobile	1.9817	2.0623	19.2517	0.0416	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,380.2951	4,380.2951	0.3050	0.1884	4,444.0651
Total	**3.5245**	**2.3122**	**19.5057**	**0.0431**	**4.8120**	**0.0500**	**4.8620**	**1.2819**	**0.0478**	**1.3296**		**4,679.8696**	**4,679.8696**	**0.3110**	**0.1939**	**4,745.4254**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Energy	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587
Mobile	1.9817	2.0623	19.2517	0.0416	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,380.2951	4,380.2951	0.3050	0.1884	4,444.0651
Total	**3.5245**	**2.3122**	**19.5057**	**0.0431**	**4.8120**	**0.0500**	**4.8620**	**1.2819**	**0.0478**	**1.3296**		**4,679.8696**	**4,679.8696**	**0.3110**	**0.1939**	**4,745.4254**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/17/2024	8/16/2024	5	45	
2	Site Preparation	Site Preparation	8/19/2024	9/6/2024	5	15	
3	Grading	Grading	9/9/2024	11/8/2024	5	45	
4	Paving	Paving	11/11/2024	1/10/2025	5	45	
5	Building Construction	Building Construction	1/13/2025	5/29/2026	5	360	
6	Architectural Coating	Architectural Coating	3/30/2026	5/29/2026	5	45	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 4.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,624; Non-Residential Outdoor: 30,208; Striped Parking Area: 22,528 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
Demolition	Excavators	2	6.00	158	0.38
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Crawler Tractors	1	4.00	212	0.43
Site Preparation	Excavators	2	6.00	158	0.38

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Rubber Tired Dozers	1	4.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Rubber Tired Dozers	1	4.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Pavers	2	6.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	6.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Welders	1	6.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	40.00	0.00	1,080.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	16.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2987	0.0000	3.2987	0.4995	0.0000	0.4995			0.0000			0.0000
Off-Road	0.7991	6.6909	11.9010	0.0187		0.3139	0.3139		0.2976	0.2976		1,795.7128	1,795.7128	0.4173		1,806.1440
Total	**0.7991**	**6.6909**	**11.9010**	**0.0187**	**3.2987**	**0.3139**	**3.6126**	**0.4995**	**0.2976**	**0.7971**		**1,795.7128**	**1,795.7128**	**0.4173**		**1,806.1440**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	3.2784	0.8620	0.0138	0.4201	0.0200	0.4401	0.1152	0.0191	0.1343		1,522.1675	1,522.1675	0.0856	0.2418	1,596.3682
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1771**	**3.3665**	**2.1033**	**0.0175**	**0.8672**	**0.0226**	**0.8898**	**0.2338**	**0.0215**	**0.2552**		**1,897.9835**	**1,897.9835**	**0.0949**	**0.2510**	**1,975.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2865	0.0000	1.2865	0.1948	0.0000	0.1948			0.0000			0.0000
Off-Road	0.2148	0.9310	13.2488	0.0187		0.0287	0.0287		0.0287	0.0287	0.0000	1,795.7128	1,795.7128	0.4173		1,806.1440
Total	**0.2148**	**0.9310**	**13.2488**	**0.0187**	**1.2865**	**0.0287**	**1.3151**	**0.1948**	**0.0287**	**0.2234**	**0.0000**	**1,795.7128**	**1,795.7128**	**0.4173**		**1,806.1440**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	3.2784	0.8620	0.0138	0.4201	0.0200	0.4401	0.1152	0.0191	0.1343		1,522.1675	1,522.1675	0.0856	0.2418	1,596.3682
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1771**	**3.3665**	**2.1033**	**0.0175**	**0.8672**	**0.0226**	**0.8898**	**0.2338**	**0.0215**	**0.2552**		**1,897.9835**	**1,897.9835**	**0.0949**	**0.2510**	**1,975.1475**

3.3 Site Preparation - 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					
Fugitive Dust					3.5413	0.0000	3.5413	1.7124	0.0000	1.7124			0.0000			0.0000
Off-Road	1.0458	10.2145	10.9178	0.0206		0.4561	0.4561		0.4196	0.4196		1,995.8641	1,995.8641	0.6455		2,012.0017
Total	**1.0458**	**10.2145**	**10.9178**	**0.0206**	**3.5413**	**0.4561**	**3.9974**	**1.7124**	**0.4196**	**2.1320**		**1,995.8641**	**1,995.8641**	**0.6455**		**2,012.0017**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1287**	**0.0881**	**1.2412**	**3.6400e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**375.8160**	**375.8160**	**9.2600e-003**	**9.1700e-003**	**378.7793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3811	0.0000	1.3811	0.6678	0.0000	0.6678			0.0000			0.0000
Off-Road	0.2528	1.0954	13.0755	0.0206		0.0337	0.0337		0.0337	0.0337	0.0000	1,995.8641	1,995.8641	0.6455		2,012.0017
Total	**0.2528**	**1.0954**	**13.0755**	**0.0206**	**1.3811**	**0.0337**	**1.4148**	**0.6678**	**0.0337**	**0.7015**	**0.0000**	**1,995.8641**	**1,995.8641**	**0.6455**		**2,012.0017**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1287**	**0.0881**	**1.2412**	**3.6400e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**375.8160**	**375.8160**	**9.2600e-003**	**9.1700e-003**	**378.7793**

3.4 Grading - 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					
Fugitive Dust					3.5413	0.0000	3.5413	1.7124	0.0000	1.7124			0.0000			0.0000
Off-Road	1.0111	9.9183	10.6447	0.0200		0.4313	0.4313		0.3968	0.3968		1,936.7924	1,936.7924	0.6264		1,952.4524
Total	**1.0111**	**9.9183**	**10.6447**	**0.0200**	**3.5413**	**0.4313**	**3.9726**	**1.7124**	**0.3968**	**2.1092**		**1,936.7924**	**1,936.7924**	**0.6264**		**1,952.4524**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1287**	**0.0881**	**1.2412**	**3.6400e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**375.8160**	**375.8160**	**9.2600e-003**	**9.1700e-003**	**378.7793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3811	0.0000	1.3811	0.6678	0.0000	0.6678			0.0000			0.0000
Off-Road	0.2451	1.0622	12.7944	0.0200		0.0327	0.0327		0.0327	0.0327	0.0000	1,936.7924	1,936.7924	0.6264		1,952.4524
Total	**0.2451**	**1.0622**	**12.7944**	**0.0200**	**1.3811**	**0.0327**	**1.4138**	**0.6678**	**0.0327**	**0.7005**	**0.0000**	**1,936.7924**	**1,936.7924**	**0.6264**		**1,952.4524**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1287**	**0.0881**	**1.2412**	**3.6400e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**375.8160**	**375.8160**	**9.2600e-003**	**9.1700e-003**	**378.7793**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7411	7.1434	10.9693	0.0171		0.3514	0.3514		0.3233	0.3233		1,655.6604	1,655.6604	0.5355		1,669.0473
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9804**	**7.1434**	**10.9693**	**0.0171**		**0.3514**	**0.3514**		**0.3233**	**0.3233**		**1,655.6604**	**1,655.6604**	**0.5355**		**1,669.0473**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.4027	0.1502	1.8300e-003	0.0641	1.9500e-003	0.0660	0.0184	1.8700e-003	0.0203		197.6143	197.6143	6.7100e-003	0.0285	206.2652
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1395**	**0.4908**	**1.3914**	**5.4700e-003**	**0.5112**	**4.5400e-003**	**0.5157**	**0.1370**	**4.2500e-003**	**0.1413**		**573.4303**	**573.4303**	**0.0160**	**0.0376**	**585.0445**

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	0.2104	0.9115	12.9718	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.6604	1,655.6604	0.5355		1,669.0473
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4496**	**0.9115**	**12.9718**	**0.0171**		**0.0281**	**0.0281**		**0.0281**	**0.0281**	**0.0000**	**1,655.6604**	**1,655.6604**	**0.5355**		**1,669.0473**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.4027	0.1502	1.8300e-003	0.0641	1.9500e-003	0.0660	0.0184	1.8700e-003	0.0203		197.6143	197.6143	6.7100e-003	0.0285	206.2652
Worker	0.1287	0.0881	1.2412	3.6400e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		375.8160	375.8160	9.2600e-003	9.1700e-003	378.7793
Total	**0.1395**	**0.4908**	**1.3914**	**5.4700e-003**	**0.5112**	**4.5400e-003**	**0.5157**	**0.1370**	**4.2500e-003**	**0.1413**		**573.4303**	**573.4303**	**0.0160**	**0.0376**	**585.0445**

3.5 Paving - 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	0.6864	6.4362	10.9335	0.0171		0.3139	0.3139		0.2888	0.2888		1,655.0589	1,655.0589	0.5353		1,668.4409
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9257**	**6.4362**	**10.9335**	**0.0171**		**0.3139**	**0.3139**		**0.2888**	**0.2888**		**1,655.0589**	**1,655.0589**	**0.5353**		**1,668.4409**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.4008	0.1474	1.8000e-003	0.0641	1.9600e-003	0.0660	0.0184	1.8700e-003	0.0203		194.0625	194.0625	6.7500e-003	0.0280	202.5675
Worker	0.1208	0.0791	1.1577	3.5200e-003	0.4471	2.4700e-003	0.4496	0.1186	2.2700e-003	0.1209		366.6643	366.6643	8.3600e-003	8.5600e-003	369.4241
Total	**0.1312**	**0.4799**	**1.3051**	**5.3200e-003**	**0.5112**	**4.4300e-003**	**0.5156**	**0.1370**	**4.1400e-003**	**0.1412**		**560.7268**	**560.7268**	**0.0151**	**0.0365**	**571.9916**

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	0.2104	0.9115	12.9718	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.0589	1,655.0589	0.5353		1,668.4409
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4496**	**0.9115**	**12.9718**	**0.0171**		**0.0281**	**0.0281**		**0.0281**	**0.0281**	**0.0000**	**1,655.0589**	**1,655.0589**	**0.5353**		**1,668.4409**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.4008	0.1474	1.8000e-003	0.0641	1.9600e-003	0.0660	0.0184	1.8700e-003	0.0203		194.0625	194.0625	6.7500e-003	0.0280	202.5675
Worker	0.1208	0.0791	1.1577	3.5200e-003	0.4471	2.4700e-003	0.4496	0.1186	2.2700e-003	0.1209		366.6643	366.6643	8.3600e-003	8.5600e-003	369.4241
Total	**0.1312**	**0.4799**	**1.3051**	**5.3200e-003**	**0.5112**	**4.4300e-003**	**0.5156**	**0.1370**	**4.1400e-003**	**0.1412**		**560.7268**	**560.7268**	**0.0151**	**0.0365**	**571.9916**

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	0.8647	8.3163	11.6244	0.0196		0.3048	0.3048		0.2886	0.2886		1,855.9574	1,855.9574	0.4309		1,866.7288
Total	**0.8647**	**8.3163**	**11.6244**	**0.0196**		**0.3048**	**0.3048**		**0.2886**	**0.2886**		**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7288**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.5611	0.2064	2.5200e-003	0.0897	2.7400e-003	0.0924	0.0258	2.6200e-003	0.0285		271.6875	271.6875	9.4600e-003	0.0392	283.5946
Worker	0.2416	0.1582	2.3154	7.0400e-003	0.8942	4.9400e-003	0.8992	0.2372	4.5400e-003	0.2417		733.3286	733.3286	0.0167	0.0171	738.8482
Total	**0.2561**	**0.7194**	**2.5218**	**9.5600e-003**	**0.9839**	**7.6800e-003**	**0.9916**	**0.2630**	**7.1600e-003**	**0.2701**		**1,005.0160**	**1,005.0160**	**0.0262**	**0.0563**	**1,022.4428**

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	0.2381	1.6424	12.8931	0.0196		0.0296	0.0296		0.0296	0.0296	0.0000	1,855.9574	1,855.9574	0.4309		1,866.7287
Total	**0.2381**	**1.6424**	**12.8931**	**0.0196**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7287**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.5611	0.2064	2.5200e-003	0.0897	2.7400e-003	0.0924	0.0258	2.6200e-003	0.0285		271.6875	271.6875	9.4600e-003	0.0392	283.5946
Worker	0.2416	0.1582	2.3154	7.0400e-003	0.8942	4.9400e-003	0.8992	0.2372	4.5400e-003	0.2417		733.3286	733.3286	0.0167	0.0171	738.8482
Total	**0.2561**	**0.7194**	**2.5218**	**9.5600e-003**	**0.9839**	**7.6800e-003**	**0.9916**	**0.2630**	**7.1600e-003**	**0.2701**		**1,005.0160**	**1,005.0160**	**0.0262**	**0.0563**	**1,022.4428**

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	0.8647	8.3163	11.6244	0.0196		0.3048	0.3048		0.2886	0.2886		1,855.9574	1,855.9574	0.4309		1,866.7288
Total	**0.8647**	**8.3163**	**11.6244**	**0.0196**		**0.3048**	**0.3048**		**0.2886**	**0.2886**		**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7288**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0142	0.5571	0.2035	2.4700e-003	0.0897	2.7300e-003	0.0924	0.0258	2.6200e-003	0.0284		266.6525	266.6525	9.5100e-003	0.0385	278.3506
Worker	0.2280	0.1436	2.1763	6.8200e-003	0.8942	4.6900e-003	0.8989	0.2372	4.3100e-003	0.2415		716.8831	716.8831	0.0152	0.0161	722.0697
Total	**0.2422**	**0.7007**	**2.3798**	**9.2900e-003**	**0.9839**	**7.4200e-003**	**0.9913**	**0.2630**	**6.9300e-003**	**0.2699**		**983.5355**	**983.5355**	**0.0247**	**0.0546**	**1,000.4203**

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	0.2381	1.6424	12.8931	0.0196		0.0296	0.0296		0.0296	0.0296	0.0000	1,855.9574	1,855.9574	0.4309		1,866.7287
Total	**0.2381**	**1.6424**	**12.8931**	**0.0196**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7287**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0142	0.5571	0.2035	2.4700e-003	0.0897	2.7300e-003	0.0924	0.0258	2.6200e-003	0.0284		266.6525	266.6525	9.5100e-003	0.0385	278.3506
Worker	0.2280	0.1436	2.1763	6.8200e-003	0.8942	4.6900e-003	0.8989	0.2372	4.3100e-003	0.2415		716.8831	716.8831	0.0152	0.0161	722.0697
Total	**0.2422**	**0.7007**	**2.3798**	**9.2900e-003**	**0.9839**	**7.4200e-003**	**0.9913**	**0.2630**	**6.9300e-003**	**0.2699**		**983.5355**	**983.5355**	**0.0247**	**0.0546**	**1,000.4203**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.2104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5892	4.6074	7.8822	0.0127		0.1746	0.1746		0.1730	0.1730		1,210.2388	1,210.2388	0.1644		1,214.3487
Total	**13.7995**	**4.6074**	**7.8822**	**0.0127**		**0.1746**	**0.1746**		**0.1730**	**0.1730**		**1,210.2388**	**1,210.2388**	**0.1644**		**1,214.3487**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0796	0.0291	3.5000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		38.0932	38.0932	1.3600e-003	5.4900e-003	39.7644
Worker	0.0456	0.0287	0.4353	1.3600e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		143.3766	143.3766	3.0400e-003	3.2300e-003	144.4139
Total	**0.0476**	**0.1083**	**0.4643**	**1.7100e-003**	**0.1917**	**1.3300e-003**	**0.1930**	**0.0511**	**1.2300e-003**	**0.0524**		**181.4698**	**181.4698**	**4.4000e-003**	**8.7200e-003**	**184.1783**

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	13.2104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1822	2.5098	8.3648	0.0127		0.0181	0.0181		0.0181	0.0181	0.0000	1,210.2388	1,210.2388	0.1644		1,214.3487
Total	**13.3925**	**2.5098**	**8.3648**	**0.0127**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1644**		**1,214.3487**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0796	0.0291	3.5000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		38.0932	38.0932	1.3600e-003	5.4900e-003	39.7644
Worker	0.0456	0.0287	0.4353	1.3600e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		143.3766	143.3766	3.0400e-003	3.2300e-003	144.4139
Total	**0.0476**	**0.1083**	**0.4643**	**1.7100e-003**	**0.1917**	**1.3300e-003**	**0.1930**	**0.0511**	**1.2300e-003**	**0.0524**		**181.4698**	**181.4698**	**4.4000e-003**	**8.7200e-003**	**184.1783**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9817	2.0623	19.2517	0.0416	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,380.2951	4,380.2951	0.3050	0.1884	4,444.0651
Unmitigated	1.9817	2.0623	19.2517	0.0416	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,380.2951	4,380.2951	0.3050	0.1884	4,444.0651

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
Industrial Park	759.16	759.16	759.16	2,285,269	2,285,269
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	759.16	759.16	759.16	2,285,269	2,285,269

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Industrial Park	8.27	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Industrial Park	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Other Asphalt Surfaces	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Parking Lot	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Unenclosed Parking with Elevator	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587
NaturalGas Unmitigated	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Automobile Care Center	1969.79	0.0212	0.1931	0.1622	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.7404	231.7404	4.4400e-003	4.2500e-003	233.1176
Industrial Park	575.778	6.2100e-003	0.0565	0.0474	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7386	67.7386	1.3000e-003	1.2400e-003	68.1412
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0275**	**0.2496**	**0.2096**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.4791**	**299.4791**	**5.7400e-003**	**5.4900e-003**	**301.2587**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Automobile Care Center	1.96979	0.0212	0.1931	0.1622	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.7404	231.7404	4.4400e-003	4.2500e-003	233.1176
Industrial Park	0.575778	6.2100e-003	0.0565	0.0474	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7386	67.7386	1.3000e-003	1.2400e-003	68.1412
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0275**	**0.2496**	**0.2096**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.4791**	**299.4791**	**5.7400e-003**	**5.4900e-003**	**301.2587**

6.0 Area Detail

6.1 Mitigation Measures Area

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Unmitigated	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0900e-003	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Total	**1.5154**	**4.0000e-004**	**0.0444**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0954**	**0.0954**	**2.5000e-004**		**0.1016**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0900e-003	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Total	**1.5154**	**4.0000e-004**	**0.0444**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0954**	**0.0954**	**2.5000e-004**		**0.1016**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

LADOT Electric Bus Maintenance Facility

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	20.38	1000sqft	0.47	20,384.00	0
Other Asphalt Surfaces	109.30	1000sqft	2.51	109,300.00	0
Parking Lot	69.60	1000sqft	1.60	69,600.00	0
Unenclosed Parking with Elevator	196.56	1000sqft	0.00	196,560.00	0
Automobile Care Center	40.03	1000sqft	0.92	40,032.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2026
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Auto Care Center = Bus Maintenance (35,912 sf) + Bus Washing (4,120 sf)
Industrial Park = Ops Bldg (12,234 sf) + Service Bldg (8,150 sf)
Total Lot Acreage = 5.5 acres.

Construction Phase - Preliminary Schedule - Earliest possible completion.

Off-road Equipment - Painting/Finishing/Striping

Off-road Equipment - Construction Inventory

Off-road Equipment - Demolition Inventory (LABOE)

Off-road Equipment - Grading Inventory

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Paving Inventory

Off-road Equipment - Site Prep Inventory (LABOE)

Trips and VMT - Anticipated Vehicle Activity Inventory

Demolition - Existing Buildings = 32ksf & 118.8ksf

Grading -

Architectural Coating - Compliance with SCAQMD Rule 403 uses 50 g/L limit for building envelope.

Vehicle Trips - Traffic Memo: 759 trips & 6,271 daily VMT

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 requires 3x daily watering.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	45.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	230.00	360.00
tblConstructionPhase	NumDays	20.00	45.00
tblLandUse	LandUseSquareFeet	20,380.00	20,384.00
tblLandUse	LandUseSquareFeet	40,030.00	40,032.00
tblLandUse	LotAcreage	4.51	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	HaulingTripNumber	686.00	1,080.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	71.00	14.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	179.00	80.00
tblTripsAndVMT	WorkerTripNumber	36.00	16.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	8.27
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	2.54	37.25
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	1.24	37.25
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	3.37	37.25

2.0 Emissions Summary

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1652	10.2943	14.1009	0.0364	4.1659	0.4587	4.5023	1.8309	0.4220	2.2529	0.0000	3,712.9510	3,712.9510	0.6546	0.2501	3,800.2952
2025	1.1032	8.9955	14.3393	0.0295	0.9839	0.3183	1.2964	0.2630	0.2957	0.5587	0.0000	2,901.1475	2,901.1475	0.5503	0.0551	2,928.9872
2026	14.9332	13.6878	22.5669	0.0438	1.1755	0.4881	1.6636	0.3141	0.4697	0.7838	0.0000	4,278.2645	4,278.2645	0.6241	0.0620	4,312.3355
Maximum	**14.9332**	**13.6878**	**22.5669**	**0.0438**	**4.1659**	**0.4881**	**4.5023**	**1.8309**	**0.4697**	**2.2529**	**0.0000**	**4,278.2645**	**4,278.2645**	**0.6546**	**0.2501**	**4,312.3355**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.5802	4.1505	15.4486	0.0364	2.1537	0.0512	2.2049	0.7864	0.0501	0.8225	0.0000	3,712.9510	3,712.9510	0.6546	0.2501	3,800.2952
2025	0.5722	2.3216	15.6079	0.0295	0.9839	0.0372	1.0211	0.2630	0.0367	0.2997	0.0000	2,901.1475	2,901.1475	0.5503	0.0551	2,928.9872
2026	13.8997	4.9163	24.3181	0.0438	1.1755	0.0564	1.2319	0.3141	0.0558	0.3699	0.0000	4,278.2645	4,278.2645	0.6241	0.0620	4,312.3355
Maximum	**13.8997**	**4.9163**	**24.3181**	**0.0438**	**2.1537**	**0.0564**	**2.2049**	**0.7864**	**0.0558**	**0.8225**	**0.0000**	**4,278.2645**	**4,278.2645**	**0.6546**	**0.2501**	**4,312.3355**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	12.50	65.47	-8.56	0.00	31.81	88.56	40.26	43.38	87.99	58.50	0.00	0.00	0.00	0.00	0.00	0.00

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Energy	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587
Mobile	2.0219	1.9113	19.5381	0.0434	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,571.8191	4,571.8191	0.2962	0.1806	4,633.0562
Total	**3.5647**	**2.1613**	**19.7921**	**0.0449**	**4.8120**	**0.0499**	**4.8620**	**1.2819**	**0.0477**	**1.3296**		**4,871.3935**	**4,871.3935**	**0.3022**	**0.1861**	**4,934.4165**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Energy	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587
Mobile	2.0219	1.9113	19.5381	0.0434	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,571.8191	4,571.8191	0.2962	0.1806	4,633.0562
Total	**3.5647**	**2.1613**	**19.7921**	**0.0449**	**4.8120**	**0.0499**	**4.8620**	**1.2819**	**0.0477**	**1.3296**		**4,871.3935**	**4,871.3935**	**0.3022**	**0.1861**	**4,934.4165**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/17/2024	8/16/2024	5	45	
2	Site Preparation	Site Preparation	8/19/2024	9/6/2024	5	15	
3	Grading	Grading	9/9/2024	11/8/2024	5	45	
4	Paving	Paving	11/11/2024	1/10/2025	5	45	
5	Building Construction	Building Construction	1/13/2025	5/29/2026	5	360	
6	Architectural Coating	Architectural Coating	3/30/2026	5/29/2026	5	45	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 4.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,624; Non-Residential Outdoor: 30,208; Striped Parking Area: 22,528 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
Demolition	Excavators	2	6.00	158	0.38
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Crawler Tractors	1	4.00	212	0.43
Site Preparation	Excavators	2	6.00	158	0.38

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Rubber Tired Dozers	1	4.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Rubber Tired Dozers	1	4.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Pavers	2	6.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	6.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Welders	1	6.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	40.00	0.00	1,080.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	16.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2987	0.0000	3.2987	0.4995	0.0000	0.4995			0.0000			0.0000
Off-Road	0.7991	6.6909	11.9010	0.0187		0.3139	0.3139		0.2976	0.2976		1,795.7128	1,795.7128	0.4173		1,806.1440
Total	**0.7991**	**6.6909**	**11.9010**	**0.0187**	**3.2987**	**0.3139**	**3.6126**	**0.4995**	**0.2976**	**0.7971**		**1,795.7128**	**1,795.7128**	**0.4173**		**1,806.1440**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0517	3.1398	0.8507	0.0138	0.4201	0.0199	0.4400	0.1152	0.0191	0.1342		1,520.5426	1,520.5426	0.0858	0.2416	1,594.6691
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1711**	**3.2196**	**2.1999**	**0.0177**	**0.8672**	**0.0225**	**0.8897**	**0.2338**	**0.0214**	**0.2552**		**1,917.2382**	**1,917.2382**	**0.0949**	**0.2501**	**1,994.1512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2865	0.0000	1.2865	0.1948	0.0000	0.1948			0.0000			0.0000
Off-Road	0.2148	0.9310	13.2488	0.0187		0.0287	0.0287		0.0287	0.0287	0.0000	1,795.7128	1,795.7128	0.4173		1,806.1440
Total	**0.2148**	**0.9310**	**13.2488**	**0.0187**	**1.2865**	**0.0287**	**1.3151**	**0.1948**	**0.0287**	**0.2234**	**0.0000**	**1,795.7128**	**1,795.7128**	**0.4173**		**1,806.1440**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0517	3.1398	0.8507	0.0138	0.4201	0.0199	0.4400	0.1152	0.0191	0.1342		1,520.5426	1,520.5426	0.0858	0.2416	1,594.6691
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1711**	**3.2196**	**2.1999**	**0.0177**	**0.8672**	**0.0225**	**0.8897**	**0.2338**	**0.0214**	**0.2552**		**1,917.2382**	**1,917.2382**	**0.0949**	**0.2501**	**1,994.1512**

3.3 Site Preparation - 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					
Fugitive Dust					3.5413	0.0000	3.5413	1.7124	0.0000	1.7124			0.0000			0.0000
Off-Road	1.0458	10.2145	10.9178	0.0206		0.4561	0.4561		0.4196	0.4196		1,995.8641	1,995.8641	0.6455		2,012.0017
Total	**1.0458**	**10.2145**	**10.9178**	**0.0206**	**3.5413**	**0.4561**	**3.9974**	**1.7124**	**0.4196**	**2.1320**		**1,995.8641**	**1,995.8641**	**0.6455**		**2,012.0017**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1194**	**0.0798**	**1.3492**	**3.8500e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**396.6956**	**396.6956**	**9.1300e-003**	**8.5900e-003**	**399.4821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3811	0.0000	1.3811	0.6678	0.0000	0.6678			0.0000			0.0000
Off-Road	0.2528	1.0954	13.0755	0.0206		0.0337	0.0337		0.0337	0.0337	0.0000	1,995.8641	1,995.8641	0.6455		2,012.0017
Total	**0.2528**	**1.0954**	**13.0755**	**0.0206**	**1.3811**	**0.0337**	**1.4148**	**0.6678**	**0.0337**	**0.7015**	**0.0000**	**1,995.8641**	**1,995.8641**	**0.6455**		**2,012.0017**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1194**	**0.0798**	**1.3492**	**3.8500e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**396.6956**	**396.6956**	**9.1300e-003**	**8.5900e-003**	**399.4821**

3.4 Grading - 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					
Fugitive Dust					3.5413	0.0000	3.5413	1.7124	0.0000	1.7124			0.0000			0.0000
Off-Road	1.0111	9.9183	10.6447	0.0200		0.4313	0.4313		0.3968	0.3968		1,936.7924	1,936.7924	0.6264		1,952.4524
Total	**1.0111**	**9.9183**	**10.6447**	**0.0200**	**3.5413**	**0.4313**	**3.9726**	**1.7124**	**0.3968**	**2.1092**		**1,936.7924**	**1,936.7924**	**0.6264**		**1,952.4524**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1194**	**0.0798**	**1.3492**	**3.8500e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**396.6956**	**396.6956**	**9.1300e-003**	**8.5900e-003**	**399.4821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3811	0.0000	1.3811	0.6678	0.0000	0.6678			0.0000			0.0000
Off-Road	0.2451	1.0622	12.7944	0.0200		0.0327	0.0327		0.0327	0.0327	0.0000	1,936.7924	1,936.7924	0.6264		1,952.4524
Total	**0.2451**	**1.0622**	**12.7944**	**0.0200**	**1.3811**	**0.0327**	**1.4138**	**0.6678**	**0.0327**	**0.7005**	**0.0000**	**1,936.7924**	**1,936.7924**	**0.6264**		**1,952.4524**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1194**	**0.0798**	**1.3492**	**3.8500e-003**	**0.4471**	**2.5900e-003**	**0.4497**	**0.1186**	**2.3800e-003**	**0.1210**		**396.6956**	**396.6956**	**9.1300e-003**	**8.5900e-003**	**399.4821**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7411	7.1434	10.9693	0.0171		0.3514	0.3514		0.3233	0.3233		1,655.6604	1,655.6604	0.5355		1,669.0473
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9804**	**7.1434**	**10.9693**	**0.0171**		**0.3514**	**0.3514**		**0.3233**	**0.3233**		**1,655.6604**	**1,655.6604**	**0.5355**		**1,669.0473**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.3846	0.1455	1.8300e-003	0.0641	1.9400e-003	0.0660	0.0184	1.8600e-003	0.0203		197.2746	197.2746	6.7400e-003	0.0284	205.9040
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1306**	**0.4644**	**1.4947**	**5.6800e-003**	**0.5112**	**4.5300e-003**	**0.5157**	**0.1370**	**4.2400e-003**	**0.1413**		**593.9702**	**593.9702**	**0.0159**	**0.0370**	**605.3861**

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	0.2104	0.9115	12.9718	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.6604	1,655.6604	0.5355		1,669.0473
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4496**	**0.9115**	**12.9718**	**0.0171**		**0.0281**	**0.0281**		**0.0281**	**0.0281**	**0.0000**	**1,655.6604**	**1,655.6604**	**0.5355**		**1,669.0473**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.3846	0.1455	1.8300e-003	0.0641	1.9400e-003	0.0660	0.0184	1.8600e-003	0.0203		197.2746	197.2746	6.7400e-003	0.0284	205.9040
Worker	0.1194	0.0798	1.3492	3.8500e-003	0.4471	2.5900e-003	0.4497	0.1186	2.3800e-003	0.1210		396.6956	396.6956	9.1300e-003	8.5900e-003	399.4821
Total	**0.1306**	**0.4644**	**1.4947**	**5.6800e-003**	**0.5112**	**4.5300e-003**	**0.5157**	**0.1370**	**4.2400e-003**	**0.1413**		**593.9702**	**593.9702**	**0.0159**	**0.0370**	**605.3861**

3.5 Paving - 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	0.6864	6.4362	10.9335	0.0171		0.3139	0.3139		0.2888	0.2888		1,655.0589	1,655.0589	0.5353		1,668.4409
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9257**	**6.4362**	**10.9335**	**0.0171**		**0.3139**	**0.3139**		**0.2888**	**0.2888**		**1,655.0589**	**1,655.0589**	**0.5353**		**1,668.4409**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0109	0.3828	0.1429	1.8000e-003	0.0641	1.9500e-003	0.0660	0.0184	1.8600e-003	0.0203		193.7229	193.7229	6.7800e-003	0.0279	202.2070
Worker	0.1117	0.0717	1.2574	3.7100e-003	0.4471	2.4700e-003	0.4496	0.1186	2.2700e-003	0.1209		386.9890	386.9890	8.2300e-003	8.0200e-003	389.5843
Total	**0.1225**	**0.4545**	**1.4003**	**5.5100e-003**	**0.5112**	**4.4200e-003**	**0.5156**	**0.1370**	**4.1300e-003**	**0.1412**		**580.7119**	**580.7119**	**0.0150**	**0.0359**	**591.7914**

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	0.2104	0.9115	12.9718	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.0589	1,655.0589	0.5353		1,668.4409
Paving	0.2393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4496**	**0.9115**	**12.9718**	**0.0171**		**0.0281**	**0.0281**		**0.0281**	**0.0281**	**0.0000**	**1,655.0589**	**1,655.0589**	**0.5353**		**1,668.4409**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0109	0.3828	0.1429	1.8000e-003	0.0641	1.9500e-003	0.0660	0.0184	1.8600e-003	0.0203		193.7229	193.7229	6.7800e-003	0.0279	202.2070
Worker	0.1117	0.0717	1.2574	3.7100e-003	0.4471	2.4700e-003	0.4496	0.1186	2.2700e-003	0.1209		386.9890	386.9890	8.2300e-003	8.0200e-003	389.5843
Total	**0.1225**	**0.4545**	**1.4003**	**5.5100e-003**	**0.5112**	**4.4200e-003**	**0.5156**	**0.1370**	**4.1300e-003**	**0.1412**		**580.7119**	**580.7119**	**0.0150**	**0.0359**	**591.7914**

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	0.8647	8.3163	11.6244	0.0196		0.3048	0.3048		0.2886	0.2886		1,855.9574	1,855.9574	0.4309		1,866.7288
Total	**0.8647**	**8.3163**	**11.6244**	**0.0196**		**0.3048**	**0.3048**		**0.2886**	**0.2886**		**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7288**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5359	0.2000	2.5200e-003	0.0897	2.7300e-003	0.0924	0.0258	2.6100e-003	0.0284		271.2120	271.2120	9.5000e-003	0.0391	283.0899
Worker	0.2233	0.1433	2.5149	7.4300e-003	0.8942	4.9400e-003	0.8992	0.2372	4.5400e-003	0.2417		773.9780	773.9780	0.0165	0.0160	779.1686
Total	**0.2385**	**0.6792**	**2.7149**	**9.9500e-003**	**0.9839**	**7.6700e-003**	**0.9916**	**0.2630**	**7.1500e-003**	**0.2701**		**1,045.1901**	**1,045.1901**	**0.0260**	**0.0551**	**1,062.2585**

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	0.2381	1.6424	12.8931	0.0196		0.0296	0.0296		0.0296	0.0296	0.0000	1,855.9574	1,855.9574	0.4309		1,866.7287
Total	**0.2381**	**1.6424**	**12.8931**	**0.0196**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7287**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5359	0.2000	2.5200e-003	0.0897	2.7300e-003	0.0924	0.0258	2.6100e-003	0.0284		271.2120	271.2120	9.5000e-003	0.0391	283.0899
Worker	0.2233	0.1433	2.5149	7.4300e-003	0.8942	4.9400e-003	0.8992	0.2372	4.5400e-003	0.2417		773.9780	773.9780	0.0165	0.0160	779.1686
Total	**0.2385**	**0.6792**	**2.7149**	**9.9500e-003**	**0.9839**	**7.6700e-003**	**0.9916**	**0.2630**	**7.1500e-003**	**0.2701**		**1,045.1901**	**1,045.1901**	**0.0260**	**0.0551**	**1,062.2585**

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	0.8647	8.3163	11.6244	0.0196		0.3048	0.3048		0.2886	0.2886		1,855.9574	1,855.9574	0.4309		1,866.7288
Total	**0.8647**	**8.3163**	**11.6244**	**0.0196**		**0.3048**	**0.3048**		**0.2886**	**0.2886**		**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7288**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0148	0.5320	0.1972	2.4700e-003	0.0897	2.7200e-003	0.0924	0.0258	2.6000e-003	0.0284		266.1784	266.1784	9.5600e-003	0.0384	277.8480
Worker	0.2101	0.1301	2.3624	7.2000e-003	0.8942	4.6900e-003	0.8989	0.2372	4.3100e-003	0.2415		756.5537	756.5537	0.0149	0.0151	761.4312
Total	**0.2249**	**0.6621**	**2.5596**	**9.6700e-003**	**0.9839**	**7.4100e-003**	**0.9913**	**0.2630**	**6.9100e-003**	**0.2699**		**1,022.7321**	**1,022.7321**	**0.0245**	**0.0535**	**1,039.2792**

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	0.2381	1.6424	12.8931	0.0196		0.0296	0.0296		0.0296	0.0296	0.0000	1,855.9574	1,855.9574	0.4309		1,866.7287
Total	**0.2381**	**1.6424**	**12.8931**	**0.0196**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**1,855.9574**	**1,855.9574**	**0.4309**		**1,866.7287**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0148	0.5320	0.1972	2.4700e-003	0.0897	2.7200e-003	0.0924	0.0258	2.6000e-003	0.0284		266.1784	266.1784	9.5600e-003	0.0384	277.8480
Worker	0.2101	0.1301	2.3624	7.2000e-003	0.8942	4.6900e-003	0.8989	0.2372	4.3100e-003	0.2415		756.5537	756.5537	0.0149	0.0151	761.4312
Total	**0.2249**	**0.6621**	**2.5596**	**9.6700e-003**	**0.9839**	**7.4100e-003**	**0.9913**	**0.2630**	**6.9100e-003**	**0.2699**		**1,022.7321**	**1,022.7321**	**0.0245**	**0.0535**	**1,039.2792**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.2104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5892	4.6074	7.8822	0.0127		0.1746	0.1746		0.1730	0.1730		1,210.2388	1,210.2388	0.1644		1,214.3487
Total	**13.7995**	**4.6074**	**7.8822**	**0.0127**		**0.1746**	**0.1746**		**0.1730**	**0.1730**		**1,210.2388**	**1,210.2388**	**0.1644**		**1,214.3487**

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0760	0.0282	3.5000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		38.0255	38.0255	1.3700e-003	5.4800e-003	39.6926
Worker	0.0420	0.0260	0.4725	1.4400e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.3107	151.3107	2.9900e-003	3.0200e-003	152.2862
Total	**0.0441**	**0.1020**	**0.5007**	**1.7900e-003**	**0.1917**	**1.3300e-003**	**0.1930**	**0.0511**	**1.2300e-003**	**0.0524**		**189.3362**	**189.3362**	**4.3600e-003**	**8.5000e-003**	**191.9788**

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	13.2104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1822	2.5098	8.3648	0.0127		0.0181	0.0181		0.0181	0.0181	0.0000	1,210.2388	1,210.2388	0.1644		1,214.3487
Total	**13.3925**	**2.5098**	**8.3648**	**0.0127**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1644**		**1,214.3487**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0760	0.0282	3.5000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		38.0255	38.0255	1.3700e-003	5.4800e-003	39.6926
Worker	0.0420	0.0260	0.4725	1.4400e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.3107	151.3107	2.9900e-003	3.0200e-003	152.2862
Total	**0.0441**	**0.1020**	**0.5007**	**1.7900e-003**	**0.1917**	**1.3300e-003**	**0.1930**	**0.0511**	**1.2300e-003**	**0.0524**		**189.3362**	**189.3362**	**4.3600e-003**	**8.5000e-003**	**191.9788**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0219	1.9113	19.5381	0.0434	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,571.8191	4,571.8191	0.2962	0.1806	4,633.0562
Unmitigated	2.0219	1.9113	19.5381	0.0434	4.8120	0.0308	4.8428	1.2819	0.0286	1.3105		4,571.8191	4,571.8191	0.2962	0.1806	4,633.0562

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
Industrial Park	759.16	759.16	759.16	2,285,269	2,285,269
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	759.16	759.16	759.16	2,285,269	2,285,269

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Industrial Park	8.27	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Industrial Park	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Other Asphalt Surfaces	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Parking Lot	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Unenclosed Parking with Elevator	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587
NaturalGas Unmitigated	0.0275	0.2496	0.2096	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.4791	299.4791	5.7400e-003	5.4900e-003	301.2587

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Automobile Care Center	1969.79	0.0212	0.1931	0.1622	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.7404	231.7404	4.4400e-003	4.2500e-003	233.1176
Industrial Park	575.778	6.2100e-003	0.0565	0.0474	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7386	67.7386	1.3000e-003	1.2400e-003	68.1412
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0275**	**0.2496**	**0.2096**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.4791**	**299.4791**	**5.7400e-003**	**5.4900e-003**	**301.2587**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Automobile Care Center	1.96979	0.0212	0.1931	0.1622	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.7404	231.7404	4.4400e-003	4.2500e-003	233.1176
Industrial Park	0.575778	6.2100e-003	0.0565	0.0474	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7386	67.7386	1.3000e-003	1.2400e-003	68.1412
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0275**	**0.2496**	**0.2096**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.4791**	**299.4791**	**5.7400e-003**	**5.4900e-003**	**301.2587**

6.0 Area Detail

6.1 Mitigation Measures Area

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Unmitigated	1.5154	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0900e-003	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Total	**1.5154**	**4.0000e-004**	**0.0444**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0954**	**0.0954**	**2.5000e-004**		**0.1016**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0900e-003	4.0000e-004	0.0444	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0954	0.0954	2.5000e-004		0.1016
Total	**1.5154**	**4.0000e-004**	**0.0444**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0954**	**0.0954**	**2.5000e-004**		**0.1016**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

LADOT Electric Bus Maintenance Facility - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AERMOD Air Dispersion Model Reports

- **Contour Map Output File**
- **Zoomed Contour Map with Posting**
- **Results Summary Report**
- **Control Pathway Report**
- **Meteorological Data Pathway Report**
- **Source Pathway Report**
- **Source Variable Emissions Report**
- **Receptor Pathway Report**

PROJECT TITLE:

LADOT EBMF Construction - Contour Plot
Annual Average Diesel PM Concentration



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL ug/m^3

Max: 0.106 [ug/m^3] at (383548.40, 3755613.66)

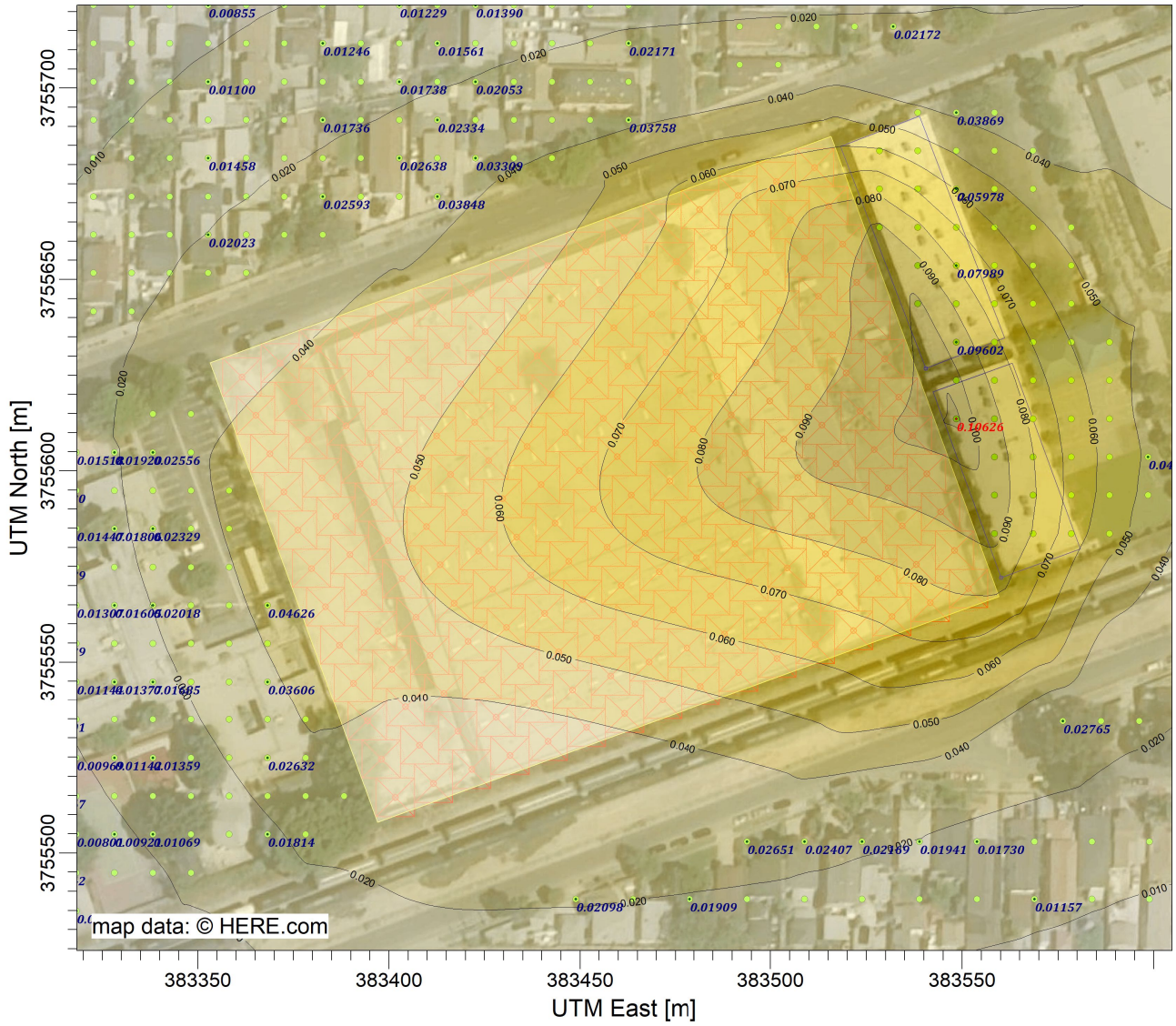
0.005 0.010 0.020 0.040 0.050 0.060 0.070 0.080 0.090 0.100 0.105

COMMENTS:	SOURCES: 192	COMPANY NAME: TAHA	
	RECEPTORS: 643	MODELER: Anders Sutherland	
	OUTPUT TYPE: Concentration	SCALE: 1:2,500 — 0 — 0.05 km	
	MAX: 0.106 ug/m^3	DATE: 12/24/2021	PROJECT NO.:

taha environmental planners

PROJECT TITLE:

LADOT EBMF Construction - Contour Plot with Posting
Annual Average Diesel PM Concentration



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL ug/m^3

Max: 0.106 [ug/m^3] at (383548.40, 3755613.66)

0.005 0.010 0.020 0.040 0.050 0.060 0.070 0.080 0.090 0.100 0.105

COMMENTS:	SOURCES: 192	COMPANY NAME: TAHA	
	RECEPTORS: 643	MODELER: Anders Sutherland	taha environmental planners
	OUTPUT TYPE: Concentration	SCALE: 1:1,800 (0 — 0.05 km)	
	MAX: 0.106 ug/m^3	DATE: 12/24/2021	PROJECT NO.:

Results Summary

C:\~Local TAHA Files\2020-086 LADOT-EBMF\2020-086 LADOT-EBMF.isc

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1.66881	ug/m^3	383528.40	3755663.66	32.98	0.00	32.98	2/6/2012, 17
PERIOD		0.10626	ug/m^3	383548.40	3755613.66	32.97	0.00	32.97	

Control Pathway

Dispersion Options

Titles

C:\~Local TAHA Files\2020-086 LADOT-EBMF\2020-086 LADOT-EBMF.isc

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours

☑	☐	☐	☐	☐	☐	☐	☐
1	2	3	4	6	8	12	24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Default half-life of 4 hours will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☑ Yes ☐ No

Default Height = 1.50 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: 2020-086 LADOT-EBMF.err

Meteorology Pathway

Met Input Data

Surface Met Data

Filename: ..\~Resources & References\SCAQMD\met data\HawthorneAirportADJU\KHHR_V9_ADJU\KHHR_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\~Resources & References\SCAQMD\met data\HawthorneAirportADJU\KHHR_V9_ADJU\KHHR_v9.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 19.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Source Pathway - Source Inputs

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E1	383361.50	3755624.50	33.16	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E2	383371.50	3755628.15	32.95	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E3	383381.50	3755631.80	33.13	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E4	383391.50	3755635.45	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E5	383401.50	3755639.10	33.29	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E6	383411.50	3755642.75	33.32	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E7	383421.50	3755646.40	33.38	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E8	383431.50	3755650.05	33.46	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E9	383441.50	3755653.70	33.38	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E10	383451.50	3755657.35	33.40	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E11	383461.50	3755661.00	33.28	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E12	383471.50	3755664.65	33.09	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E13	383481.50	3755668.30	33.15	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E14	383491.50	3755671.95	33.06	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E15	383501.50	3755675.60	32.89	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E16	383511.50	3755679.25	32.78	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E17	383365.15	3755614.50	33.32	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E18	383375.15	3755618.15	32.95	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E19	383385.15	3755621.80	33.11	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E20	383395.15	3755625.45	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E21	383405.15	3755629.10	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E22	383415.15	3755632.75	33.40	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E23	383425.15	3755636.40	33.44	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E24	383435.15	3755640.05	33.48	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E25	383445.15	3755643.70	33.47	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E26	383455.15	3755647.35	33.43	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E27	383465.15	3755651.00	33.32	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E28	383475.15	3755654.65	33.16	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E29	383485.15	3755658.30	33.14	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E30	383495.15	3755661.95	33.08	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E31	383505.15	3755665.60	32.93	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E32	383515.15	3755669.25	32.85	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E33	383368.80	3755604.50	33.42	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E34	383378.80	3755608.15	33.00	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E35	383388.80	3755611.80	33.12	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E36	383398.80	3755615.45	33.18	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E37	383408.80	3755619.10	33.29	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E38	383418.80	3755622.75	33.31	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E39	383428.80	3755626.40	33.36	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E40	383438.80	3755630.05	33.40	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E41	383448.80	3755633.70	33.42	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E42	383458.80	3755637.35	33.40	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E43	383468.80	3755641.00	33.31	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E44	383478.80	3755644.65	33.16	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E45	383488.80	3755648.30	33.09	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E46	383498.80	3755651.95	33.08	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E47	383508.80	3755655.60	32.95	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E48	383518.80	3755659.25	32.83	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E49	383372.45	3755594.50	33.50	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E50	383382.45	3755598.15	32.99	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E51	383392.45	3755601.80	33.05	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E52	383402.45	3755605.45	33.12	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E53	383412.45	3755609.10	33.18	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E54	383422.45	3755612.75	33.23	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E55	383432.45	3755616.40	33.28	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E56	383442.45	3755620.05	33.32	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E57	383452.45	3755623.70	33.37	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E58	383462.45	3755627.35	33.40	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E59	383472.45	3755631.00	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E60	383482.45	3755634.65	33.20	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E61	383492.45	3755638.30	33.14	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E62	383502.45	3755641.95	33.10	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E63	383512.45	3755645.60	32.97	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E64	383522.45	3755649.25	32.93	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E65	383376.10	3755584.50	33.56	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E66	383386.10	3755588.15	33.07	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E67	383396.10	3755591.80	33.00	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E68	383406.10	3755595.45	33.06	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E69	383416.10	3755599.10	33.10	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E70	383426.10	3755602.75	33.15	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E71	383436.10	3755606.40	33.20	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E72	383446.10	3755610.05	33.24	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E73	383456.10	3755613.70	33.29	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E74	383466.10	3755617.35	33.33	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E75	383476.10	3755621.00	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E76	383486.10	3755624.65	33.24	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E77	383496.10	3755628.30	33.18	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E78	383506.10	3755631.95	33.12	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E79	383516.10	3755635.60	33.02	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E80	383526.10	3755639.25	33.00	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E81	383379.75	3755574.50	33.60	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E82	383389.75	3755578.15	33.04	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E83	383399.75	3755581.80	32.98	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E84	383409.75	3755585.45	33.02	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E85	383419.75	3755589.10	33.07	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E86	383429.75	3755592.75	33.11	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E87	383439.75	3755596.40	33.16	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E88	383449.75	3755600.05	33.21	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E89	383459.75	3755603.70	33.25	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E90	383469.75	3755607.35	33.30	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E91	383479.75	3755611.00	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E92	383489.75	3755614.65	33.28	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E93	383499.75	3755618.30	33.19	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E94	383509.75	3755621.95	33.13	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E95	383519.75	3755625.60	33.00	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E96	383529.75	3755629.25	33.00	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E97	383383.40	3755564.50	33.64	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E98	383393.40	3755568.15	33.11	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E99	383403.40	3755571.80	32.99	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E100	383413.40	3755575.45	33.05	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E101	383423.40	3755579.10	33.10	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E102	383433.40	3755582.75	33.11	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E103	383443.40	3755586.40	33.19	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E104	383453.40	3755590.05	33.22	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E105	383463.40	3755593.70	33.25	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E106	383473.40	3755597.35	33.32	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E107	383483.40	3755601.00	33.33	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E108	383493.40	3755604.65	33.27	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E109	383503.40	3755608.30	33.19	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E110	383513.40	3755611.95	33.12	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E111	383523.40	3755615.60	32.97	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E112	383533.40	3755619.25	32.92	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E113	383387.05	3755554.50	33.68	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E114	383397.05	3755558.15	33.17	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E115	383407.05	3755561.80	33.04	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E116	383417.05	3755565.45	33.09	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E117	383427.05	3755569.10	33.12	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E118	383437.05	3755572.75	33.20	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E119	383447.05	3755576.40	33.24	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E120	383457.05	3755580.05	33.29	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E121	383467.05	3755583.70	33.38	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E122	383477.05	3755587.35	33.31	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E123	383487.05	3755591.00	33.34	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E124	383497.05	3755594.65	33.24	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E125	383507.05	3755598.30	33.17	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E126	383517.05	3755601.95	33.11	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E127	383527.05	3755605.60	32.92	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E128	383537.05	3755609.25	32.86	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E129	383390.70	3755544.50	33.73	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E130	383400.70	3755548.15	33.31	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E131	383410.70	3755551.80	33.29	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E132	383420.70	3755555.45	33.48	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E133	383430.70	3755559.10	33.63	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E134	383440.70	3755562.75	33.60	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E135	383450.70	3755566.40	33.71	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E136	383460.70	3755570.05	33.54	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E137	383470.70	3755573.70	33.47	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E138	383480.70	3755577.35	33.33	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E139	383490.70	3755581.00	33.29	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E140	383500.70	3755584.65	33.19	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E141	383510.70	3755588.30	33.13	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E142	383520.70	3755591.95	33.06	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E143	383530.70	3755595.60	32.91	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E144	383540.70	3755599.25	32.80	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E145	383394.35	3755534.50	33.77	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E146	383404.35	3755538.15	33.36	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E147	383414.35	3755541.80	33.69	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E148	383424.35	3755545.45	33.99	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E149	383434.35	3755549.10	33.83	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E150	383444.35	3755552.75	33.71	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E151	383454.35	3755556.40	33.57	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E152	383464.35	3755560.05	33.42	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E153	383474.35	3755563.70	33.28	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E154	383484.35	3755567.35	33.23	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E155	383494.35	3755571.00	33.23	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E156	383504.35	3755574.65	33.16	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E157	383514.35	3755578.30	33.14	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E158	383524.35	3755581.95	33.08	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E159	383534.35	3755585.60	32.87	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E160	383544.35	3755589.25	32.69	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E161	383398.00	3755524.50	33.74	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E162	383408.00	3755528.15	33.59	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E163	383418.00	3755531.80	33.66	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E164	383428.00	3755535.45	33.71	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E165	383438.00	3755539.10	33.63	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E166	383448.00	3755542.75	33.52	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E167	383458.00	3755546.40	33.38	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E168	383468.00	3755550.05	33.24	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E169	383478.00	3755553.70	33.17	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E170	383488.00	3755557.35	33.19	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E171	383498.00	3755561.00	33.19	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E172	383508.00	3755564.65	33.14	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E173	383518.00	3755568.30	33.10	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E174	383528.00	3755571.95	33.06	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E175	383538.00	3755575.60	32.88	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E176	383548.00	3755579.25	32.70	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E177	383401.65	3755514.50	33.66	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E178	383411.65	3755518.15	33.58	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E179	383421.65	3755521.80	33.31	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E180	383431.65	3755525.45	33.21	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E181	383441.65	3755529.10	33.24	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E182	383451.65	3755532.75	33.18	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	E183	383461.65	3755536.40	33.17	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E184	383471.65	3755540.05	33.03	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E185	383481.65	3755543.70	33.06	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E186	383491.65	3755547.35	33.15	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E187	383501.65	3755551.00	33.03	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E188	383511.65	3755554.65	33.04	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E189	383521.65	3755558.30	32.99	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E190	383531.65	3755561.95	32.90	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E191	383541.65	3755565.60	32.76	5.00	0.00002	10.00	Surface-Based	2.33	1.40
VOLUME	E192	383551.65	3755569.25	32.59	5.00	0.00002	10.00	Surface-Based	2.33	1.40

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Variable Emissions

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Scenario 1

Source ID:	**E1**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E2**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E3**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E4**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00

Scenario: Scenario 1

Source ID:	**E4**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E5**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E6**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E7**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:		**E7**						
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		**E8**						
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		**E9**						
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		**E10**						
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E11**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Source ID:	**E12**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Source ID:	**E13**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Source ID:	**E14**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Saturday								

Source Pathway

Scenario: Scenario 1

Source ID:	**E14**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E15**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E16**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E17**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E17**							
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E18**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E19**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E20**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E21**							
Weekdays								

Source Pathway

Scenario: Scenario 1

Source ID:	**E21**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E22**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E23**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E24**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E24**							
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E25**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E26**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E27**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E27**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E28**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E29**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E30**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E31**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E31**							
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E32**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E33**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E34**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E34**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E35**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E36**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E37**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E37**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E38**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E39**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E40**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E41**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E41**						
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E42**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E43**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E44**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E44**							
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E45**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E46**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E47**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E48**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E49**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E50**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E51**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								

Source Pathway

Scenario: Scenario 1

Source ID:	**E51**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E52**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E53**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E54**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E54**							
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E55**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E56**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E57**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E58**							
Weekdays								

Source Pathway

Scenario: Scenario 1

Source ID:	**E58**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E59**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E60**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E61**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E61**						
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E62**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E63**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E64**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E64**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E65**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E66**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E67**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E68**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E68**							
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E69**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E70**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E71**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E71**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E72**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E73**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E74**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E74**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E75**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E76**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E77**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E78**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00

Scenario: Scenario 1

Source ID:	**E78**						
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E79**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E80**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E81**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E81**							
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E82**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E83**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E84**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E85**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E86**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E87**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E88**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								

Source Pathway

Scenario: Scenario 1

Source ID:	**E88**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E89**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E90**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E91**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E91**							
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E92**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E93**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E94**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E95**							
Weekdays								

Source Pathway

Scenario: Scenario 1

Source ID:	**E95**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E96**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E97**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E98**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E98**							
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E99**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E100**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E101**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E101**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E102**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E103**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E104**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E105**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E105**							
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E106**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E107**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E108**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E108**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E109**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E110**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E111**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E111**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E112**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E113**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E114**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E115**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00

Scenario: Scenario 1

Source ID:	**E115**						
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E116**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E117**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E118**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E118**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E119**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E120**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E121**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E122**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E123**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E124**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E125**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								

Source Pathway

Scenario: Scenario 1

Source ID:	**E125**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E126**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E127**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E128**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E128**							
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E129**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E130**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E131**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E132**							
Weekdays								

Source Pathway

Scenario: Scenario 1

Source ID:	**E132**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E133**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E134**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E135**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E135**						
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E136**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E137**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E138**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E138**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E139**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E140**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E141**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E142**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E142**							
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E143**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E144**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E145**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E145**							
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E146**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E147**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E148**							
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E148**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E149**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E150**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E151**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E152**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00

Scenario: Scenario 1

Source ID:	**E152**						
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E153**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E154**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E155**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E155**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E156**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E157**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E158**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E159**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E160**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E161**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E162**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								

Source Pathway

Scenario: Scenario 1

Source ID:	**E162**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E163**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E164**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E165**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E165**							
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E166**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E167**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E168**							
Weekdays								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E169**							
Weekdays								

Source Pathway

Scenario: Scenario 1

Source ID:	**E169**						
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E170**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E171**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E172**						
Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E172**						
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E173**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E174**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E175**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID:	**E175**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E176**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E177**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E178**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E179**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E179**							
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E180**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E181**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Sunday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E182**							
	Weekdays							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
	Saturday							
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E182**						
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E183**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E184**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E185**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Scenario 1

Source ID:	**E185**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E186**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E187**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E188**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E189**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00

Scenario: Scenario 1

Source ID:	**E189**						
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E190**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E191**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**E192**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID: **E192**

	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	383491.93	3755706.13		33.19	1.50
2	383491.93	3755716.13		33.21	1.50
3	383491.93	3755726.13		33.12	1.50
4	383491.93	3755736.13		33.08	1.50
5	383491.93	3755746.13		33.11	1.50
6	383491.93	3755756.13		33.13	1.50
7	383491.93	3755766.13		33.15	1.50
8	383491.93	3755776.13		33.22	1.50
9	383491.93	3755786.13		33.29	1.50
10	383491.93	3755796.13		33.28	1.50
11	383491.93	3755806.13		33.34	1.50
12	383501.93	3755706.13		33.06	1.50
13	383501.93	3755716.13		33.25	1.50
14	383501.93	3755726.13		33.20	1.50
15	383501.93	3755736.13		33.12	1.50
16	383501.93	3755746.13		33.13	1.50
17	383501.93	3755756.13		33.21	1.50
18	383501.93	3755766.13		33.22	1.50
19	383501.93	3755776.13		33.27	1.50
20	383501.93	3755786.13		33.30	1.50
21	383501.93	3755796.13		33.27	1.50
22	383501.93	3755806.13		33.27	1.50
23	383511.93	3755716.13		33.20	1.50
24	383511.93	3755726.13		33.18	1.50
25	383511.93	3755736.13		33.08	1.50
26	383511.93	3755746.13		33.09	1.50
27	383511.93	3755756.13		33.22	1.50
28	383511.93	3755766.13		33.35	1.50
29	383511.93	3755776.13		33.41	1.50
30	383511.93	3755786.13		33.37	1.50

31	383511.93	3755796.13	33.32	1.50
32	383511.93	3755806.13	33.27	1.50
33	383521.93	3755716.13	32.99	1.50
34	383521.93	3755726.13	33.11	1.50
35	383521.93	3755736.13	33.08	1.50
36	383521.93	3755746.13	33.03	1.50
37	383521.93	3755756.13	33.13	1.50
38	383521.93	3755766.13	33.31	1.50
39	383521.93	3755776.13	33.39	1.50
40	383521.93	3755786.13	33.34	1.50
41	383521.93	3755796.13	33.28	1.50
42	383521.93	3755806.13	33.23	1.50
43	383531.93	3755716.13	32.86	1.50
44	383531.93	3755726.13	33.02	1.50
45	383531.93	3755736.13	33.06	1.50
46	383531.93	3755746.13	33.07	1.50
47	383531.93	3755756.13	33.16	1.50
48	383531.93	3755766.13	33.25	1.50
49	383531.93	3755776.13	33.28	1.50
50	383531.93	3755786.13	33.28	1.50
51	383531.93	3755796.13	33.24	1.50
52	383531.93	3755806.13	33.17	1.50
53	383541.93	3755726.13	33.02	1.50
54	383541.93	3755736.13	33.11	1.50
55	383541.93	3755746.13	33.14	1.50
56	383541.93	3755756.13	33.14	1.50
57	383541.93	3755766.13	33.06	1.50
58	383541.93	3755776.13	33.04	1.50
59	383541.93	3755786.13	33.14	1.50
60	383541.93	3755796.13	33.17	1.50
61	383541.93	3755806.13	33.13	1.50
62	383551.93	3755726.13	32.89	1.50
63	383551.93	3755736.13	33.01	1.50
64	383551.93	3755746.13	33.05	1.50
65	383551.93	3755756.13	33.01	1.50
66	383551.93	3755766.13	33.00	1.50
67	383551.93	3755776.13	33.04	1.50
68	383551.93	3755786.13	33.09	1.50

AERMOD

69	383551.93	3755796.13	33.14	1.50
70	383551.93	3755806.13	33.12	1.50
71	383561.93	3755726.13	32.84	1.50
72	383561.93	3755736.13	33.06	1.50
73	383561.93	3755746.13	33.15	1.50
74	383561.93	3755756.13	33.21	1.50
75	383561.93	3755766.13	33.20	1.50
76	383561.93	3755776.13	33.11	1.50
77	383561.93	3755786.13	33.05	1.50
78	383561.93	3755796.13	33.07	1.50
79	383561.93	3755806.13	33.06	1.50
80	383571.93	3755736.13	32.95	1.50
81	383571.93	3755746.13	33.05	1.50
82	383571.93	3755756.13	33.05	1.50
83	383571.93	3755766.13	33.00	1.50
84	383571.93	3755776.13	33.00	1.50
85	383571.93	3755786.13	33.03	1.50
86	383571.93	3755796.13	33.07	1.50
87	383571.93	3755806.13	33.07	1.50
88	383581.93	3755736.13	32.88	1.50
89	383581.93	3755746.13	33.03	1.50
90	383581.93	3755756.13	33.07	1.50
91	383581.93	3755766.13	33.11	1.50
92	383581.93	3755776.13	33.06	1.50
93	383581.93	3755786.13	33.01	1.50
94	383581.93	3755796.13	33.05	1.50
95	383581.93	3755806.13	33.09	1.50
96	383591.93	3755736.13	32.84	1.50
97	383591.93	3755746.13	33.02	1.50
98	383591.93	3755756.13	33.06	1.50
99	383591.93	3755766.13	33.06	1.50
100	383591.93	3755776.13	33.08	1.50
101	383591.93	3755786.13	33.07	1.50
102	383591.93	3755796.13	33.04	1.50
103	383591.93	3755806.13	33.08	1.50
104	383601.93	3755746.13	32.92	1.50
105	383601.93	3755756.13	33.04	1.50
106	383601.93	3755766.13	33.05	1.50

AERMOD

107	383601.93	3755776.13	33.08	1.50
108	383601.93	3755786.13	33.02	1.50
109	383601.93	3755796.13	32.97	1.50
110	383601.93	3755806.13	33.02	1.50
111	383611.93	3755746.13	32.82	1.50
112	383611.93	3755756.13	33.00	1.50
113	383611.93	3755766.13	33.00	1.50
114	383611.93	3755776.13	32.99	1.50
115	383611.93	3755786.13	32.96	1.50
116	383611.93	3755796.13	32.96	1.50
117	383611.93	3755806.13	32.96	1.50
118	383621.93	3755756.13	32.81	1.50
119	383621.93	3755766.13	32.87	1.50
120	383621.93	3755776.13	32.93	1.50
121	383621.93	3755786.13	33.06	1.50
122	383621.93	3755796.13	33.12	1.50
123	383621.93	3755806.13	33.03	1.50
124	383631.93	3755756.13	32.80	1.50
125	383631.93	3755766.13	32.91	1.50
126	383631.93	3755776.13	32.93	1.50
127	383631.93	3755786.13	33.01	1.50
128	383631.93	3755796.13	33.02	1.50
129	383631.93	3755806.13	32.96	1.50
130	383641.93	3755756.13	32.73	1.50
131	383641.93	3755766.13	32.91	1.50
132	383641.93	3755776.13	32.99	1.50
133	383641.93	3755786.13	33.01	1.50
134	383641.93	3755796.13	32.99	1.50
135	383641.93	3755806.13	32.95	1.50
136	383651.93	3755766.13	32.92	1.50
137	383651.93	3755776.13	33.05	1.50
138	383651.93	3755786.13	32.97	1.50
139	383651.93	3755796.13	32.93	1.50
140	383651.93	3755806.13	32.97	1.50
141	383661.93	3755766.13	32.70	1.50
142	383661.93	3755776.13	32.77	1.50
143	383661.93	3755786.13	32.80	1.50
144	383661.93	3755796.13	32.88	1.50

AERMOD

145	383661.93	3755806.13	32.90	1.50
146	383576.18	3755534.46	32.30	0.00
147	383586.18	3755534.46	32.33	0.00
148	383596.18	3755534.46	32.31	0.00
149	383606.18	3755534.46	32.32	0.00
150	383606.18	3755544.46	32.33	0.00
151	383616.18	3755534.46	32.32	0.00
152	383616.18	3755544.46	32.36	0.00
153	383626.18	3755534.46	32.36	0.00
154	383626.18	3755544.46	32.38	0.00
155	383636.18	3755534.46	32.32	0.00
156	383636.18	3755544.46	32.47	0.00
157	383636.18	3755554.46	32.45	0.00
158	383646.18	3755534.46	32.30	0.00
159	383646.18	3755544.46	32.52	0.00
160	383646.18	3755554.46	32.45	0.00
161	383656.18	3755534.46	32.31	0.00
162	383656.18	3755544.46	32.40	0.00
163	383656.18	3755554.46	32.36	0.00
164	383656.18	3755564.46	32.28	0.00
165	383666.18	3755534.46	32.35	0.00
166	383666.18	3755544.46	32.43	0.00
167	383666.18	3755554.46	32.20	0.00
168	383666.18	3755564.46	32.21	0.00
169	383676.18	3755534.46	32.29	0.00
170	383676.18	3755544.46	32.28	0.00
171	383676.18	3755554.46	32.22	0.00
172	383676.18	3755564.46	32.25	0.00
173	383686.18	3755534.46	32.26	0.00
174	383686.18	3755544.46	32.31	0.00
175	383686.18	3755554.46	32.37	0.00
176	383686.18	3755564.46	32.37	0.00
177	383686.18	3755574.46	32.26	0.00
178	383696.18	3755534.46	32.21	0.00
179	383696.18	3755544.46	32.28	0.00
180	383696.18	3755554.46	32.36	0.00
181	383696.18	3755564.46	32.30	0.00
182	383696.18	3755574.46	32.22	0.00

AERMOD

183	383706.18	3755534.46	32.26	0.00
184	383706.18	3755544.46	32.33	0.00
185	383706.18	3755554.46	32.30	0.00
186	383706.18	3755564.46	32.37	0.00
187	383706.18	3755574.46	32.34	0.00
188	383716.18	3755534.46	32.38	0.00
189	383716.18	3755544.46	32.43	0.00
190	383716.18	3755554.46	32.50	0.00
191	383716.18	3755564.46	32.33	0.00
192	383716.18	3755574.46	32.30	0.00
193	383716.18	3755584.46	32.17	0.00
194	383726.18	3755534.46	32.29	0.00
195	383726.18	3755544.46	32.37	0.00
196	383726.18	3755554.46	32.35	0.00
197	383726.18	3755564.46	32.36	0.00
198	383726.18	3755574.46	32.28	0.00
199	383726.18	3755584.46	32.17	0.00
200	383736.18	3755554.46	32.21	0.00
201	383736.18	3755564.46	32.25	0.00
202	383736.18	3755574.46	32.27	0.00
203	383736.18	3755584.46	32.31	0.00
204	383736.18	3755594.46	32.10	0.00
205	383746.18	3755564.46	32.05	0.00
206	383746.18	3755574.46	32.13	0.00
207	383746.18	3755584.46	32.23	0.00
208	383746.18	3755594.46	32.14	0.00
209	383756.18	3755564.46	32.03	0.00
210	383756.18	3755574.46	32.09	0.00
211	383756.18	3755584.46	32.09	0.00
212	383756.18	3755594.46	32.15	0.00
213	383766.18	3755574.46	32.09	0.00
214	383766.18	3755584.46	32.11	0.00
215	383766.18	3755594.46	32.22	0.00
216	383766.18	3755604.46	32.14	0.00
217	383776.18	3755584.46	32.22	0.00
218	383776.18	3755594.46	32.23	0.00
219	383776.18	3755604.46	32.12	0.00
220	383786.18	3755594.46	32.19	0.00

221	383786.18	3755604.46	32.19	0.00
222	383796.18	3755604.46	32.18	0.00
223	383796.18	3755614.46	32.07	0.00
224	383806.18	3755604.46	32.10	0.00
225	383806.18	3755614.46	32.04	0.00
226	383816.18	3755604.46	32.08	0.00
227	383816.18	3755614.46	32.05	0.00
228	383816.18	3755624.46	32.00	0.00
229	383343.80	3755443.00	32.82	0.00
230	383358.80	3755443.00	32.93	0.00
231	383373.80	3755443.00	33.02	0.00
232	383373.80	3755458.00	32.91	0.00
233	383388.80	3755443.00	33.11	0.00
234	383388.80	3755458.00	32.98	0.00
235	383403.80	3755443.00	32.78	0.00
236	383403.80	3755458.00	32.84	0.00
237	383418.80	3755443.00	32.70	0.00
238	383418.80	3755458.00	32.80	0.00
239	383418.80	3755473.00	32.74	0.00
240	383433.80	3755443.00	32.76	0.00
241	383433.80	3755458.00	32.79	0.00
242	383433.80	3755473.00	32.71	0.00
243	383448.80	3755443.00	32.72	0.00
244	383448.80	3755458.00	32.80	0.00
245	383448.80	3755473.00	32.67	0.00
246	383448.80	3755488.00	32.79	0.00
247	383463.80	3755443.00	32.62	0.00
248	383463.80	3755458.00	32.77	0.00
249	383463.80	3755473.00	32.62	0.00
250	383463.80	3755488.00	32.75	0.00
251	383478.80	3755443.00	32.53	0.00
252	383478.80	3755458.00	32.66	0.00
253	383478.80	3755473.00	32.60	0.00
254	383478.80	3755488.00	32.64	0.00
255	383493.80	3755443.00	32.50	0.00
256	383493.80	3755458.00	32.54	0.00
257	383493.80	3755473.00	32.50	0.00
258	383493.80	3755488.00	32.63	0.00

259	383493.80	3755503.00	32.51	0.00
260	383508.80	3755443.00	32.46	0.00
261	383508.80	3755458.00	32.49	0.00
262	383508.80	3755473.00	32.46	0.00
263	383508.80	3755488.00	32.62	0.00
264	383508.80	3755503.00	32.56	0.00
265	383523.80	3755443.00	32.36	0.00
266	383523.80	3755458.00	32.40	0.00
267	383523.80	3755473.00	32.40	0.00
268	383523.80	3755488.00	32.52	0.00
269	383523.80	3755503.00	32.58	0.00
270	383538.80	3755443.00	32.26	0.00
271	383538.80	3755458.00	32.31	0.00
272	383538.80	3755473.00	32.36	0.00
273	383538.80	3755488.00	32.42	0.00
274	383538.80	3755503.00	32.47	0.00
275	383553.80	3755443.00	32.40	0.00
276	383553.80	3755458.00	32.39	0.00
277	383553.80	3755473.00	32.31	0.00
278	383553.80	3755488.00	32.42	0.00
279	383553.80	3755503.00	32.47	0.00
280	383568.80	3755443.00	32.28	0.00
281	383568.80	3755458.00	32.28	0.00
282	383568.80	3755473.00	32.19	0.00
283	383568.80	3755488.00	32.32	0.00
284	383568.80	3755503.00	32.44	0.00
285	383583.80	3755443.00	32.27	0.00
286	383583.80	3755458.00	32.25	0.00
287	383583.80	3755473.00	32.22	0.00
288	383583.80	3755488.00	32.26	0.00
289	383583.80	3755503.00	32.30	0.00
290	383598.80	3755443.00	32.35	0.00
291	383598.80	3755458.00	32.35	0.00
292	383598.80	3755473.00	32.15	0.00
293	383598.80	3755488.00	32.23	0.00
294	383598.80	3755503.00	32.25	0.00
295	383613.80	3755443.00	32.24	0.00
296	383613.80	3755458.00	32.25	0.00

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297	383613.80	3755473.00	32.12	0.00
298	383613.80	3755488.00	32.19	0.00
299	383613.80	3755503.00	32.24	0.00
300	383628.80	3755443.00	32.04	0.00
301	383628.80	3755458.00	32.06	0.00
302	383628.80	3755473.00	32.25	0.00
303	383628.80	3755488.00	32.32	0.00
304	383628.80	3755503.00	32.24	0.00
305	383643.80	3755443.00	32.00	0.00
306	383643.80	3755458.00	32.08	0.00
307	383643.80	3755473.00	32.04	0.00
308	383643.80	3755488.00	32.16	0.00
309	383643.80	3755503.00	32.15	0.00
310	383658.80	3755443.00	31.97	0.00
311	383658.80	3755458.00	32.03	0.00
312	383658.80	3755473.00	32.06	0.00
313	383658.80	3755488.00	32.15	0.00
314	383658.80	3755503.00	32.10	0.00
315	383292.62	3755631.71	33.55	0.00
316	383292.62	3755641.71	33.69	0.00
317	383292.62	3755651.71	33.60	0.00
318	383292.62	3755661.71	33.66	0.00
319	383292.62	3755671.71	33.59	0.00
320	383292.62	3755681.71	33.57	0.00
321	383292.62	3755691.71	33.71	0.00
322	383292.62	3755701.71	33.75	0.00
323	383292.62	3755711.71	33.77	0.00
324	383292.62	3755721.71	33.77	0.00
325	383292.62	3755731.71	33.53	0.00
326	383302.62	3755631.71	33.42	0.00
327	383302.62	3755641.71	33.67	0.00
328	383302.62	3755651.71	33.68	0.00
329	383302.62	3755661.71	33.67	0.00
330	383302.62	3755671.71	33.67	0.00
331	383302.62	3755681.71	33.58	0.00
332	383302.62	3755691.71	33.64	0.00
333	383302.62	3755701.71	33.71	0.00
334	383302.62	3755711.71	33.76	0.00

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335	383302.62	3755721.71	33.76	0.00
336	383302.62	3755731.71	33.46	0.00
337	383312.62	3755641.71	33.60	0.00
338	383312.62	3755651.71	33.66	0.00
339	383312.62	3755661.71	33.81	0.00
340	383312.62	3755671.71	33.68	0.00
341	383312.62	3755681.71	33.62	0.00
342	383312.62	3755691.71	33.60	0.00
343	383312.62	3755701.71	33.54	0.00
344	383312.62	3755711.71	33.60	0.00
345	383312.62	3755721.71	33.62	0.00
346	383312.62	3755731.71	33.40	0.00
347	383322.62	3755641.71	33.31	0.00
348	383322.62	3755651.71	33.44	0.00
349	383322.62	3755661.71	33.53	0.00
350	383322.62	3755671.71	33.46	0.00
351	383322.62	3755681.71	33.50	0.00
352	383322.62	3755691.71	33.51	0.00
353	383322.62	3755701.71	33.55	0.00
354	383322.62	3755711.71	33.51	0.00
355	383322.62	3755721.71	33.48	0.00
356	383322.62	3755731.71	33.36	0.00
357	383332.62	3755641.71	33.20	0.00
358	383332.62	3755651.71	33.35	0.00
359	383332.62	3755661.71	33.43	0.00
360	383332.62	3755671.71	33.42	0.00
361	383332.62	3755681.71	33.46	0.00
362	383332.62	3755691.71	33.46	0.00
363	383332.62	3755701.71	33.41	0.00
364	383332.62	3755711.71	33.38	0.00
365	383332.62	3755721.71	33.36	0.00
366	383332.62	3755731.71	33.31	0.00
367	383342.62	3755651.71	33.45	0.00
368	383342.62	3755661.71	33.52	0.00
369	383342.62	3755671.71	33.43	0.00
370	383342.62	3755681.71	33.47	0.00
371	383342.62	3755691.71	33.48	0.00
372	383342.62	3755701.71	33.36	0.00

373	383342.62	3755711.71	33.38	0.00
374	383342.62	3755721.71	33.38	0.00
375	383342.62	3755731.71	33.31	0.00
376	383352.62	3755651.71	33.29	0.00
377	383352.62	3755661.71	33.38	0.00
378	383352.62	3755671.71	33.40	0.00
379	383352.62	3755681.71	33.48	0.00
380	383352.62	3755691.71	33.50	0.00
381	383352.62	3755701.71	33.38	0.00
382	383352.62	3755711.71	33.34	0.00
383	383352.62	3755721.71	33.30	0.00
384	383352.62	3755731.71	33.27	0.00
385	383362.62	3755651.71	33.14	0.00
386	383362.62	3755661.71	33.28	0.00
387	383362.62	3755671.71	33.33	0.00
388	383362.62	3755681.71	33.38	0.00
389	383362.62	3755691.71	33.36	0.00
390	383362.62	3755701.71	33.30	0.00
391	383362.62	3755711.71	33.28	0.00
392	383362.62	3755721.71	33.29	0.00
393	383362.62	3755731.71	33.24	0.00
394	383372.62	3755661.71	33.22	0.00
395	383372.62	3755671.71	33.40	0.00
396	383372.62	3755681.71	33.34	0.00
397	383372.62	3755691.71	33.42	0.00
398	383372.62	3755701.71	33.38	0.00
399	383372.62	3755711.71	33.29	0.00
400	383372.62	3755721.71	33.33	0.00
401	383372.62	3755731.71	33.24	0.00
402	383382.62	3755661.71	33.19	0.00
403	383382.62	3755671.71	33.29	0.00
404	383382.62	3755681.71	33.25	0.00
405	383382.62	3755691.71	33.37	0.00
406	383382.62	3755701.71	33.26	0.00
407	383382.62	3755711.71	33.30	0.00
408	383382.62	3755721.71	33.22	0.00
409	383382.62	3755731.71	33.17	0.00
410	383392.62	3755671.71	33.24	0.00

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411	383392.62	3755681.71	33.27	0.00
412	383392.62	3755691.71	33.23	0.00
413	383392.62	3755701.71	33.20	0.00
414	383392.62	3755711.71	33.23	0.00
415	383392.62	3755721.71	33.29	0.00
416	383392.62	3755731.71	33.19	0.00
417	383402.62	3755671.71	33.12	0.00
418	383402.62	3755681.71	33.28	0.00
419	383402.62	3755691.71	33.31	0.00
420	383402.62	3755701.71	33.20	0.00
421	383402.62	3755711.71	33.23	0.00
422	383402.62	3755721.71	33.22	0.00
423	383402.62	3755731.71	33.13	0.00
424	383412.62	3755671.71	33.04	0.00
425	383412.62	3755681.71	33.18	0.00
426	383412.62	3755691.71	33.22	0.00
427	383412.62	3755701.71	33.20	0.00
428	383412.62	3755711.71	33.25	0.00
429	383412.62	3755721.71	33.21	0.00
430	383412.62	3755731.71	33.12	0.00
431	383422.62	3755681.71	33.14	0.00
432	383422.62	3755691.71	33.20	0.00
433	383422.62	3755701.71	33.21	0.00
434	383422.62	3755711.71	33.21	0.00
435	383422.62	3755721.71	33.26	0.00
436	383422.62	3755731.71	33.09	0.00
437	383432.62	3755681.71	33.13	0.00
438	383432.62	3755691.71	33.20	0.00
439	383432.62	3755701.71	33.18	0.00
440	383432.62	3755711.71	33.21	0.00
441	383432.62	3755721.71	33.26	0.00
442	383432.62	3755731.71	33.07	0.00
443	383442.62	3755681.71	33.06	0.00
444	383442.62	3755691.71	33.24	0.00
445	383442.62	3755701.71	33.18	0.00
446	383442.62	3755711.71	33.24	0.00
447	383442.62	3755721.71	33.23	0.00
448	383442.62	3755731.71	33.08	0.00

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449	383452.62	3755691.71	33.23	0.00
450	383452.62	3755701.71	33.18	0.00
451	383452.62	3755711.71	33.24	0.00
452	383452.62	3755721.71	33.22	0.00
453	383452.62	3755731.71	33.07	0.00
454	383462.62	3755691.71	33.01	0.00
455	383462.62	3755701.71	33.07	0.00
456	383462.62	3755711.71	33.18	0.00
457	383462.62	3755721.71	33.15	0.00
458	383462.62	3755731.71	32.99	0.00
459	383528.40	3755663.66	32.98	0.00
460	383528.40	3755673.66	33.01	0.00
461	383528.40	3755683.66	33.03	0.00
462	383538.40	3755643.66	33.05	0.00
463	383538.40	3755653.66	33.00	0.00
464	383538.40	3755663.66	32.98	0.00
465	383538.40	3755673.66	32.99	0.00
466	383538.40	3755683.66	32.97	0.00
467	383538.40	3755693.66	32.79	0.00
468	383548.40	3755613.66	32.97	0.00
469	383548.40	3755623.66	33.04	0.00
470	383548.40	3755633.66	33.05	0.00
471	383548.40	3755643.66	33.04	0.00
472	383548.40	3755653.66	33.02	0.00
473	383548.40	3755663.66	33.00	0.00
474	383548.40	3755673.66	32.95	0.00
475	383548.40	3755683.66	32.87	0.00
476	383548.40	3755693.66	32.78	0.00
477	383558.40	3755583.66	32.76	0.00
478	383558.40	3755593.66	32.86	0.00
479	383558.40	3755603.66	32.93	0.00
480	383558.40	3755613.66	33.01	0.00
481	383558.40	3755623.66	33.01	0.00
482	383558.40	3755633.66	33.06	0.00
483	383558.40	3755643.66	33.10	0.00
484	383558.40	3755653.66	33.09	0.00
485	383558.40	3755663.66	33.06	0.00
486	383558.40	3755673.66	32.99	0.00

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487	383558.40	3755683.66	32.90	0.00
488	383558.40	3755693.66	32.82	0.00
489	383568.40	3755583.66	32.87	0.00
490	383568.40	3755593.66	32.91	0.00
491	383568.40	3755603.66	32.94	0.00
492	383568.40	3755613.66	32.97	0.00
493	383568.40	3755623.66	32.99	0.00
494	383568.40	3755633.66	33.09	0.00
495	383568.40	3755643.66	33.17	0.00
496	383568.40	3755653.66	33.14	0.00
497	383568.40	3755663.66	33.08	0.00
498	383568.40	3755673.66	33.02	0.00
499	383568.40	3755683.66	32.95	0.00
500	383578.40	3755583.66	32.82	0.00
501	383578.40	3755593.66	32.79	0.00
502	383578.40	3755603.66	32.80	0.00
503	383578.40	3755613.66	32.85	0.00
504	383578.40	3755623.66	32.96	0.00
505	383578.40	3755633.66	33.06	0.00
506	383578.40	3755643.66	33.10	0.00
507	383578.40	3755653.66	33.10	0.00
508	383578.40	3755663.66	33.05	0.00
509	383588.40	3755583.66	32.53	0.00
510	383588.40	3755593.66	32.56	0.00
511	383588.40	3755603.66	32.68	0.00
512	383588.40	3755613.66	32.80	0.00
513	383588.40	3755623.66	32.91	0.00
514	383588.40	3755633.66	33.01	0.00
515	383598.40	3755593.66	32.57	0.00
516	383598.40	3755603.66	32.70	0.00
517	383268.18	3755464.87	33.77	0.00
518	383278.18	3755474.87	34.20	0.00
519	383278.18	3755484.87	34.16	0.00
520	383278.18	3755494.87	34.09	0.00
521	383278.18	3755504.87	34.10	0.00
522	383278.18	3755514.87	34.11	0.00
523	383278.18	3755524.87	34.07	0.00
524	383278.18	3755534.87	33.91	0.00

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525	383278.18	3755544.87	33.82	0.00
526	383278.18	3755554.87	33.79	0.00
527	383278.18	3755564.87	33.74	0.00
528	383278.18	3755574.87	33.70	0.00
529	383288.18	3755474.87	33.92	0.00
530	383288.18	3755484.87	34.07	0.00
531	383288.18	3755494.87	34.07	0.00
532	383288.18	3755504.87	34.09	0.00
533	383288.18	3755514.87	34.10	0.00
534	383288.18	3755524.87	34.08	0.00
535	383288.18	3755534.87	33.89	0.00
536	383288.18	3755544.87	33.73	0.00
537	383288.18	3755554.87	33.68	0.00
538	383288.18	3755564.87	33.63	0.00
539	383288.18	3755574.87	33.57	0.00
540	383288.18	3755584.87	33.48	0.00
541	383288.18	3755594.87	33.36	0.00
542	383298.18	3755484.87	34.05	0.00
543	383298.18	3755494.87	34.06	0.00
544	383298.18	3755504.87	34.08	0.00
545	383298.18	3755514.87	34.10	0.00
546	383298.18	3755524.87	34.11	0.00
547	383298.18	3755534.87	34.03	0.00
548	383298.18	3755544.87	33.95	0.00
549	383298.18	3755554.87	33.92	0.00
550	383298.18	3755564.87	33.92	0.00
551	383298.18	3755574.87	33.85	0.00
552	383298.18	3755584.87	33.69	0.00
553	383298.18	3755594.87	33.60	0.00
554	383308.18	3755484.87	33.97	0.00
555	383308.18	3755494.87	34.08	0.00
556	383308.18	3755504.87	34.09	0.00
557	383308.18	3755514.87	34.06	0.00
558	383308.18	3755524.87	34.09	0.00
559	383308.18	3755534.87	34.04	0.00
560	383308.18	3755544.87	34.06	0.00
561	383308.18	3755554.87	34.11	0.00
562	383308.18	3755564.87	34.18	0.00

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563	383308.18	3755574.87	34.12	0.00
564	383308.18	3755584.87	33.89	0.00
565	383308.18	3755594.87	33.69	0.00
566	383308.18	3755604.87	33.46	0.00
567	383318.18	3755484.87	33.81	0.00
568	383318.18	3755494.87	34.06	0.00
569	383318.18	3755504.87	34.06	0.00
570	383318.18	3755514.87	34.04	0.00
571	383318.18	3755524.87	34.07	0.00
572	383318.18	3755534.87	34.06	0.00
573	383318.18	3755544.87	34.10	0.00
574	383318.18	3755554.87	34.14	0.00
575	383318.18	3755564.87	34.19	0.00
576	383318.18	3755574.87	34.14	0.00
577	383318.18	3755584.87	34.01	0.00
578	383318.18	3755594.87	33.88	0.00
579	383318.18	3755604.87	33.76	0.00
580	383328.18	3755494.87	34.03	0.00
581	383328.18	3755504.87	34.06	0.00
582	383328.18	3755514.87	34.05	0.00
583	383328.18	3755524.87	34.04	0.00
584	383328.18	3755534.87	34.06	0.00
585	383328.18	3755544.87	34.10	0.00
586	383328.18	3755554.87	34.14	0.00
587	383328.18	3755564.87	34.17	0.00
588	383328.18	3755574.87	34.14	0.00
589	383328.18	3755584.87	34.09	0.00
590	383328.18	3755594.87	34.08	0.00
591	383328.18	3755604.87	33.94	0.00
592	383338.18	3755494.87	33.89	0.00
593	383338.18	3755504.87	34.08	0.00
594	383338.18	3755514.87	34.17	0.00
595	383338.18	3755524.87	34.13	0.00
596	383338.18	3755534.87	34.12	0.00
597	383338.18	3755544.87	34.12	0.00
598	383338.18	3755554.87	34.13	0.00
599	383338.18	3755564.87	34.12	0.00
600	383338.18	3755574.87	34.06	0.00

				AERMOD
601	383338.18	3755584.87	34.04	0.00
602	383338.18	3755594.87	33.90	0.00
603	383338.18	3755604.87	33.66	0.00
604	383338.18	3755614.87	33.39	0.00
605	383348.18	3755494.87	33.87	0.00
606	383348.18	3755504.87	34.12	0.00
607	383348.18	3755514.87	34.10	0.00
608	383348.18	3755524.87	34.06	0.00
609	383348.18	3755534.87	34.08	0.00
610	383348.18	3755544.87	34.13	0.00
611	383348.18	3755554.87	34.13	0.00
612	383348.18	3755564.87	34.07	0.00
613	383348.18	3755574.87	33.93	0.00
614	383348.18	3755584.87	33.82	0.00
615	383348.18	3755594.87	33.74	0.00
616	383348.18	3755604.87	33.66	0.00
617	383348.18	3755614.87	33.60	0.00
618	383358.18	3755504.87	34.00	0.00
619	383358.18	3755514.87	34.08	0.00
620	383358.18	3755524.87	34.07	0.00
621	383358.18	3755534.87	34.06	0.00
622	383358.18	3755544.87	34.10	0.00
623	383358.18	3755554.87	34.09	0.00
624	383358.18	3755564.87	34.03	0.00
625	383358.18	3755574.87	33.93	0.00
626	383358.18	3755584.87	33.86	0.00
627	383358.18	3755594.87	33.83	0.00
628	383368.18	3755504.87	33.87	0.00
629	383368.18	3755514.87	34.12	0.00
630	383368.18	3755524.87	34.10	0.00
631	383368.18	3755534.87	34.08	0.00
632	383368.18	3755544.87	34.12	0.00
633	383368.18	3755554.87	34.10	0.00
634	383368.18	3755564.87	34.06	0.00
635	383378.18	3755504.87	33.90	0.00
636	383378.18	3755514.87	34.15	0.00
637	383378.18	3755524.87	34.13	0.00
638	383378.18	3755534.87	34.10	0.00

639	383388.18	3755514.87		34.05	0.00

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	383516.96	3755687.34	FENCEPRI	32.78	
2	383564.32	3755705.06	FENCEPRI	32.68	
3	383608.23	3755589.10	FENCEPRI	32.39	
4	383559.91	3755571.10	FENCEPRI	32.71	

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	FENCEINT	Cartesian plant boundary Intermediate Receptors
3	UCART1	Receptors generated from Uniform Cartesian Grid

Calculation Sheets

- **Risk Calculation Summary Table**
- **Diesel Particulate Matter Emission Rate Calculation**

Inhalation Pathway Health Risk Assessment Calculation Sheet

Unmitigated Emissions

Resident	Concentration ($\mu g/m^3$)	Daily Breath BR/BW [L/kg/day]	Conversion Factor CF	Absorption Fraction A	Exposure Frequency EF (350 days/365 days)	[Pollutant] * (BR/BW) * CF * A * EF **Dose (mg/kg/d)**	Age Sensitivity ASF	Fraction of Time at FAH	Cancer Potency CPF (kg-day/mg)	Exposure Duration ED (years)	Averaging Time AT (Years)	Dose * ASF * FAH * CPF * ED/AT * 1E6 **Unmitigated Risk (per million)**
Child	0.04145	861	0.000001	1	0.96	3.42E-05	3	0.72	1.1	2	70	**2.32**
Adult	0.04145	335	0.000001	1	0.96	1.33E-05	1	0.73	1.1	2	70	**0.31**
									SCAQMD Threshold			***10.00***

Unmitigated Emissions

Middle School	Concentration ($\mu g/m^3$)	8-hr Breath Rate BR/BW [L/kg/8-hr]	Conversion Factor CF	Absorption Fraction A	Exposure Frequency EF (180 days/365 days)	[Pollutant] * (BR/BW) * CF * A * EF **Dose (mg/kg/d)**	Age Sensitivity Factor ASF	School Adjustment Factor SAF	Cancer Potency Factor CPF (kg-day/mg)	Exposure Duration ED (years)	Averaging Time AT (Years)	Dose * ASF * FAH * CPF * ED/AT * 1E6 **Unmitigated Risk (per million)**
Child (Student)	0.10626	460	0.000001	1	0.50	2.44E-05	3	4.2	1.1	2	70	**9.68**
Adult (Staff/Faculty)	0.10626	240	0.000001	1	0.50	1.28E-05	1	4.2	1.1	2	70	**1.68**
									SCAQMD Threshold			***10.00***

Unmitigated Emissions

Kedren Community Center/Headstart School	Concentration ($\mu g/m^3$)	8-hr Breath Rate BR/BW [L/kg/8-hr]	Conversion Factor CF	Absorption Fraction A	Exposure Frequency EF (180 days/365 days)	[Pollutant] * (BR/BW) * CF * A * EF **Dose (mg/kg/d)**	Age Sensitivity Factor ASF	School Adjustment Factor SAF	Cancer Potency Factor CPF (kg-day/mg)	Exposure Duration ED (years)	Averaging Time AT (Years)	Dose * ASF * FAH * CPF * ED/AT * 1E6 **Unmitigated Risk (per million)**
Child (Student)	0.04626	640	0.000001	1	0.50	1.48E-05	3	4.2	1.1	2	70	**5.86**
Adult (Staff/Faculty)	0.04626	240	0.000001	1	0.50	5.55E-06	1	4.2	1.1	2	70	**0.73**
									SCAQMD Threshold			***10.00***

Diesel Particulate Matter Emission Rate Calculations for AERMOD

Phase Type	Start Date	End Date	Num Days Week	Num Days	CalEEMod Daily Unmitigated Off-Road Exhaust PM10 Emissions DPM (lb/day)
Demolition	6/17/2024	8/16/2024	5	45	0.3139
Site Preparation	8/19/2024	9/6/2024	5	15	0.4561
Grading	9/9/2024	11/8/2024	5	45	0.4313
Paving	11/11/2024	1/10/2025	5	45	0.3514
Building Construction	1/13/2025	5/29/2026	5	360	0.3048
Architectural Coating	3/30/2026	5/29/2026	5	45	0.1746

Total DPM (lbs)	173.7735
lbs./workday	0.340732
# sources	192
lbs./workday/source	0.001774648
daily construction hours	9
grams/pound	453.592
g/s/source - workdays	2.48446E-05

Attachment B – Project FTIP Listing

SCAG™

INNOVATING FOR A BETTER TOMORROW











FINAL 2021
FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM

TECHNICAL APPENDIX

VOLUME III OF III/PART A

FY 2020/21 - 2025/26
March 2021

FTIP ID	LEAD AGENCY	COUNTY	CONFORM CATEGORY	MODELING	AIR BASIN	TOTAL PROJECT COST	RTP ID	SYSTEM
LA0G901	Los Angeles A, City of	Los Angeles	TCM Committed	YES	SCAB	$250,000	LA0G901	Transit

PRIMARY PROGRAM CODE	PROJECT LIMITS	FTIP AMENDMENT
LRN07 - LIGHT RAIL SERVICE EQUIPMENT/OPERATING EQUIPMENT		LA County (METRO) - 21-00

DESCRIPTION

Historic Los Angeles Streetcar

PHASE	FUND SOURCE	PRIOR	20/21	21/22	22/23	23/24	24/25	25/26	FUTURE	TOTAL
PE	CITY - City Funds	$39,000	$0	$0	$0	$0	$0	$0	$0	$39,000
ROW	CITY - City Funds	$0	$36,000	$0	$0	$0	$0	$0	$0	$36,000
CON	CITY - City Funds	$0	$175,000	$0	$0	$0	$0	$0	$0	$175,000
TOTAL	TOTAL	$39,000	$211,000	$0	$0	$0	$0	$0	$0	$250,000

FTIP ID	LEAD AGENCY	COUNTY	CONFORM CATEGORY	MODELING	AIR BASIN	TOTAL PROJECT COST	RTP ID	SYSTEM
LA9918826	Los Angeles A, City of	Los Angeles	EXEMPT - 93.126		SCAB	$30,000	1TR1010	Transit

PRIMARY PROGRAM CODE	PROJECT LIMITS	FTIP AMENDMENT
BUR17 - BUSES-REPLACEMENT-ALTERNATIVE FUEL		LA County (METRO) - 21-00

DESCRIPTION

Replace Forty 30'and 35' DASH buses from CNG to battery-electric buses

PHASE	FUND SOURCE	PRIOR	20/21	21/22	22/23	23/24	24/25	25/26	FUTURE	TOTAL
CON	CITY - City Funds	$0	$0	$30,000	$0	$0	$0	$0	$0	$30,000
TOTAL	TOTAL	$0	$0	$30,000	$0	$0	$0	$0	$0	$30,000

FTIP ID	LEAD AGENCY	COUNTY	CONFORM CATEGORY	MODELING	AIR BASIN	TOTAL PROJECT COST	RTP ID	SYSTEM
LA9918827	Los Angeles A, City of	Los Angeles	EXEMPT - 93.126		SCAB	$95,000	1TR1010	Transit

PRIMARY PROGRAM CODE	PROJECT LIMITS	FTIP AMENDMENT
BUR17 - BUSES-REPLACEMENT-ALTERNATIVE FUEL		LA County (METRO) - 21-00

DESCRIPTION

Replace 95 commuter coach buses from CNG to Battery-Electric.

PHASE	FUND SOURCE	PRIOR	20/21	21/22	22/23	23/24	24/25	25/26	FUTURE	TOTAL
CON	CITY - City Funds	$0	$0	$0	$95,000	$0	$0	$0	$0	$95,000
TOTAL	TOTAL	$0	$0	$0	$95,000	$0	$0	$0	$0	$95,000

FTIP ID	LEAD AGENCY	COUNTY	CONFORM CATEGORY	MODELING	AIR BASIN	TOTAL PROJECT COST	RTP ID	SYSTEM
LA9918828	Los Angeles A, City of	Los Angeles	EXEMPT - 93.126		SCAB	$75,000	1TR1010	Transit

PRIMARY PROGRAM CODE	PROJECT LIMITS	FTIP AMENDMENT
NCN86 - MAINTENANCE/STORAGE FACILITY-NEW		LA County (METRO) - 21-00

DESCRIPTION

Construction of an all-electric bus maintenance facility in South Los Angeles

PHASE	FUND SOURCE	PRIOR	20/21	21/22	22/23	23/24	24/25	25/26	FUTURE	TOTAL
PE	CITY - City Funds	$0	$0	$2,000	$0	$0	$0	$0	$0	$2,000
CON	CITY - City Funds	$0	$0	$73,000	$0	$0	$0	$0	$0	$73,000
TOTAL	TOTAL	$0	$0	$75,000	$0	$0	$0	$0	$0	$75,000

FTIP ID	LEAD AGENCY	COUNTY	CONFORM CATEGORY	MODELING	AIR BASIN	TOTAL PROJECT COST	RTP ID	SYSTEM
LAF9439	Los Angeles A, City of	Los Angeles	EXEMPT - 93.127	NO	SCAB	$684	1TL104	Transit

PRIMARY PROGRAM CODE	PROJECT LIMITS	FTIP AMENDMENT
TRRH6 - PASSENGER STATIONS/FACILITIES-REHAB/IMPROVEMENTS		LA County (METRO) - 21-00

DESCRIPTION

Improvements to 24 bus stops on Western Avenue between Wilshire Boulevard and the 10 Freeway

PHASE	FUND SOURCE	PRIOR	20/21	21/22	22/23	23/24	24/25	25/26	FUTURE	TOTAL
PE	15CFP - LTF - Local Transportation	$0	$100	$0	$0	$0	$0	$0	$0	$100
CON	15CFP - LTF - Local Transportation	$0	$447	$0	$0	$0	$0	$0	$0	$447
PE	CITY - City Funds	$0	$25	$0	$0	$0	$0	$0	$0	$25
CON	CITY - City Funds	$0	$112	$0	$0	$0	$0	$0	$0	$112
TOTAL	TOTAL	$0	$684	$0	$0	$0	$0	$0	$0	$684