APPENDIX B

Health Risk Assessment

HEALTH RISK ASSESSMENT OF DIESEL EMISSIONS

FOR THE

LUCIA PARK PROJECT

625 N. Maryland Avenue and 620 N. Brand Boulevard
Glendale, California 91203

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Table of Contents

List of Tables

List of Figures

INTRODUCTION

This health risk assessment (HRA) has been prepared for the Lucia Park Project (Project) to assess potential health risk impacts on future residents from exposure to diesel emissions generated by vehicles on State Route 134 (SR-134) freeway. The assessment and dispersion modeling methodologies used in the preparation of this report are provided in **Attachment 1: Methodology**. Based on the California Air Resources Board's (CARB) *Air Quality and Land Use Handbook: A Community Perspective,* siting sensitive land uses such as residential uses close to freeways and high-traffic roads can increase the potential for adverse health effects. This report summarizes the protocol used to evaluate contaminant exposures and presents the results of the HRA.

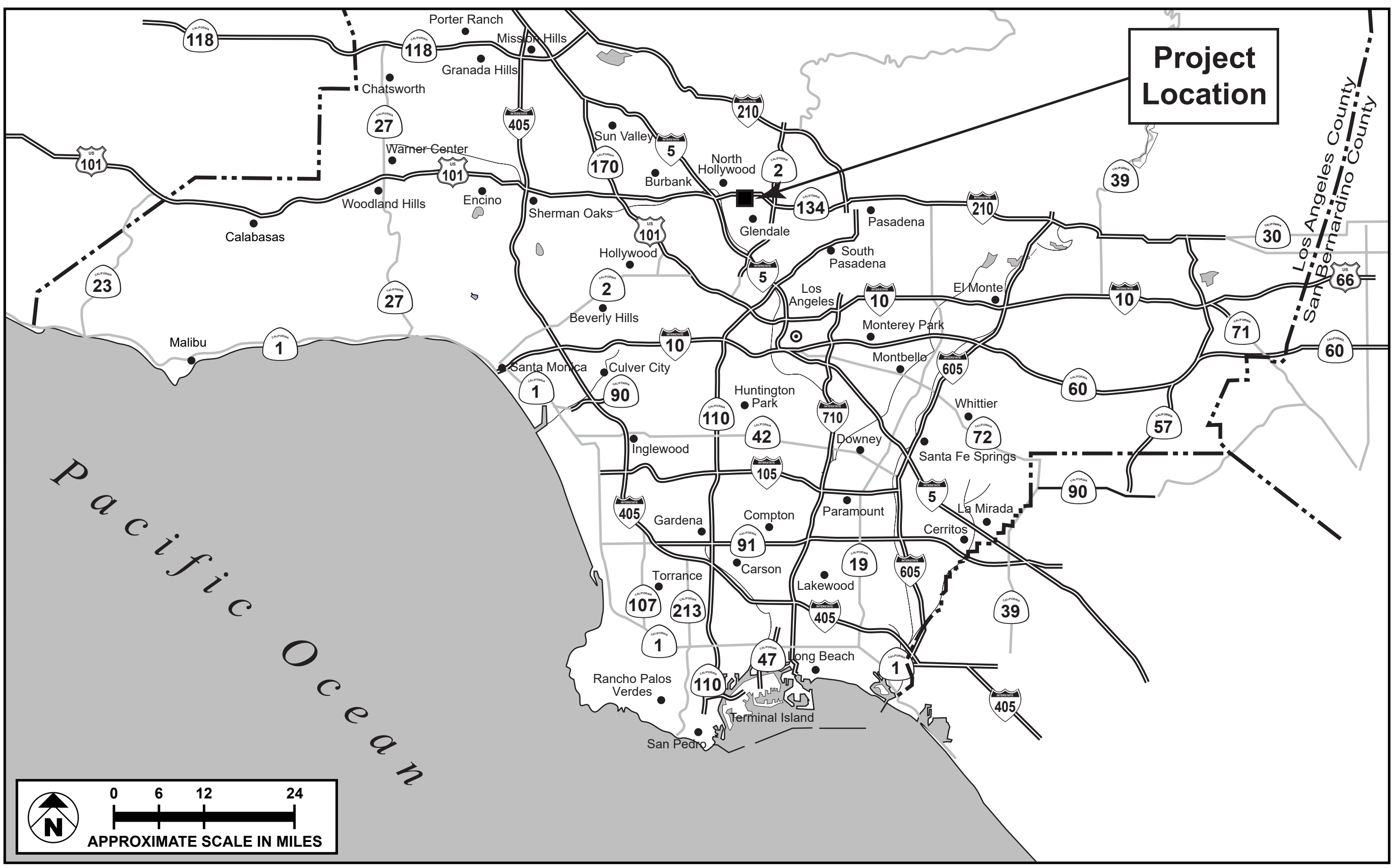
PROJECT DESCRIPTION AND LOCATION

The Project site is located directly south of State Route (SR-) 134 (Ventura) Freeway, east of Interstate (I-) 5 and west of SR-2 as shown in **Figure 1: Regional and Local Vicinity Map**. The Project site is located at 606 N. Maryland Avenue and 610 N. Brand Boulevard and bounded by the SR-134 Eastbound On-Ramp to the north, an existing commercial building, and an associated surface parking lot to the south, N. Brand Boulevard to the west, and N. Maryland Avenue to the east as shown in **Figure 2: Site Map, Existing Conditions**. The Project site includes two parcels, Assessor Parcel Numbers (APNs) 5643018032 and 5643018031.

The Project site is currently occupied by a two-story office building providing 5,297 square feet of floor area, an existing six-story commercial Chase Bank building providing approximately 45,125 square feet of office floor area, an associated parking structure, and surface parking lots. Cimmarusti Holdings is proposing to demolish the existing parking structure, two-story office building, and surface parking lots in order to construct a 24-story (265.5 feet) 294-unit apartment building containing 247 1-bedroom and 47 2-bedroom apartments. A parking garage containing 502 parking spaces, including 373 parking spaces for the proposed apartments and 129 replacement parking spaces for the existing office building is also proposed as part of the Project.

The Project would include landscaping on the first level, a number of community spaces throughout the building, including outdoor and private terraces and a pool on the fourth-floor and a dog park on the fifth floor. Terraces are also proposed on the sixth seventeenth, nineteenth, and twenty-first floors, including roof terraces on the twenty-third and twenty-fourth floors. The existing 6-story commercial Chase Bank building would remain on site. The Project when complete would include 129 replacement parking spaces for the existing commercial Chase Bank building in the 2 above ground levels of parking in addition to the 4-level subterranean parking garage containing 373 parking spaces for the proposed apartments. The total 502 automobile parking spaces and 115 bicycle parking spaces (96 long term and 19 short term) would be proposed.

The Project site is within the South Coast Air Basin (Basin), which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD) and includes the nondesert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The Basin is a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean to the west and high mountains around the perimeter. The topography and climate of southern California combine to make the Basin an area of high air pollution potential. Atmospheric conditions such as wind speed, wind direction, and air temperature gradients interact with the physical features of the landscape to determine the movement and dispersal of air pollutants, including toxic air contaminants (TACs). The general region lies in the semipermanent high- to light-average wind speeds. The usually mild climatological pattern is disrupted occasionally by periods of extremely hot weather, winter storms, or Santa Ana winds. During the summer months, a warm air mass frequently descents over the cool, moist marine layer produced by the interaction between the ocean's surface and the lowest layer of the atmosphere. The warm upper layer forms a camp over the cool marine layer and inhibits the pollutant in the marine later from dispersing upward. Light winds during the summer further limit ventilation. Furthermore, sunlight triggers the photochemical reactions that produce ozone.



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE 1

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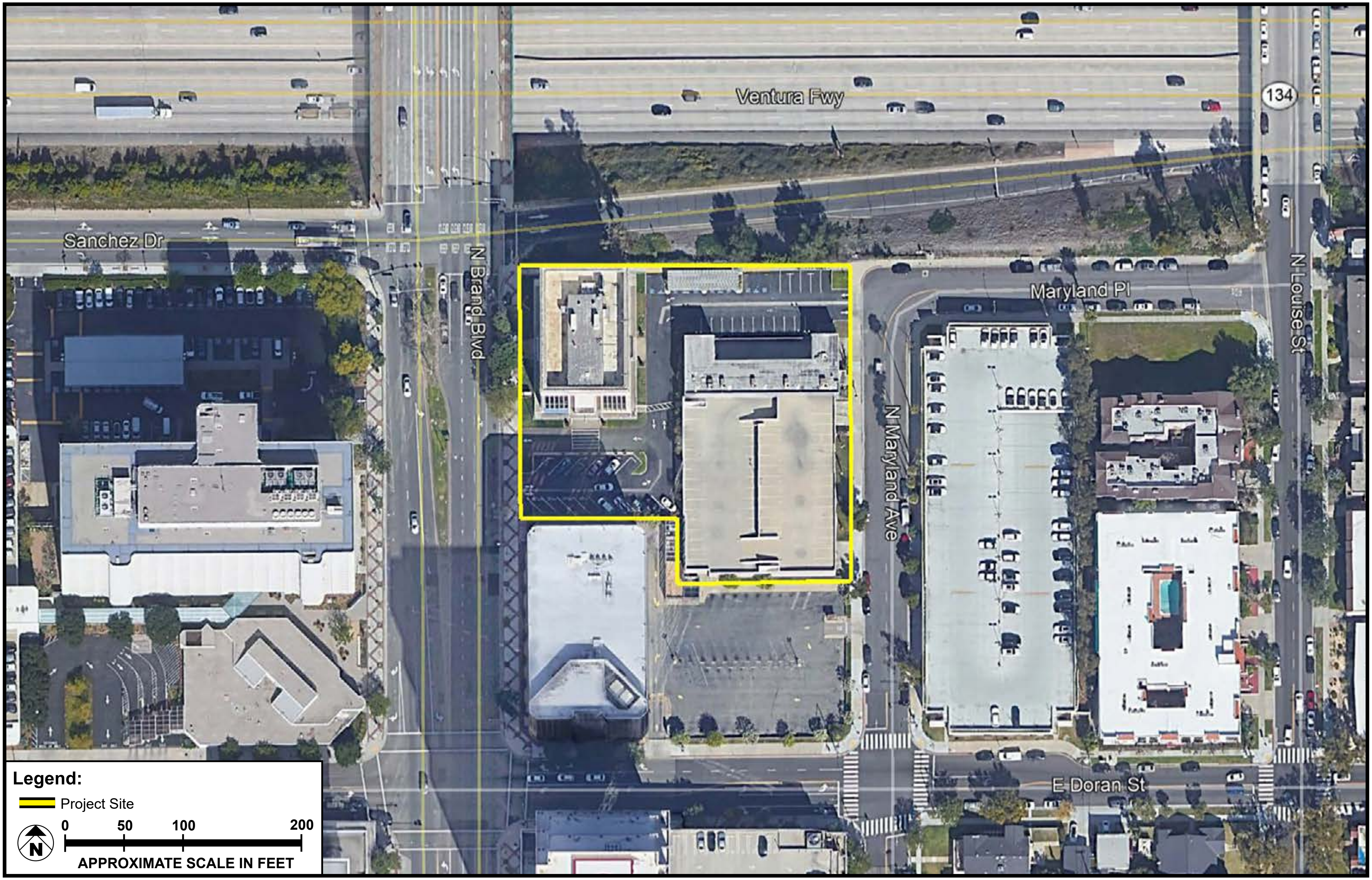
Regional and Local Vicinity



SOURCE: Google Earth - 2021

FIGURE **2**

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Site Map, Existing Conditions

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HEALTH RISK ASSESSMENT

Introduction

The primary TAC of concern from diesel exhaust is diesel particulate matter (DPM). In 1998, CARB identified DPM from diesel-powered engines as a TAC based on its potential to result in an increased cancer risk, as well as other noncancer adverse health effects, due to prolonged exposure. Some short-term (acute) effects of DPM exposure include eye, nose, throat, and lung irritation; coughs; headaches; light-headedness; and nausea. Long-term (chronic) effects include aggravation of existing respiratory and cardiovascular disease; alteration in the body's defense systems against foreign materials; damage to lung tissue and reduced lung function; carcinogenesis; premature birth rates; and premature death.

TAC generators located with the Basin are associated with diesel-fueled vehicles producing DPM, as well as with specific types of facilities, such as dry cleaners, gas stations, distribution centers, and ports. The CARB has made specific recommendations with respect to siting new sensitive uses near existing TAC-emitting facilities. Among other specific recommendations, CARB suggests siting sensitive receptors (such as residences) no less than 500 feet from freeways or major roadways.

This HRA evaluates the potential for increased health risks to future residents of the proposed Project resulting from exposure to diesel exhaust emissions (a TAC) generated by vehicles on SR-134 Freeway. In the Project vicinity, five mixed-flow freeway lanes are generally provided in each direction on the SR-134 (Ventura) Freeway with auxiliary merge/weave lanes provided between some interchanges. The SR-134 freeway is situated at a lower elevation, approximately 25 feet below street level at the Project site. Eastbound and westbound ramps are provided at Central Avenue and Brand Boulevard on the SR-134 (Ventura) Freeway in the Project vicinity. The eastbound on-ramp from Brand Boulevard is situated at ground level and gradually lowers in elevation to 25 feet below street level as it merges on to the freeway.

In urban communities, vehicle emissions contribute significantly to localized concentrations of air contaminants. Typically, emissions generated from these sources are characterized by vehicle mix, the rate pollutants are generated during the course of travel and the number of vehicles traversing the roadway network. To account for the emission standards imposed on the California fleet, the ARB has developed the EMFAC2021 web database to identify pollutant emission rates for total organic gases (TOG), diesel particulates, particulates (PM10 and PM2.5), carbon monoxide (CO) and nitrogen oxide (NOx) compounds. To produce a representative vehicle fleet distribution, the assessment utilized ARB's Los Angeles County (South Coast) population estimates for the following buildout year of the Project. **Appendix A** presents the emission rate calculation worksheets for the freeway segments including on/off ramps considered in this assessment.

The California Department of Transportation (Caltrans) collects and maintains traffic volume counts for freeway on/off ramps and adjoining segments.[1] Average daily traffic along the segment of SR-134 between Brand Boulevard and Glendale Avenue is approximately 247,000 vehicles. Average daily traffic along the westbound off-ramp to Brand Boulevard is 17,851 vehicles. Average daily traffic along the eastbound on-ramp from Brand Boulevard is 18,051 vehicles. As diesel-powered trucks are the primary contributors of DPM on roadways and freeways, this HRA analysis evaluates the cancer risk and noncancer health effects of the future residents' increased exposure to DPM associated with vehicles traveling along SR-134 Freeway. Adverse health risks are discussed in terms of noncancer and cancer risks. Noncancer health risks can be measured quantitively, with the risk designated as a hazard quotient (HQ). The HQ is the ratio of the calculated concentration to a threshold concentration that has been identified as having some level of adverse health effect.

Cancer risk has no set thresholds because carcinogens are considered to be non-threshold pollutants. This means that for any nonzero concentration of a carcinogen, there is an increased risk of developing cancer. Therefore, significance exposure to a carcinogen is evaluated based on the increase in risk. The increased risk is determined by multiplying a calculated dose with the cancer potency factor and then by 1 million to express risk in the common term of the risk per million people. An HRA evaluates the increased cancer risk from the continuous exposure to a pollutant over a lifetime.

Inhalable particulate matter equal to or less than 10 microns in diameter (PM10) from diesel exhaust is used as a surrogate for evaluating the cancer and chronic noncancer (HQ) risk from DPM exposure. The health risks for the proposed Project are evaluated by first estimating the DPM emissions produced by diesel vehicles that are currently traveling on the segment of SR-134 that passes by the Project site. Dispersion modeling is then used to convert those emissions to ambient (existing background) concentrations. Finally, the ambient concentrations are used to determine whether the future residents of the proposed Project would be exposed to an increased potential for health risks from existing conditions at the Project site.

Criteria Pollutant Exposures

The State of California has promulgated strict ambient air quality standards for various pollutants. These standards were established to safeguard the public's health and welfare, with specific emphasis on protecting those individuals susceptible to respiratory distress, such as asthmatics, the young, the elderly, and those with existing conditions that may be affected by increased pollutant concentrations. However, recent research has shown that unhealthful respiratory responses occur with exposures to pollutants at levels that only marginally exceed clean air standards. **Table 1: California Ambient Air**

[1] Caltrans, *Traffic Census Program – District 7, 2019*, accessed August 2021, https://dot.ca.gov/programs/traffic-operations/census

Quality Standards presents the California Ambient Air Quality Standards (CAAQS) for the criteria pollutants considered in the analysis.

TABLE 1
CALIFORNIA AMBIENT AIR QUALITY STANDARDS

Pollutant	Standard	Health Effects
Particulates (PM10)	>50 μg/m^3 (24 hour average) > 20 μg/m^3 (Annual)	1. Excess deaths from short-term exposures and the exacerbation of symptoms in sensitive individuals with respiratory disease. 2. Excess seasonal declines in pulmonary function, especially in children.
Particulates (PM2.5)	> 12 μg/m^3 (Annual)	1. Excess deaths and illness from long-term exposures and the exacerbation of symptoms in sensitive individuals with respiratory and cardio pulmonary disease.
Carbon Monoxide (CO)	> 9.0 ppm (8 hour average) > 20.0 ppm (1 hour average)	1. Aggravation of angina pectoris and other aspects of coronary heart disease. 2. Decreased exercise tolerance in persons with peripheral vascular disease and lung disease. 3. Impairment of central nervous system functions. 4. Possible increased risk to fetuses.
Nitrogen Dioxide (NO2)	> 0.18 ppm (1 hour average)	1. Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups. 2. Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structure changes

Source: California Code of Regulations, Title 17, Section 70200.
Notes: ppm: parts per million; μg/m^3: micrograms per cubic meter.

Pollutant emissions are considered to have a significant effect on the environment if they result in concentrations that create either a violation of an ambient air quality standard, contribute to an existing air quality violation or expose sensitive receptors to substantive pollutant concentrations. Should ambient air quality already exceed existing standards, the SCAQMD has established significance criteria for selected compounds to account for the continued degradation of local air quality. Background concentrations are based on the highest observed value for the most recent 3-year period. Annual exposures were not considered because event scenarios were based on single-day activities; it would be speculative to forecast concentration estimates without information and schedules to reflect reasonable assumptions associated with seasonal event activities.

Table 2: Air Quality Monitoring Summary shows the pollutant concentrations collected at the Los Angeles-North Main Street monitoring station for the last three years of available data between 2017 – 2019. It is important to note, these concentrations levels were taken prior to the COVID-19 pandemic, thus do not reflect the reduction of concentration levels due to reduce mobile activity caused by the pandemic. **Table 3: Air Quality Significance Thresholds** outlines the relevant significance thresholds considered to affect local air quality.

TABLE 2
AIR QUALITY MONITORING SUMMARY

Pollutant/Averaging Time	Year			Maximum
	2017	2018	2019	
Particulates (PM10)				
24-hour	96	81	94	96
# of days above 24-hour standard	0	0	0	0
Particulates (PM2.5)				
24-hour	62	65	44	65
# of days above 24-hour standard	6	6	1	6
Carbon monoxide (CO)				
1-hour	N/A	N/A	N/A	N/A
Nitrogen dioxide (NO2)				
1-hour	81	70	70	81
# of days above 24-hour standard	0	0	0	0

Source: California Air Resources Board, US Environmental Protection Agency.

Note: PM10 and PM2.5 concentrations are expressed in micrograms per cubic meter (µg/m^3). All others are expressed in parts per billion (ppb).

TABLE 3
AIR QUALITY SIGNIFICANCE THRESHOLDS

Pollutant	Averaging Time	Pollutant Concentration
Particulates (PM10) Particulates (PM2.5)	24 hours	2.5 µg/m^3 (operation)
Particulates (PM10)	Annual	1.0 µg/m^3
Carbon monoxide (CO)	1 hour 8 hours	Area is in attainment; impacts are significant if they cause or contribute to an exceedance of the following attainment standards of 20 ppm (1-hour) and 9 ppm (8-hour).
Nitrogen dioxide (NO2)	1 hour	Area is in attainment; impacts are significant if they cause or contribute to an exceedance of the following attainment standard of 0.18 ppm.

Source: SCAQMD Air Quality Significance Thresholds, accessed August 2021, https://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2.

Notes:: ppm = parts per million; µg/m^3 = micrograms per cubic meter.

Significance Criteria

Neither the State nor the SCAQMD has developed a quantitative threshold for the purposes of evaluating the health impacts on residential developments from exposure to TAC emissions associated with a nearby freeway or high-volume roadway. Currently, the SCAQMD has only developed significance thresholds that apply to single stationary and mobile sources of TAC emissions, such as projects involving truck stops or warehouses. However, in absence of a threshold specific to assessing health impacts from a freeway, the SCAQMD's stationary source TAC thresholds of 10 in 1 million for cancer risk and 1 for hazard index would serve as the most appropriate thresholds for use in this HRA analysis.

Freeway Exposure Health Risks and Hazards

Table 4: Estimated Inhalation Cancer Risk and Chronic Hazards shows the estimated range of excess cancer risk and chronic hazard indices for future residents of the proposed Project. The building façades facing towards SR-134 freeway and the on-ramp from Brand Boulevard would be nearest to traffic volumes and would be exposed to higher amounts of DPM emissions than those located further away from the road; the cancer risk and chronic hazard indices for the on-site receptors would gradually decrease as their distance from the freeway increases across the Project site. As shown in **Table 4**, the maximally exposed individual receptor (MEIR) is represented by the proposed use located closest from the nearest travel lane.

As shown in **Table 4**, the maximum cancer risk at the Project site from DPM emissions generated by diesel-vehicle travel along SR-134 Freeway for residents and workers are 1.06 in one million and 7.55 in one hundred million, respectively. The cancer risk for residents at the site would not exceed SCAQMD's suggested significance criteria of 10 per one million. Additionally, the maximum noncancer hazard indices for the Project's residents and workers are 0.01 for the MEIR receptors, below the significance criterion of 1.

TABLE 4
ESTIMATED INHALATION CANCER RISK AND CHRONIC HAZARDS

Receptor	Cancer Risk	Chronic Noncancer Hazard Index
Resident MEIR	1.06E-06	0.01
Worker MEIR	7.55E-08	0.01

*Note: See **Appendix B** for calculations.*

RECOMMENDATIONS

As stated previously, with respect to cancer risk, any nonzero concentration of a carcinogen represents an increased risk of developing cancer. It is important to note, the proposed features of the building include internal (no window units) filtration and climate control systems. In the event exterior cooling systems are utilized, in order to minimize adverse health effects associated with exposure of future

Project sensitive receptors to DPM concentrations from the freeway and major roadway, it is recommended that the Project incorporate the following design features to reduce potential cancer risk:

- Locate outdoor areas, such as balconies and courtyards, as far from the freeway and roadway segment as possible;
- Plant vegetation between residential receptors and the freeway;
- Install, operate, and maintain an HVAC system that uses high-efficiency filters of Minimum Efficiency Reporting Value (MERV) 14 or higher for the residential units (suggested use of MERV 16);
- Locate the air intakes for the uses as far from the freeway as possible; and
- Provide a disclosure letter to all new residents that discusses the potential risk from living within close proximity of the freeway and roadway segment, and points out that opening windows reduces the effectiveness of implemented reduction measures and increases individuals' exposure and hence risk.

High-efficiency (MERV 14–16 or higher) pleated particle filters for uses located near busy roadways would generally be considered the most effective approach to filtration because these filters can remove the very small particles emitted by motor vehicles without emitting ozone, formaldehyde, or other harmful byproducts. Such high-efficiency filtration can reduce indoor PM2.5 and ultrafine particle levels by up to 90 percent (MERV 16) relative to incoming outdoor levels when doors and windows are kept mostly closed. However, only those particles in the airstream passing through the filter are removed. Consequently, because most occupants of the proposed Project are anticipated to open their windows or doors at least part of the day, any pollutant reduction attained through the use of high-efficiency filters would be compromised based on the amount of time doors and windows are left open. **Table 5: Reduced Estimated Inhalation Cancer Risk** identifies the reduction in risk associated with incorporation of MERV 14 through MERV 16 filters when windows are closed 25 percent, 50 percent, 75 percent, and 100 percent of the time. As shown in **Table 5**, the implementation of these measures with the windows open or closed will further reduce risk exposure at the MEIR and would not exceed the SCAQMD's suggested significance criteria of 10 per one million.

Limiting particulate infiltration will be accomplished by installing and maintain air filtration systems with efficiencies of MERV 14 or better as defined by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers Standard 52.2. These filters are rated to remove a portion of the ultrafine and submicron particles, such as diesel particulate matter emitted from mobile sources. MERV 14 or better air filtration systems are capable of removing 75 percent or more of particles between 0.3 and 1.0 microns, and 90 percent or more of particles between 1.0 and 10.0 microns.

With installation of MERV 14 air filtration systems, PM10 concentrations for the maximum exposed residential units would be 0.003 $\mu g/m^3$ and 0.001 $\mu g/m^3$ for the 24-hour and annual averaging times, respectively. These values would not exceed the 24-hour and annual significance thresholds of 2.5 μg/m^3 and 1.0 μg/m^3, respectively.

TABLE 5 REDUCED ESTIMATED INHALATION CANCER RISK			
Receptor	**MERV 14**	**MERV 15**	**MERV 16**
Windows closed 25 percent of the time			
Resident MEIR	8.96E-07	8.85E-07	8.75E-07
Windows closed 50 percent of the time			
Resident MEIR	7.31E-07	7.11E-07	6.90E-07
Windows closed 75 percent of the time			
Resident MEIR	5.67E-07	5.36E-07	5.05E-07
Windows closed 100 percent of the time			
Resident MEIR	4.03E-07	3.62E-07	3.21E-07

Note: See ***Appendix B*** *for calculations.*

CONCLUSION

The estimated maximum cancer risk at the Project site from DPM emissions generated by diesel-vehicle travel along the SR-134 freeway, the on-ramp from Brand Boulevard and off-ramp to Brand Boulevard for residents and workers are 1.06 in one million and 7.55 in one hundred million, respectively. The cancer risk for residents at the site would not exceed the SCAQMD's suggested significance criteria of 10 per one million. The maximum noncancer hazard indices for the Project's MEIR would be 0.01, which is also below the significance criterion of 1.

However, any nonzero concentration of a carcinogen represents an increased risk of developing cancer. As such. to further reduce the exposure of the Project's on-site residents to DPM emissions, it is recommended that high-efficiency filters (MERV 14 or higher) be installed; communal outdoor areas and air intakes be located as far as from the freeway as possible; and a letter identifying the increased risk from DPM exposure be provided to all future residents. As shown in **Table 5**, the implementation of these measures will further reduce risk exposure at the MEIR and would not exceed the SCAQMD's suggested significance criteria of 10 per one million.

Attachment 1

Methodology

HRA METHODOLOGY

The methodologies and assumptions used in this health risk assessment (HRA) are consistent with the guidance recommended by the SCAQMD's *Supplemental Guidelines for Preparing Risk Assessments for Air Toxics "Hot Spots" Information and Assessment Act (ARB2588)*[2] and the California Environmental Protection Agency's Office of Environmental Health Hazard Assessment (OEHHA) Air Toxic Hot Spots Program Risk Assessment Guidelines.[3] The methodology used in this assessment uses a dose-response assessment to characterize risk from cancer due to inhaled toxic air contaminants (TACs) and the assessment of acute and chronic noncancer from diesel particulate matter (DPM). Based on the OEHHA guidance, the evaluation of potential health risks uses the following standard four-step risk assessment process: (1) Hazard Identification; (2) Exposure Assessment; (3) Dose-Response Assessment; and (4) Risk Characterization.

Hazard Identification

The hazard identification process is undertaken to determine what TACs are potentially present in the assessment areas, and if so, identified what the pollutants of concern are along with their potential adverse health effects. In this HRA, the primary hazard is DPM emissions from vehicular sources (specifically diesel-powered trucks) along SR-134 freeway corridor, which includes the on-ramp from Brand Boulevard to eastbound SR-134 and the off-ramp to Brand Boulevard from westbound SR-134. The California Air Resources Board (CARB) identified DPM as a TAC with a potential cancer and chronic noncancer effects.

DPM historically has been used a surrogate measure of exposure for whole diesel exhaust emissions. Diesel exhaust is a complex mixture of thousands of gases and fine particles (commonly known as soot). Diesel exhaust particles and gases are suspended in the air due to thermal buoyancy and the small size of the particles. The composition of diesel exhaust varies depending on engine type, operating conditions, fuel composition, lubricating oil, presence of an emission control system. One of the main characteristics of diesel exhaust is the release of particles at a relative rate approximately 20 times greater than from gasoline-fueled vehicles, on an equivalent fuel basis. Diesel particulates are mainly aggregates of spherical carbon particles coated with inorganic and organic substances. The inorganic fraction primarily consists of small carbon (elemental carbon) particles ranging from 0.01 to 0.08 micron in diameter. The organic fraction consists of soluble organic compounds.

Exposure Assessment

The degree of the Project's exposure to DPM from existing vehicle traffic on SR-134 freeway, on-ramp from Brand Boulevard and the off-ramp to Brand Boulevard was evaluated under the exposure assessment

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2 SCAQMD, *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act*, July 2018.

3 OEHHA, *Air Toxic Hot Spots Program Risk Assessment Guidelines,* February 2015.

portion of the HRA. This assessment starts with the quantification of DPM emissions, followed by dispersion modeling and an estimation of long-term exposure levels. The amount of DPM emissions generated by vehicle traffic on SR-134, on-ramp from Brand Boulevard and off-ramp to Brand Boulevard was determined using PM10 from diesel exhaust as a surrogate.

Detailed Modeling

Air dispersion modeling was conducted using the American Meteorological Society/Environmental Protection Agency Regulator Model (AERMOD v. 10.0.1). This model is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the release heights of the emission sources (i.e., complex terrain). AERMOD is the U.S. EPA's regulatory dispersion model specified in the Guideline for Air Quality Methods.[4] AERMOD is recommended for use by the South Coast Air Quality Management District (SCAQMD), which has established its own modeling guidance for the model.[5]

Emission Sources

Within AERMOD, diesel vehicle traffic was modeled as a line source comprised of separate volume sources along the stretch of SR-134. Diesel exhaust emissions were modeled using a release height of 7.41 feet (2.26 meters), which is the weighted average height of an exhaust stack above ground level for the combined diesel car and truck traffic along this stretch of freeway. The plume height and width used for each volume sources along the SR-134 was 14.83 feet and 88.58 feet (4.52 and 27 meters), respectively. The plume height and width used for each volume sources along the on-ramp from Brand Boulevard was 14.83 feet and 39.37 feet (4.52 and 12.0 meters), respectively. The plume height and width used for each volume sources along off-ramp to Brand Boulevard was 14.83 feet and 45.93 feet (4.52 and 14.00 meters), respectively. Based on guidance, the plume height was determined by multiplying the average stack height by a factor of 2, while the plume width was determined by adding 19.69 feet (6 meters) to the freeway width.

Emission Rates

The quantification of diesel exhaust emissions requires a diesel exhaust emission rate (in grams per second) from trucks. To estimate this emission rate, emission factors (in grams per mile) for the various vehicle classes of diesel-powered trucks and cars were first obtained from the EMFAC2021 web database.[6] Pollutant emission rates were identified for total organic gases (TOG), diesel particulates, particulates (PM10 and PM2.5), carbon monoxide (CO) and nitrogen oxide (NOx) compounds. Using these emission factors and the available average daily vehicle traffic counts published by the California Department of

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4 U.S. EPA Code of Federal Regulations, Title 40, Part 51, Appendix W

5 SCAQMD Modeling Guidance for AERMOD, http://www.aqmd.gov/home/library/air-quality-data-studies/meteorological-data/modeling-guidance.

6 EMFAC 2021 is the California Air Resources Boards' tool for estimating emissions from on-road vehicles. The 2021 version was released January of 2021.

Transportation (Caltrans) along with the distance of the SR-134 corridor to be modeled, the total grams of diesel exhaust emissions that would be generated along the segment to be modeled were obtained. In turn, the total emissions amount was then converted into an exhaust emission rate in grams per second.

A conservative route speed of 65 miles per hour (mph) was assumed for the freeway corridor. For congested or minimum speed conditions, 10 and 5 miles per hour were identified and used for the north and southbound routes, respectively. Ramp volumes were assumed to have a uniform distribution and were averaged to produce an hourly traffic profile.

For particulates (PM10 and PM2.5), emissions were quantified through the reentrainment of paved roadway dust. The predictive emission equation developed by the U.S. Environmental Protection Agency (EPA) (AP-42, Section 13.2.1) was used to generate particulate source strength. To account for the mass rate emissions entrained from the roadway surface, the contribution from exhaust, break and tire wear were added to the AP-42 emission factor equation.

Within AERMOD, the emission rate used for dispersion modeling assumed a rate of 1.0 gram per second for the entire line source. The use of a unitary emission rate (1.0 gram per second) allows for the AERMOD results to be factored based on actual emission rates that are calculated and outlined in the aforementioned steps. For example, assume that an emission rate of 1 gram per second results in a dispersion modeling concentration of 0.5 $\mu g/m^3$. Using these results, an actual emission rate of 5 grams per second would result in a concentration of 2.5 $\mu g/m^3$ (5 grams per second/gram per second x 0.5 $\mu g/m^3$ equals 2.5 $\mu g/m^3$). This approach is useful as any future changes that are necessary in the calculation of emission rates would not require the re-running of AERMOD in order to obtain the actual TAC concentration.

Meteorological Data

In order to run AERMOD, the following hourly surface meteorological data are required: wind speed, wind direction, ambient temperature, and opaque cloud cover. These meteorological variables are used to estimate air dispersion of pollutants in the atmosphere. Wind speed determines how rapidly pollutants are diluted and influences the rise of the emission plume in the air, thus affecting downwind pollutant concentrations. Wind direction determines where pollutants will be transported. The opaque cloud cover and upper air surrounding data are used in calculations to determine other important dispersion parameters. These include atmospheric stability (a measure of turbulence and the rate at which pollutants disperse laterally and vertically) and mixing height (the vertical depth of the atmosphere within which dispersion occurs). The greater the mixing height is, the larger the volume of atmosphere is available to dilute the pollutant concentration.

The dispersion modeling for the Project utilized preprocessed meteorological data from the Burbank Airport Meteorological Station, which is the station nearest to the Project site obtained from SCAQMD.[7] The meteorological data was collected for the years between January 2012 and December 2016.

Sensitive Receptors

In order to determine the DPM concentrations at the Project site, discrete receptors were placed inside the boundary of the Project site at areas where future residences would be located. Based on SCAQMD's AERMOD modeling guidance, all receptors should be set to a height of 0 feet (0 meters), so that ground-level concentrations are analyzed. In order to fulfill SCAQMD's requirements and accurately characterize the risk throughout the Project site, a 32.81 foot by 32.81 foot (10 meter by 10 meter) receptor grid was placed over the Project site (including site boundaries). The receptor grid was then converted to discrete receptors to maintain spacing and provide for ease in determining the maximum exposed individual (MEI).

Terrain Data

The modeling analysis also included terrain data to accurately assess impacts in three dimensions. The terrain data used for the analysis was from the digital elevation model data for the Pasadena and Mount Wilson 7.5-minute quadrangles obtained through the AERMOD program.

Urban/Rural

The AERMOD model requires that the user specify whether a site should be modeled as either urban or rural. The urban option allows the user to incorporate the effects of increased surface heating from an urban area on pollutant dispersion under stable atmospheric conditions. This surface heating typically causes better dispersion, which results in lower pollutant concentrations.

Based on SCAQMD's AERMOD modeling guidance, all air quality impact analyses in the South Coast Air Basin should be executed using the urban modeling option. In addition, all sources should be modeled with urban effects using the population of the County where the Project is located. As SCAQMD provides the various County populations within AQMD jurisdiction, the population of 200,232 for Glendale was used in the AERMOD run.

Dose-Response Assessment

The dose-response assessment in the process of characterizing the relationship between exposure to diesel exhaust and the incidence of an adverse health effect in the exposed populations.

The estimation of potential inhalation cancer risk posed by exposure to DPM requires a cancer potency factor. Cancer potency factors are expressed as the upper bound probability of developing cancer

7 SCAQMD Meteorological Data for AERMOD, www.aqmd.gov/home/library/air-quality-data-studies/meteorological-data/data-for-aermod

assuming continuous lifetime exposure to diesel exhaust at a dose of one milligram per kilogram of body weight, and are expressed in units of inverse dose as a potency slope (i.e., $[mg/kg/day]^{-1}$). A cancer potency factor when multiplied by the dose of a carcinogen gives the associated lifetime cancer risk. The cancer potency factor for DPM is 1.1 $(mg/kg/day)^{-1}$.[8] The estimation of potential inhalation chronic noncancer effects posed by exposure to DPM requires a chronic reference exposure level (REL). A chronic REL is a concentration level (that is expressed in units of micrograms per cubic meter [$\mu g/m^3$] for inhalation exposures), at or below which no adverse health effects are anticipated following long-term exposure. The chronic REL for DPM is 5 $\mu g/m^3$.[9] The chronic hazard index target organ for DPM is the respiratory system.

Risk Characterization

Risk characterization combines the maximum annual average ground-level DPM concentration from the exposure assessment, cancer potency factor, and chronic REL from the dose-response analysis to estimate the potential inhalation cancer risk and chronic hazard index (HI) from the exposure to DPM emissions.

For the Project's health risk evaluation, the maximum exposed individual (MEI) was assumed to reside at the same receptor location for 70 years. This is a conservative assumption because, typically speaking, people no longer spend their entire life in one location.

The equation used to calculate the potential excess lifetime cancer risk for the residential inhalation pathway is as follows:

$$Dose = (C_{air} \times DBR \times A \times EF \times ED \times CF) / AT$$

<u>Where:</u>

Dose = Dose through inhalation (milligrams per kilogram-day [mg/kg/day])

C_{air} = Concentration of DPM in air (micrograms per cubic meter [$\mu g/m^3$] – from AERMOD)

DBR = Daily breathing rate, or the average amount of air inhaled daily (liters per kilograms body weight-day [L/kg body weight-day]) = 302 L/kg)

A = Inhalation absorption factor (unitless), the potential for absorption into the body through the lungs = 1.

EF = Exposure frequency (days per year [days/yr]) = 350 days/year.

ED = Exposure duration (years[yr]) = 30 years

8 California Environmental Protection Agency Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

9 California Environmental Protection Agency Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

CF = Composite conversion factor (micrograms per cubic meters – milligram per 1,000 liter [mg/µg x m^3/L]) = 1 x 10^{-6}

AT = Averaging time period over which exposure is averaged (number of days over the total exposure period. For lifetime cancer risk, the averaging time is 70 regardless of the exposure duration.) = 25,550 days

The following equation was used to estimate the excess cancer risk for a resident at the Project based upon the calculated dosage:

$$Cancer\ Risk = Dose \times CPF$$

Where:

Cancer Risk = Risk (potential chances per million)

Dose = Dose from inhalation (mg/kg-day)

CPF = Chemical or compound cancer potency factor = (1 mg/kg-day^{-1})

Finally, the potential noncancer health risk for chronic exposure to DPM was evaluated by calculating the Hazard Quotient (HQ) using the following equation:

$$HQ = C_{airi}/REL$$

Where:

HQ = Hazard quotient for DPM (unitless)

C_{airi} = Increase in average annual PM10 concentration (µg/m^3) from air dispersion model at the MEI

REL = Reference exposure level for DPM (5 µg/m^3)

Appendix A

EMFAC Worksheets

Emission Factor Rate Adjustment

CO Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	0.259	FROM EMFAC SHEET: Value at 45 mph
Speed (mph)	45	
acceleration time (sec)	18	
acceleration rate (mph/sec)	2.5	
Emfac (gr/mi)	0.616	

Deceleration/Off-Ramp

Emfac (gr/mi) = (emfac at idle speed * 1.5)

Emfac Idle speed (gr/mi)	8.57E-02	FROM EMFAC SHEET: Value at 5 mph
Emfac Deceleration (gr/mi)	0.129	

NOX Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	1.17E-01
Speed (mph)	45
acceleration time (sec)	18
acceleration rate (mph/sec)	2.5
Emfac (gr/mi)	0.278

Deceleration/Off-Ramp

Emfac (gr/mi) = (emfac at idle speed * 1.5)

Emfac Idle speed (gr/mi)	6.16E-02
Emfac Deceleration (gr/mi)	0.092

PM10 Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	1.77E-01
Speed (mph)	45
acceleration time (sec)	18
acceleration rate (mph/sec)	2.5
Emfac (gr/mi)	0.4210

Deceleration/Off-Ramp

*Emfac (gr/mi) = (emfac at idle speed * 1.5)*

Emfac Idle speed (gr/mi)	1.66E-01
Emfac Deceleration (gr/mi)	0.249

PM2.5 Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	1.74E-01
Speed (mph)	45
acceleration time (sec)	18
acceleration rate (mph/sec)	2.5
Emfac (gr/mi)	0.4139

Deceleration/Off-Ramp

*Emfac (gr/mi) = (emfac at idle speed * 1.5)*

Emfac Idle speed (gr/mi)	1.65E-01
Emfac Deceleration (gr/mi)	0.248

TOG GAS Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	1.48E-01
Speed (mph)	45
acceleration time (sec)	18
acceleration rate (mph/sec)	2.5
Emfac (gr/mi)	0.352

Deceleration/Off-Ramp

*Emfac (gr/mi) = (emfac at idle speed * 1.5)*

Emfac Idle speed (gr/mi)	5.50E-02
Emfac Deceleration (gr/mi)	0.083

TOG DSL Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	4.47E-04
Speed (mph)	45
acceleration time (sec)	18
acceleration rate (mph/sec)	2.5
Emfac (gr/mi)	0.001

Deceleration/Off-Ramp

*Emfac (gr/mi) = (emfac at idle speed * 1.5)*

Emfac Idle speed (gr/mi)	1.43E-05
Emfac Deceleration (gr/mi)	0.00002

DSL Particulate Emissions

Acceleration/On-Ramp (15 - 45 mph)

Emfac (gr/mi) = (emfac at average link speed x 16/60) x (0.027) x (exp (.098 x acceleration speed product)) x (60 min/hr) / (average link speed)

Emfac at link speed	1.65E-03
Speed (mph)	45
acceleration time (sec)	18
acceleration rate (mph/sec)	2.5
Emfac (gr/mi)	0.004

Deceleration/Off-Ramp

*Emfac (gr/mi) = (emfac at idle speed * 1.5)*

Emfac Idle speed (gr/mi)	7.05E-05
Emfac Deceleration (gr/mi)	0.0001

Source: California Department of Transportation, 1989. Division of New Technology and Research. Caline4 - A Dispersion Model for Predicting Air Pollution Concentration Near Roadways (Revised). FHWA/CA/TL-84/15.

On-Road Mobile Sources
Emission Rate

Minimum Speed Scenario (15mph)

SR-134 EB

CO Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	2.18E-01

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.1817
Pollutant Emission Rate/Source (gr/sec/source)	1.82E-02

SR-134 EB

NOx Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	1.16E-01

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.096707
Pollutant Emission Rate/Source (gr/sec/source)	9.67E-03

SR-134 EB

TOG GAS Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.004936

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.004115
Pollutant Emission Rate/Source (gr/sec/source)	4.11E-04

SR-134 EB

TOG DSL Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	9.7E-06

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	8.09E-06
Pollutant Emission Rate/Source (gr/sec/source)	8.09E-07

SR-134 EB

DSL Particulate Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.00012

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.000102
Pollutant Emission Rate/Source (gr/sec/source)	1.02E-05

SR-134 WB

CO Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	2.18E-01

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.1800
Pollutant Emission Rate/Source (gr/sec/source)	1.80E-02

SR-134 WB

NOx Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	1.16E-01

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.095779
Pollutant Emission Rate/Source (gr/sec/source)	9.58E-03

SR-134 WB

TOG GAS Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.004936

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.004075
Pollutant Emission Rate/Source (gr/sec/source)	4.08E-04

SR-134 WB

TOG DSL Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	9.7E-06

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	8.01E-06
Pollutant Emission Rate/Source (gr/sec/source)	8.01E-07

SR-134 WB

DSL Particulate Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.00012

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.000101
Pollutant Emission Rate/Source (gr/sec/source)	1.01E-05

WB Off-Ramp to Brand Boulevard

CO Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.12855

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.0032
Pollutant Emission Rate/Source (gr/sec/source)	4.00E-04

WB Off-Ramp to Brand Boulevard

NOx Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.0924

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.0023
Pollutant Emission Rate/Source (gr/sec/source)	2.88E-04

WB Off-Ramp to Brand Boulevard

TOG GAS Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.003541

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	8.81E-05
Pollutant Emission Rate/Source (gr/sec/source)	1.10E-05

WB Off-Ramp to Brand Boulevard

TOG DSL Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	5.2E-06

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	1.3E-07
Pollutant Emission Rate/Source (gr/sec/source)	1.62E-08

WB Off-Ramp to Brand Boulevard

DSL Particulate Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.00011

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	2.63E-06
Pollutant Emission Rate/Source (gr/sec/source)	3.29E-07

EB On-Ramp from Brand Boulevard

CO Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.616055

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.0155
Pollutant Emission Rate/Source (gr/sec/source)	1.72E-03

EB On-Ramp from Brand Boulevard

NOx Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.278295

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.006991
Pollutant Emission Rate/Source (gr/sec/source)	7.77E-04

EB On-Ramp from Brand Boulevard

TOG GAS Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.015108

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.00038
Pollutant Emission Rate/Source (gr/sec/source)	4.22E-05

EB On-Ramp from Brand Boulevard

TOG DSL Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.000258

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	6.48E-06
Pollutant Emission Rate/Source (gr/sec/source)	7.20E-07

EB On-Ramp from Brand Boulevard

DSL Particulate Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.00392

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	9.86E-05
Pollutant Emission Rate/Source (gr/sec/source)	1.10E-05

On-Road Mobile Sources
Emission Rate

Average Speed Scenario (65 mph)

SR-134 EB

CO Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	2.42E-01

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.20175
Pollutant Emission Rate/Source (gr/sec/source)	2.02E-02

SR-134 WB

CO Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	2.42E-01

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.199815
Pollutant Emission Rate/Source (gr/sec/source)	2.00E-02

WB Off-Ramp to Brand Boulevard

CO Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.12855

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.003200079
Pollutant Emission Rate/Source (gr/sec/source)	4.00E-04

EB On-Ramp from Brand Boulevard

CO Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.616055

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.015476
Pollutant Emission Rate/Source (gr/sec/source)	1.72E-03

SR-134 EB

NOx Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	7.91E-02

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.065944
Pollutant Emission Rate/Source (gr/sec/source)	6.59E-03

SR-134 WB

NOx Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	7.91E-02

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.065312
Pollutant Emission Rate/Source (gr/sec/source)	6.53E-03

WB Off-Ramp to Brand Boulevard

NOx Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.0924

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.002300174
Pollutant Emission Rate/Source (gr/sec/source)	2.88E-04

EB On-Ramp from Brand Boulevard

NOx Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.278295

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.006991
Pollutant Emission Rate/Source (gr/sec/source)	7.77E-04

SR-134 EB

TOG GAS Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.006137

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.005117
Pollutant Emission Rate/Source (gr/sec/source)	0.000512

SR-134 WB

TOG GAS Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.006137

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.005067
Pollutant Emission Rate/Source (gr/sec/source)	0.000507

WB Off-Ramp to Brand Boulevard

TOG GAS Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	0.003540735

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	8.81418E-05
Pollutant Emission Rate/Source (gr/sec/source)	1.10177E-05

EB On-Ramp from Brand Boulevard

TOG GAS Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.015108

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.00038
Pollutant Emission Rate/Source (gr/sec/source)	4.22E-05

SR-134 EB

TOG DSL Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.000171

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.000142
Pollutant Emission Rate/Source (gr/sec/source)	1.42E-05

SR-134 WB

TOG DSL Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.000171

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.000141
Pollutant Emission Rate/Source (gr/sec/source)	1.41E-05

WB Off-Ramp to Brand Boulevard

TOG DSL Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	5.20308E-06

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	1.29524E-07
Pollutant Emission Rate/Source (gr/sec/source)	1.61905E-08

EB On-Ramp from Brand Boulevard

TOG DSL Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.000258

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	6.48E-06
Pollutant Emission Rate/Source (gr/sec/source)	7.20E-07

SR-134 EB

DSL Particulate Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.000188

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.000156
Pollutant Emission Rate/Source (gr/sec/source)	1.56E-05

SR-134 WB

DSL Particulate Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Pollutant Mass Emission Rate (gr/mi)	0.000188

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	0.000155
Pollutant Emission Rate/Source (gr/sec/source)	1.55E-05

WB Off-Ramp to Brand Boulevard

DSL Particulate Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Pollutant Mass Emission Rate (gr/mi)	4.53858E-06

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	1.12982E-07
Pollutant Emission Rate/Source (gr/sec/source)	1.41E-08

EB On-Ramp from Brand Boulevard

DSL Particulate Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Pollutant Mass Emission Rate (gr/mi)	0.000168

Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

Pollutant Emission Rate (gr/sec)	4.23E-06
Pollutant Emission Rate/Source (gr/sec/source)	4.7E-07

SR-134 EB

PM10 Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac202x Emissions Run (g/mi)	1.08E-01
Emfac202x Emissions TW/BW (g/mi)	0.048
PM10 Reetrainment Mass Rate (gr/mi)	0.225463

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gross Vehi
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.187963
PM10 Reetrainment Emission Rate/Source	1.88E-02

SR-134 WB

PM10 Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac202x Emissions Run (g/mi)	1.08E-01
Emfac202x Emissions TW/BW (g/mi)	0.048
PM10 Reetrainment Mass Rate (gr/mi)	0.225463

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gr
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.186161
PM10 Reetrainment Emission Rate/Source	1.86E-02

WB Off-Ramp to Brand Boulevard

PM10 Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac202x Emissions Run (g/mi)	0.249
Emfac202x Emissions TW/BW (g/mi)	0.048
PM10 Reetrainment Mass Rate (gr/mi)	0.366462876

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gross Vehicle Weight)^1.02) + (Emfac2014 Emissions)
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.009123
PM10 Reetrainment Emission Rate/Source	1.14E-03

EB On-Ramp from Brand Boulevard

PM10 Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac202x Emissions Run (g/mi)	0.42101
Emfac202x Emissions TW/BW (g/mi)	0.048
PM10 Reetrainment Mass Rate (gr/mi)	0.538473

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gross Vehicle Weight)^1.02) + (Emfac2014 Emissions)
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.013527
PM10 Reetrainment Emission Rate/Source	1.50E-03

SR-134 EB

PM2.5 Emissions

Number of Sources	10
Link Length (meters)	469.3
Volume/Baseline (VPH)	10291.7
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac2014 Emissions Run (g/mi)	1.06E-01
Emfac2014 Emissions TW/BW (g/mi)	0.019
PM10 Reetrainment Mass Rate (gr/mi)	0.194463

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gross Vehi
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.162119
PM10 Reetrainment Emission Rate/Source	1.62E-02

SR-134 WB

PM2.5 Emissions

Number of Sources	10
Link Length (meters)	464.8
Volume/Baseline (VPH)	10291.7
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac2014 Emissions Run (g/mi)	1.06E-01
Emfac2014 Emissions TW/BW (g/mi)	0.019
PM10 Reetrainment Mass Rate (gr/mi)	0.194463

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gr
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.160565
PM10 Reetrainment Emission Rate/Source	1.61E-02

WB Off-Ramp to Brand Boulevard

PM2.5 Emissions

Number of Sources	8
Link Length (meters)	193.9
Volume/Baseline (VPH)	743.79
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac2014 Emissions Run (g/mi)	0.2475
Emfac2014 Emissions TW/BW (g/mi)	0.019
PM10 Reetrainment Mass Rate (gr/mi)	0.335962876

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gross Vehicle Weight)^1.02) + (Emfac2014 Emissions)
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.008363
PM10 Reetrainment Emission Rate/Source	1.05E-03

EB On-Ramp from Brand Boulevard

PM2.5 Emissions

Number of Sources	9
Link Length (meters)	193.5
Volume/Baseline (VPH)	752.125
Particle Size Multiplier (g/mi)	1
Road Surface Silt Loading (g/m2)	0.02
Average Vehicle Weight (tons)	2.4
Emfac2014 Emissions Run (g/mi)	0.413875
Emfac2014 Emissions TW/BW (g/mi)	0.019
PM10 Reetrainment Mass Rate (gr/mi)	0.502338

For PM10 Reentrainment: Mass Emission Rate (gr/mile) = ((Particulate PM10 Base Emission Factor) x (Road Surface Silt Loading)^0.91 x (Gross Vehicle Weight)^1.02) + (Emfac2014 Emissions)
Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)

PM10 Reetrainment Emission Rate (gr/sec)	0.012619
PM10 Reetrainment Emission Rate/Source	1.40E-03

Emission Factor Profile Worksheet
Chronic Exposure

TOG - Toxic Emissions

Gasoline/Toxic Fractions/Hot Stabilized Exhaust

Year	Benzene	Formaldehyde	1,3-Butadiene	Acetaldehyde	Acrolein
2004	0.028414	0.021422	0.006603	0.005511	0.001533
2005	0.028205	0.021200	0.006551	0.005450	0.001520
2006	0.027938	0.021000	0.006483	0.005350	0.001510
2007	0.027660	0.020700	0.006410	0.005250	0.001490
2008	0.027338	0.020300	0.006326	0.005120	0.001470
2009	0.026849	0.019800	0.006190	0.004870	0.001450
2010	0.026521	0.019400	0.006105	0.004750	0.001430
2011	0.026521	0.019400	0.006105	0.004750	0.001430
2012	0.025656	0.018500	0.005873	0.004370	0.001380
2013	0.025656	0.018500	0.005873	0.004370	0.001380
2014	0.025656	0.018500	0.005873	0.004370	0.001380
2015	0.024349	0.017100	0.005530	0.003850	0.001310
2016	0.024349	0.017100	0.005530	0.003850	0.001310
2017	0.024349	0.017100	0.005530	0.003850	0.001310
2018	0.022182	0.014700	0.004944	0.002860	0.001190
2019	0.022182	0.014700	0.004944	0.002860	0.001130
2020	0.021079	0.013600	0.004659	0.002450	0.001130
2021	0.021079	0.013600	0.004659	0.002450	0.001130
2022	0.021079	0.013600	0.004659	0.002450	0.001130
2023	0.021079	0.013600	0.004659	0.002450	0.001130
2024	0.021079	0.013600	0.004659	0.002450	0.001130
2025	0.021079	0.013600	0.004659	0.002450	0.001130
2026	0.021079	0.013600	0.004659	0.002450	0.001130
2027	0.021079	0.013600	0.004659	0.002450	0.001130
2028	0.021079	0.013600	0.004659	0.002450	0.001130
2029	0.021079	0.013600	0.004659	0.002450	0.001130
2030	0.021079	0.013600	0.004659	0.002450	0.001130

Analysis Year

2025	0.021079	0.013600	0.004659	0.002450	0.001130

TOG Emission Rate - gr/mi

Speed (MPH)	Acceleration	0.3520313	
	Deceleration	0.0825	
	65	1.43E-01	FROM EMFAC SHEET (TOG_GAS_RUNEX)

Toxic Emission Rate - gr/mi

	Acceleration	Deceleration	65
Benzene	0.007420468	0.001739018	0.003014297
Formaldehyde	0.004787626	0.001122	0.0019448
1,3-Butadiene	0.001640114	0.000384368	0.000666237
Acetaldehyde	0.000862477	0.000202125	0.00035035
Acrolein	0.000397795	0.000093225	0.00016159

Toxic Emission Rate - gr/mi

Speed (MPH)	Acceleration	0.015108479
	Deceleration	0.003540735
	65	0.006137274

Weight Fraction/Speciation

Benzene	0.491
Formaldehyde	0.317
1,3-Butadiene	0.463
Acetaldehyde	0.057
Acrolein	0.026

Diesel Particulate Emissions - PM10

PM10 Emission Rate - gr/mi	Acceleration	0.003924673	
Speed (MPH)	Deceleration	0.00010575	
	15	1.22E-04	FROM EMFAC SHEET (PM10_DSL_RUNEX)
	45	1.65E-03	FROM EMFAC SHEET (PM10_DSL_RUNEX)
	65	4.37E-03	FROM EMFAC SHEET (PM10_DSL_RUNEX)

	Acceleration	Deceleration	45	65
Benzene	8.27282E-05	2.2291E-06	3.47804E-05	9.21E-05
Formaldehyde	5.33756E-05	1.4382E-06	0.00002244	5.94E-05
1,3-Butadiene	1.82851E-05	4.92689E-07	7.68735E-06	2.04E-05
Acetaldehyde	9.61545E-06	2.59088E-07	4.0425E-06	1.07E-05
Acrolein	4.43488E-06	1.19498E-07	1.8645E-06	4.94E-06

Toxic Emission Rate - gr/mi

Speed (MPH)	Acceleration	0.000168439
	Deceleration	4.53858E-06
	45	7.08147E-05
	65	0.000187552

Source: TOG/toxic fraction from UC Davis-Caltrans Air Quality Project, *Estimating Mobile Source Air Toxic Emissions: A Step-by-Step Project Analysis Methodology.* Task Order No. 61

Emission Factor Profile Worksheet
Acute/8-hour Exposure

TOG - Toxic Emissions

Gasoline/Toxic Fractions/Hot Stabilized Exhaust

Year	Benzene	Formaldehyde	1,3-Butadiene	Acetaldehyde	Acrolein
2004	0.028414	0.021422	0.006603	0.005511	0.001533
2005	0.028205	0.021200	0.006551	0.005450	0.001520
2006	0.027938	0.021000	0.006483	0.005350	0.001510
2007	0.027660	0.020700	0.006410	0.005250	0.001490
2008	0.027338	0.020300	0.006326	0.005120	0.001470
2009	0.026849	0.019800	0.006190	0.004870	0.001450
2010	0.026521	0.019400	0.006105	0.004750	0.001430
2011	0.026521	0.019400	0.006105	0.004750	0.001430
2012	0.025656	0.018500	0.005873	0.004370	0.001380
2013	0.025656	0.018500	0.005873	0.004370	0.001380
2014	0.025656	0.018500	0.005873	0.004370	0.001380
2015	0.024349	0.017100	0.005530	0.003850	0.001310
2016	0.024349	0.017100	0.005530	0.003850	0.001310
2017	0.024349	0.017100	0.005530	0.003850	0.001310
2018	0.022182	0.014700	0.004944	0.002860	0.001190
2019	0.022182	0.014700	0.004944	0.002860	0.001130
2020	0.021079	0.013600	0.004659	0.002450	0.001130
2021	0.021079	0.013600	0.004659	0.002450	0.001130
2022	0.021079	0.013600	0.004659	0.002450	0.001130
2023	0.021079	0.013600	0.004659	0.002450	0.001130
2024	0.021079	0.013600	0.004659	0.002450	0.001130
2025	0.021079	0.013600	0.004659	0.002450	0.001130
2026	0.021079	0.013600	0.004659	0.002450	0.001130
2027	0.021079	0.013600	0.004659	0.002450	0.001130
2028	0.021079	0.013600	0.004659	0.002450	0.001130
2029	0.021079	0.013600	0.004659	0.002450	0.001130
2030	0.021079	0.013600	0.004659	0.002450	0.001130

Analysis Year

2025	0.021079	0.013600	0.004659	0.002450	0.001130

TOG Emission Rate - gr/mi

Speed (MPH)	Acceleration	0.3520313	
	Deceleration	0.0825	
	15	1.15E-01	FROM EMFAC SHEET (TOG_GAS_RUNEX)
	65	1.43E-01	FROM EMFAC SHEET (TOG_GAS_RUNEX)

Toxic Emission Rate - gr/mi

	Acceleration	Deceleration	15	65
Benzene	0.007420468	0.001739018	0.002424	0.003014
Formaldehyde	0.004787626	0.001122	0.001564	0.001945
1,3-Butadiene	0.001640114	0.000384368	0.000536	0.000666
Acetaldehyde	0.000862477	0.000202125	0.000282	0.00035
Acrolein	0.000397795	0.000093225	0.00013	0.000162

Toxic Emission Rate - gr/mi

Speed (MPH)	Acceleration	0.015108479
	Deceleration	0.003540735
	15	0.00493557
	65	0.006137274

Weight Fraction/Speciation

Benzene	0.491
Formaldehyde	0.317
1,3-Butadiene	0.463
Acetaldehyde	0.057
Acrolein	0.026

Source: TOG/toxic fraction from UC Davis-Caltrans Air Quality Project, *Estimating Mobile Source Air Toxic Emissions: A Step-by-Step Project Analysis Methodology.* Task Order No. 61

Emission Factor Profile Worksheet
Acute/8-hour Exposure

TOG - Toxic Emissions

Diesel/Toxic Fractions/Hot Stabilized Exhaust

Year	Benzene	Formaldehyde	1,3-Butadiene	Acetaldehyde	Acrolein
2004	0.020009	0.147133	0.001900	0.073526	0
2005	0.020009	0.147133	0.001900	0.073526	0
2006	0.020009	0.147133	0.001900	0.073526	0
2007	0.020009	0.147133	0.001900	0.073526	0
2008	0.020009	0.147133	0.001900	0.073526	0
2009	0.020009	0.147133	0.001900	0.073526	0
2010	0.020009	0.147133	0.001900	0.073526	0
2011	0.020009	0.147133	0.001900	0.073526	0
2012	0.020009	0.147133	0.001900	0.073526	0
2013	0.020009	0.147133	0.001900	0.073526	0
2014	0.020009	0.147133	0.001900	0.073526	0
2015	0.020009	0.147133	0.001900	0.073526	0
2016	0.020009	0.147133	0.001900	0.073526	0
2017	0.020009	0.147133	0.001900	0.073526	0
2018	0.020009	0.147133	0.001900	0.073526	0
2019	0.020009	0.147133	0.001900	0.073526	0
2020	0.020009	0.147133	0.001900	0.073526	0
2021	0.020009	0.147133	0.001900	0.073526	0
2022	0.020009	0.147133	0.001900	0.073526	0
2023	0.020009	0.147133	0.001900	0.073526	0
2024	0.020009	0.147133	0.001900	0.073526	0
2025	0.020009	0.147133	0.001900	0.073526	0
2026	0.020009	0.147133	0.001900	0.073526	0
2027	0.020009	0.147133	0.001900	0.073526	0
2028	0.020009	0.147133	0.001900	0.073526	0
2029	0.020009	0.147133	0.001900	0.073526	0
2030	0.020009	0.147133	0.001900	0.073526	0

Analysis Year

2025	0.020009	0.147133	0.001900	0.073526	0.0

TOG Emission Rate - gr/mi

Speed (MPH)			
Acceleration		0.00106323	
Deceleration		0.00002145	
	15	4.00E-05	FROM EMFAC SHEET (TOG_DSL_RUNEX)
	65	7.03E-04	FROM EMFAC SHEET (TOG_DSL_RUNEX)

Toxic Emission Rate - gr/mi

	Acceleration	**Deceleration**	**15**	**65**
Benzene	2.12742E-05	4.29193E-07	8E-07	1.40663E-05
Formaldehyde	0.000156436	3.156E-06	5.89E-06	0.000103434
1,3-Butadiene	2.02014E-06	4.0755E-08	7.6E-08	1.3357E-06
Acetaldehyde	7.8175E-05	1.57713E-06	2.94E-06	5.16888E-05
Acrolein	0	0	0	0

Toxic Emission Rate - gr/mi

Speed (MPH)		
Acceleration		0.000257905
Deceleration		5.20308E-06
	15	9.70272E-06
	65	0.000170525

Weight Fraction/Speciation

Benzene	0.082
Formaldehyde	0.607
1,3-Butadiene	0.008
Acetaldehyde	0.303
Acrolein	0

Source: TOG/toxic fraction from UC Davis-Caltrans Air Quality Project, *Estimating Mobile Source Air Toxic Emissions: A Step-by-Step Project Analysis Methodology.* Task Order No. 61

MEIR Health Risk Calculations (9-year)

Cancer Risk Computation

Cancer Risk	1.06E-06	TRUE
	1.00E-05	

Reduced Risk

Risk Reduction - Cancer risk * reduction potential

	%windows closed							
Filtration	100%	75%	50%	25%				
MERV 16	3.21E-07	5.05E-07	6.90E-07	8.75E-07	TRUE	TRUE	TRUE	TRUE
MERV 15	3.62E-07	5.36E-07	7.11E-07	8.85E-07	TRUE	TRUE	TRUE	TRUE
MERV 14	4.03E-07	5.67E-07	7.31E-07	8.96E-07	TRUE	TRUE	TRUE	TRUE

Reduction Assumptions:

1. Assumes 77% of day is spent indoors

2a. Sealed HVAC system with MERV 16 or higher rated filters (90% reduction on particulates less than 0.3 microns or larger), effectiveness.

2b. Sealed HVAC system with MERV 15 or higher rated filters (85% reduction on particulates less than 0.3 microns or larger), effectiveness.

2c. Sealed HVAC system with MERV 14 or higher rated filters (80% reduction on particulates less than 0.3 microns or larger), effectiveness.

3. Institute tiered vegetation along the perimeter of the Project area.

Reduction		Time Windows Closed	
100%	75%	50%	25%
0.775	0.58125	0.3875	0.19375
0.9	0.9	0.9	0.9
0.85	0.85	0.85	0.85
0.8	0.8	0.8	0.8
N/A	N/A	N/A	NA

Total Percent Reduction 2a (1*2a)	0.6975	0.523125	0.34875	0.174375
Total Percent Reduction 2b (1*2b)	0.65875	0.494063	0.329375	0.1646875
Total Percent Reduction 2c (1*2c)	0.62	0.465	0.31	0.155

Hazard Index Computation

Resident Adult

Chronic hazard index

Inhalation chronic risk = Cair/Inhalation Chronic REL

Cair	0.003	µg/m3	Increase in average annual DPM from air dispersion model at the MEI
REL	5	µg/m3	Reference exposure level for DPM
HQ	0.0006		Hazard Quotient for DPM

Source

1 U.S. Department of Labor, Bureau of Labor Statistics. American Time Use Survey - 2012 Results, USLD-13-1178. Released June 20, 2013

2 National Air Filtration Association. User Guide for ANSI/ASHRAE Standard 52.2 - 1999 Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size. Retried from http://www.filtera-b2b.com/businessfilters/PDFfiles/NAFA_Filter_Guide.pdf

3 CARB, 2012. Status of Research on Potential Mitigation Concepts to Reduce Exposure to Nearby Traffic Pollution. August 23

Dispersion Model Input Summary Table

ID	X	Y	CO (1-hour)	CO (8-hour)	NOx (1-hour)	PM10 (24-hour Annual)	PM 2.5 (24-hour)	TOG Gas (1-hour)	TOG Gas (8-hour)	TOG Diesel (1-hour)	TOG Diesel (8-hour)	DPM
EB SR-134												
L0000782	384059.9	3780196	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000783	384109	3780196	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000784	384158.2	3780196	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000785	384207.3	3780195	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000786	384256.5	3780195	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000787	384305.6	3780195	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000788	384354.7	3780194	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000789	384403.9	3780194	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000790	384453	3780194	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
L0000791	384502.2	3780193	1.82E-02	2.02E-02	9.67E-03	1.88E-02	1.62E-02	4.11E-04	5.12E-04	8.09E-07	1.42E-05	1.56E-05
WB SR-134												
L0000772	384499.7	3780214	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000773	384451.1	3780214	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000774	384402.4	3780214	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000775	384353.8	3780215	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000776	384305.1	3780215	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000777	384256.5	3780215	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000778	384207.9	3780216	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000779	384159.2	3780216	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000780	384110.6	3780217	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
L0000781	384061.9	3780217	1.80E-02	2.00E-02	9.58E-03	1.86E-02	1.61E-02	4.08E-04	5.07E-04	8.01E-07	1.41E-05	1.55E-05
Off-Ramp to Brand from WB SR-134												
L0001114	384506.2	3780233	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001115	384480.7	3780235	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001116	384455.1	3780238	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001117	384429.5	3780240	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001118	384403.9	3780243	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001119	384378.3	3780245	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001120	384352.7	3780247	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
L0001121	384327.1	3780250	4.00E-04	4.00E-04	2.88E-04	1.14E-03	1.05E-03	1.10E-05	1.10E-05	1.62E-08	1.62E-08	1.41E-08
On-Ramp to EB SR-134 from Brand												
L0001105	384326.9	3780162	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001106	384349.5	3780164	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001107	384372.1	3780166	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001108	384394.7	3780168	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001109	384417.3	3780170	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001110	384439.9	3780172	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001111	384462.5	3780175	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001112	384485.1	3780177	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07
L0001113	384507.7	3780179	1.72E-03	1.72E-03	7.77E-04	1.50E-03	1.40E-03	4.22E-05	4.22E-05	7.20E-07	7.20E-07	4.70E-07

Appendix B

AERMOD Output Sheets

Source: EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/year for CVMT and EVMT, tons/year for Emissions, 1000 gallons/year for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	All Other Buses	Aggregate	5	Diesel	43209.6928	43209.6928	0	0.291696849	0.008472009	0.008855075	114.3517475	0.002175282	0.018016164	0.046833225	0.053316062	0.074706985	0.001082843	0.009606123	0.002929081	0.001025178	10.21499631	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	5	Natural Gas	10666.44844	10666.44844	0	0.011186358	3.41E-05	3.70E-05	30.27437737	0.04596648	0.00617163	0.00065677	0.046912164	0.083681047	0	0.012463208	0.000723053	0.000253068	3.499256279	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	10	Diesel	168630.9396	168630.9396	0	0.901453366	0.027405899	0.028645072	372.0365705	0.006333585	0.058614513	0.136360356	0.155235885	0.228122629	0.003522964	0.037489031	0.011431084	0.004000879	33.23387947	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	10	Natural Gas	41627.07729	41627.07729	0	0.028689299	0.000120556	0.000131115	94.45546716	0.117763615	0.019255365	0.00168261	0.120186407	0.303190222	0	0.048639144	0.002821799	0.00098763	10.91761137	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	15	Diesel	434147.3139	434147.3139	0	1.649702846	0.047285531	0.049423573	756.8470902	0.008561682	0.119241567	0.184330663	0.209846429	0.398265075	0.007166889	0.096517058	0.029429797	0.010300429	67.60885076	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	15	Natural Gas	107170.6286	107170.6286	0	0.043838976	0.000252423	0.000274533	183.4303941	0.178834495	0.037393486	0.002555192	0.182513719	0.668851805	0	0.125223484	0.007264838	0.002542693	21.20175588	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	45	Diesel	2278646.762	2278646.762	0	3.704733282	0.093905932	0.098151941	2422.449183	0.00765619	0.381657855	0.164835673	0.187652867	0.635339563	0.022939145	0.506575245	0.104453044	0.036558565	216.3964259	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	45	Natural Gas	562491.1131	562491.1131	0	0.068789111	0.000327762	0.000356471	489.9806587	0.267907661	0.099885763	0.003827872	0.273419418	1.268835086	0	0.657242547	0.025784562	0.009024597	56.63429097	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	60	Diesel	3581714.611	3581714.611	0	6.484092345	0.195980981	0.204842371	4094.108556	0.01278393	0.64502847	0.275234504	0.313333532	0.869110763	0.03876876	0.796265566	0.164185603	0.057464961	365.7250955	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	60	Natural Gas	884157.5058	884157.5058	0	0.088737197	0.000488518	0.000531308	685.4060459	0.339672546	0.139724506	0.00485325	0.346660747	1.584372075	0	1.033093532	0.040529732	0.014185406	79.22248511	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	65	Diesel	2196476.259	2196476.259	0	4.435008984	0.125724491	0.131409194	2685.411294	0.008051853	0.423087643	0.173354185	0.197350543	0.544175295	0.025429239	0.488307585	0.100686352	0.035240223	239.8867271	0
Los Angeles (SC)	2025	All Other Buses	Aggregate	65	Natural Gas	542207.0662	542207.0662	0	0.05449494	0.000299583	0.000325823	420.3233009	0.208303219	0.085685655	0.002976242	0.212588713	0.971611651	0	0.633541659	0.024854742	0.00869916	48.58296281	0
Los Angeles (SC)	2025	LDA	Aggregate	5	Gasoline	61395230.46	61395230.46	0	4.691292861	0.563705431	0.613081089	45264.66532	1.071637086	0.536926592	4.018980004	5.864486187	96.50379339	0.4474873	2.41145031	0.402788494	0.140975973	4773.102401	0
Los Angeles (SC)	2025	LDA	Aggregate	5	Diesel	112306.2381	112306.2381	0	0.032370999	0.010977867	0.011474237	74.73083965	0.001749836	0.011773874	0.037672941	0.042888138	0.552883863	0.000708113	0.000383769	0.000751967	0.000263189	6.675676303	0
Los Angeles (SC)	2025	LDA	Aggregate	5	Electricity	82961640.2	0	82961640.2	0	0	0	0	0	0	0	0	0	0	0	0.121276655	0.042446829	0	57613586.72
Los Angeles (SC)	2025	LDA	Aggregate	5	Plug-in Hybrid	12093691.93	1042043.568	11051648.36	0.028039372	0.009657404	0.010503308	960.180904	0.009754222	0.005076916	0.030803889	0.044948963	2.417259788	0.009492366	0.045442946	0.017700089	0.006195031	101.2498766	5759451.848
Los Angeles (SC)	2025	LDA	Aggregate	10	Gasoline	354212649.6	354212649.6	0	23.71695676	2.050102723	2.229673765	211010.7757	3.895235627	2.721827203	14.63627041	21.35721143	496.4093177	2.086056343	13.91258242	2.873975313	1.005891359	22250.82265	0
Los Angeles (SC)	2025	LDA	Aggregate	10	Diesel	647937.7935	647937.7935	0	0.176868996	0.045484033	0.047540619	359.1893946	0.007366303	0.056590435	0.158592156	0.180546626	2.373140501	0.003403502	0.00221411	0.005365435	0.001877902	32.08624634	0
Los Angeles (SC)	2025	LDA	Aggregate	10	Electricity	132723264.4	0	132723264.4	0	0	0	0	0	0	0	0	0	0	0	0.343303902	0.120156366	0	62205557.54
Los Angeles (SC)	2025	LDA	Aggregate	10	Plug-in Hybrid	50200809.53	6011949.31	44188860.22	0.104877225	0.035057173	0.038127874	3873.717178	0.026829798	0.01898947	0.084728655	0.123635855	8.269347879	0.038295638	0.262177796	0.130009651	0.045503378	408.4786363	16331588.3
Los Angeles (SC)	2025	LDA	Aggregate	15	Gasoline	769431682.5	769431682.5	0	45.25165261	2.961222442	3.22059959	375131.4038	5.646292922	5.20365578	21.2538284	31.01353651	983.7251073	3.70855584	30.22134221	7.431088084	2.600880829	39557.13782	0
Los Angeles (SC)	2025	LDA	Aggregate	15	Diesel	1407470.533	1407470.533	0	0.341955758	0.073651746	0.076981951	641.7470896	0.009136462	0.101107515	0.196702644	0.223932882	2.67092689	0.00608088	0.004809558	0.013873125	0.004855594	57.3270133	0
Los Angeles (SC)	2025	LDA	Aggregate	15	Electricity	295586069.1	0	295586069.1	0	0	0	0	0	0	0	0	0	0	0	1.097034765	0.383962168	0	116543569.5
Los Angeles (SC)	2025	LDA	Aggregate	15	Plug-in Hybrid	121210902.6	13059342.4	108151560.2	0.17516205	0.050548064	0.054975632	6848.855892	0.037886747	0.031715509	0.119646562	0.174587982	13.38450655	0.067707913	0.569510724	0.45040727	0.157642545	722.2032964	34593695.79
Los Angeles (SC)	2025	LDA	Aggregate	45	Gasoline	2872507827	2872507827	0	112.433477	2.921541035	3.17744244	793613.3592	5.608551703	12.94831559	21.21072057	30.95063367	2228.371255	7.845676017	112.8248862	28.02440922	9.808543226	83685.53713	0
Los Angeles (SC)	2025	LDA	Aggregate	45	Diesel	5254488.751	5254488.751	0	1.258971092	0.11083022	0.11584147	1165.986021	0.007680414	0.183701573	0.165354782	0.188245426	1.67226958	0.01104831	0.01795545	0.052318871	0.018311605	104.1570694	0
Los Angeles (SC)	2025	LDA	Aggregate	45	Electricity	287560428.2	0	287560428.2	0	0	0	0	0	0	0	0	0	0	0	1.250566595	0.437698308	0	109319638.2
Los Angeles (SC)	2025	LDA	Aggregate	45	Plug-in Hybrid	85244022.99	48754248.23	36489774.76	0.324142115	0.049642821	0.053991097	14593.24743	0.043920761	0.058690408	0.138702014	0.202393654	22.27806121	0.144269108	2.126145894	0.371361699	0.129976595	1538.839708	10901768.25
Los Angeles (SC)	2025	LDA	Aggregate	60	Gasoline	2578079548	2578079548	0	102.876744	2.760963879	3.002800131	794460.3542	5.2786811	11.78304886	19.9073608	29.04877414	1639.918675	7.854049424	101.2604836	7.939085736	2.778680008	83774.8517	0
Los Angeles (SC)	2025	LDA	Aggregate	60	Diesel	4715910.556	4715910.556	0	1.238054726	0.109337613	0.114281375	1190.190574	0.007192843	0.18751501	0.154857666	0.176295157	1.638553002	0.011277661	0.01611504	0.014821508	0.005187528	106.3192525	0
Los Angeles (SC)	2025	LDA	Aggregate	60	Electricity	16638028.62	0	16638028.62	0	0	0	0	0	0	0	0	0	0	0	0.030113123	0.010539593	0	7090907.845
Los Angeles (SC)	2025	LDA	Aggregate	60	Plug-in Hybrid	44907283.01	43757001.83	1150281.182	0.24122163	0.047053401	0.051174867	11330.94499	0.029059955	0.043676508	0.091771503	0.133912762	16.29648622	0.112017927	1.908218733	0.081456158	0.028509655	1194.833991	404563.049
Los Angeles (SC)	2025	LDA	Aggregate	65	Gasoline	1893898150	1893898150	0	77.86877335	2.295131507	2.496164923	603242.9294	4.388616024	8.891247975	16.52511953	24.11341563	1146.318188	5.963670506	74.38755823	4.057167565	1.420008648	63611.21317	0
Los Angeles (SC)	2025	LDA	Aggregate	65	Diesel	3464382.736	3464382.736	0	0.939543265	0.090560128	0.094654855	982.9271151	0.005931416	0.154860567	0.127699904	0.14537785	1.412882848	0.009313734	0.011838364	0.007574341	0.002651019	87.80448982	0
Los Angeles (SC)	2025	LDA	Aggregate	65	Electricity	2428635.966	0	2428635.966	0	0	0	0	0	0	0	0	0	0	0	0.003016401	0.00105574	0	1083635.211
Los Angeles (SC)	2025	LDA	Aggregate	65	Plug-in Hybrid	32267851.08	32144587.96	123263.1174	0.166347125	0.03917607	0.042607551	8017.863871	0.019663451	0.030119445	0.062097291	0.090612222	11.41954356	0.079264747	1.401807764	0.04016619	0.014058167	845.4737271	47606.35713
Los Angeles (SC)	2025	LDT1	Aggregate	5	Gasoline	5356846	5356846	0	1.76168401	0.076373131	0.083062748	4710.713496	0.298466841	0.121352681	1.320799855	1.927308048	20.87825292	0.046570199	0.225517591	0.050152663	0.017553432	496.7388522	0
Los Angeles (SC)	2025	LDT1	Aggregate	5	Diesel	1007.506121	1007.506121	0	0.001191214	0.001076634	0.001125314	1.159737586	6.44E-05	0.000182717	0.001385957	0.001577819	0.005453602	1.10E-05	3.44E-06	1.08E-05	3.78E-06	0.103598899	0
Los Angeles (SC)	2025	LDT1	Aggregate	5	Electricity	401462.3798	0	401462.3798	0	0	0	0	0	0	0	0	0	0	0	0.000587971	0.00020579	0	278799.7872
Los Angeles (SC)	2025	LDT1	Aggregate	5	Plug-in Hybrid	98240.1888	7103.580966	91136.60783	0.000191144	4.60E-05	5.00E-05	6.545525543	6.64E-05	3.45E-05	0.000209989	0.000306416	0.01647839	6.47E-05	0.000328875	0.000143249	5.01E-05	0.69021749	47494.89735
Los Angeles (SC)	2025	LDT1	Aggregate	10	Gasoline	30905700.68	30905700.68	0	8.671189115	0.282548686	0.307297476	21972.49552	1.11155005	0.602114869	4.932231101	7.197100045	105.0413167	0.217220488	1.30109754	0.360001061	0.126000371	2316.972199	0
Los Angeles (SC)	2025	LDT1	Aggregate	10	Diesel	5812.689518	5812.689518	0	0.007233856	0.004324323	0.00451985	5.632235646	0.000258632	0.000887361	0.005568201	0.006339027	0.022357795	5.34E-05	1.99E-05	7.76E-05	2.71E-05	0.503125379	0
Los Angeles (SC)	2025	LDT1	Aggregate	10	Electricity	642265.479	0	642265.479	0	0	0	0	0	0	0	0	0	0	0	0.001664399	0.00058254	0	301020.943
Los Angeles (SC)	2025	LDT1	Aggregate	10	Plug-in Hybrid	405383.4807	40983.28514	364400.1956	0.000714945	0.000166852	0.000181467	26.40701833	0.000182676	0.00012915	0.000577593	0.000842822	0.056371906	0.00026106	0.001897406	0.001045935	0.000366077	2.784587089	134677.2454
Los Angeles (SC)	2025	LDT1	Aggregate	15	Gasoline	67134319.72	67134319.72	0	16.20912561	0.414701132	0.451025318	39068.12856	1.647539046	1.132552318	7.328210753	10.69330793	204.4799209	0.386228225	2.826284353	0.936247154	0.327686504	4119.685342	0
Los Angeles (SC)	2025	LDT1	Aggregate	15	Diesel	12626.50411	12626.50411	0	0.016495994	0.006843188	0.007152607	10.14443063	0.000408648	0.001598259	0.00879796	0.010015893	0.036209796	9.61E-05	4.31E-05	0.000201689	7.06E-05	0.90619797	0
Los Angeles (SC)	2025	LDT1	Aggregate	15	Electricity	1430380.191	0	1430380.191	0	0	0	0	0	0	0	0	0	0	0	0.005318622	0.001861518	0	563969.7894
Los Angeles (SC)	2025	LDT1	Aggregate	15	Plug-in Hybrid	980889.0718	89025.16065	891863.9111	0.001194075	0.00024058	0.000261653	46.68845319	0.00025796	0.000215702	0.000815627	0.001190161	0.091241795	0.000461563	0.004121603	0.003631298	0.001270954	4.923239053	285274.3757
Los Angeles (SC)	2025	LDT1	Aggregate	45	Gasoline	250631554.7	250631554.7	0	39.53976185	0.426175878	0.463505151	82648.02161	1.732003602	2.777196416	7.750567558	11.30960999	449.4187583	0.817059836	10.55132523	2.758217367	0.965376078	8715.130612	0
Los Angeles (SC)	2025	LDT1	Aggregate	45	Diesel	47138.3395	47138.3395	0	0.080541369	0.009906608	0.010354541	18.32209503	0.000590184	0.002886654	0.012706303	0.014465282	0.069833518	0.000173611	0.000161079	0.000594182	0.000207964	1.636705491	0
Los Angeles (SC)	2025	LDT1	Aggregate	45	Electricity	1391543.05	0	1391543.05	0	0	0	0	0	0	0	0	0	0	0	0.006062971	0.00212204	0	529012.2279
Los Angeles (SC)	2025	LDT1	Aggregate	45	Plug-in Hybrid	633266.5566	332356.3047	300910.2519	0.002209667	0.000236271	0.000256967	99.48174707	0.000299043	0.000399163	0.000945528	0.001379712	0.151868901	0.000983478	0.01538712	0.002747416	0.000961596	10.49022593	89900.63248
Los Angeles (SC)	2025	LDT1	Aggregate	60	Gasoline	224942149.6	224942149.6	0	38.17555509	0.39280823	0.42721479	82645.44838	1.577739089	2.637236969	7.038023598	10.26986751	340.7374668	0.817034397	9.469828253	0.917331751	0.321066113	8714.859269	0
Los Angeles (SC)	2025	LDT1	Aggregate	60	Diesel	42306.72162	42306.72162	0	0.081194706	0.010218204	0.010680226	18.65518249	0.000608619	0.002939132	0.013103213	0.014917137	0.090760497	0.000176767	0.000144569	0.000197614	6.92E-05	1.666460062	0
Los Angeles (SC)	2025	LDT1	Aggregate	60	Electricity	80513.62714	0	80513.62714	0	0	0	0	0	0	0	0	0	0	0	0.000145994	5.11E-05	0	34313.8435
Los Angeles (SC)	2025	LDT1	Aggregate	60	Plug-in Hybrid	307775.9295	298290.2201	9485.709426	0.001644401	0.000223947	0.000243563	77.24272535	0.000197861	0.000297051	0.000625604	0.000912879	0.111092677	0.000763623	0.013809961	0.000555782	0.000194524	8.145148876	3336.199518
Los Angeles (SC)	2025	LDT1	Aggregate	65	Gasoline	165246072.9	165246072.9	0	29.75668149	0.322089839	0.350302087	62724.37864	1.287523258	2.037729336	5.732547027	8.364919165	242.7791217	0.620094341	6.95668612	0.476466203	0.166763171	6614.207355	0
Los Angeles (SC)	2025	LDT1	Aggregate	65	Diesel	31079.18911	31079.18911	0	0.06176852	0.008610084	0.008999393	15.39311755	0.00051282	0.002425192	0.011040719	0.012569124	0.083664158	0.000145858	0.000106203	0.000102642	3.59E-05	1.375061093	0
Los Angeles (SC)	2025	LDT1	Aggregate	65	Electricity	11752.49154	0	11752.49154	0	0	0	0	0	0	0	0	0	0	0	1.46E-05	5.12E-06	0	5243.854506
Los Angeles (SC)	2025	LDT1	Aggregate	65	Plug-in Hybrid	220145.2098	219128.7295	1016.480259	0.001133984	0.000186456	0.000202788	54.65754688	0.000133883	0.000204847	0.000423315	0.000617701	0.077846699	0.000540345	0.010145016	0.000272807	9.55E-05	5.763570025	392.5823333
Los Angeles (SC)	2025	LDT2	Aggregate	5	Gasoline	31565911.86	31565911.86	0	4.262813684	0.296801445	0.322798651	28525.08622	0.704846315	0.366423579	2.734939533	3.990817347	58.06243324	0.281999518	1.320145041	0.282299265	0.098804743	3007.934701	0
Los Angeles (SC)	2025	LDT2	Aggregate	5	Diesel	107190.5354	107190.5354	0	0.018555472	0.001437761	0.00150277	90.47717331	0.001440319	0.014254716	0.031009223	0.035301939	0.298642108	0.000857317	0.000366288	0.000944275	0.000330496	8.082290051	0
Los Angeles (SC)	2025	LDT2	Aggregate	5	Electricity	4458016.696	0	4458016.696	0	0	0	0	0	0	0	0	0	0	0	0.006502619	0.002275917	0	3095916.75
Los Angeles (SC)	2025	LDT2	Aggregate	5	Plug-in Hybrid	2207571.168	172119.222	2035451.946	0.004631395	0.001289872	0.001402853	158.5975819	0.001609832	0.000837265	0.005088023	0.007424431	0.399270133	0.001567899	0.007961173	0.00322391	0.001128368	16.72391685	1060754.658
Los Angeles (SC)	2025	LDT2	Aggregate	10	Gasoline	182115861.3	182115861.3	0	21.38352025	1.080362879	1.174993204	133093.2504	2.576885132	1.848480818	10.02833573	14.63332396	297.6457602	1.315762279	7.616423446	2.026373636	0.709230773	14034.51696	0
Los Angeles (SC)	2025	LDT2	Aggregate	10	Diesel	618423.3412	618423.3412	0	0.090402195	0.007158985	0.007482682	439.4000562	0.006211873	0.069227658	0.133737965	0.152251782	1.28904917	0.004163539	0.002113254	0.006778104	0.002372337	39.25143296	0
Los Angeles (SC)	2025	LDT2	Aggregate	10	Electricity	7132001.334	0	7132001.334	0	0	0	0	0	0	0	0	0	0	0	0.018407288	0.006442551	0	3342670.34
Los Angeles (SC)	2025	LDT2	Aggregate	10	Plug-in Hybrid	9131563.601	993021.8555	8138541.746	0.017323063	0.004682341	0.005092473	639.8400289	0.004427976	0.003131668	0.013995029	0.020421514	1.365886961	0.00632547	0.045931064	0.023596774	0.008258871	67.47033158	3007891.864
Los Angeles (SC)	2025	LDT2	Aggregate	15	Gasoline	395597711.6	395597711.6	0	40.55785428	1.561802768	1.698603011	236585.3274	3.755584026	3.520997552	14.65541275	21.38514389	588.2399948	2.338886824	16.54463078	5.269947112	1.844481489	24947.62717	0
Los Angeles (SC)	2025	LDT2	Aggregate	15	Diesel	1343358.326	1343358.326	0	0.136776331	0.012994412	0.013581962	791.4199032	0.006649295	0.124688528	0.143155402	0.162972908	1.375216009	0.007499106	0.004590476	0.017627673	0.006169686	70.69722645	0
Los Angeles (SC)	2025	LDT2	Aggregate	15	Electricity	15883577.37	0	15883577.37	0	0	0	0	0	0	0	0	0	0	0	0.058820873	0.020587306	0	6262571.198
Los Angeles (SC)	2025	LDT2	Aggregate	15	Plug-in Hybrid	22076029.39	2157072.814	19918956.57	0.028932337	0.00675135	0.007342709	1131.25764	0.006252808	0.005230396	0.019762584	0.028837516	2.210781703	0.011183633	0.099772879	0.081852226	0.028648279	119.2897046	6371339.652
Los Angeles (SC)	2025	LDT2	Aggregate	45	Gasoline	1476879037	1476879037	0	100.1157476	1.544229138	1.679490084	500673.5471	3.781814893	8.727170113	14.8606383	21.68460853	1325.910333	4.949667738	61.76582339	15.52545135	5.433907972	52795.39996	0
Los Angeles (SC)	2025	LDT2	Aggregate	45	Diesel	5015139.605	5015139.605	0	0.203651929	0.022997886	0.024037748	1429.402123	0.002627069	0.225202887	0.056559259	0.064388956	0.538314518	0.013544312	0.017137555	0.051931751	0.018176113	127.6879254	0
Los Angeles (SC)	2025	LDT2	Aggregate	45	Electricity	15452312.5	0	15452312.5	0	0	0	0	0	0	0	0	0	0	0	0.067052952	0.023468533	0	5874386.899
Los Angeles (SC)	2025	LDT2	Aggregate	45	Plug-in Hybrid	14773520.28	8052967.772	6720552.504	0.053540073	0.006630443	0.007211212	2410.435101	0.007248659	0.00967899	0.022910062	0.033430309	3.679771825	0.023829605	0.372480602	0.064201353	0.022470474	254.1773697	2007847.579
Los Angeles (SC)	2025	LDT2	Aggregate	60	Gasoline	1325500876	1325500876	0	92.95848815	1.457386455	1.585040743	501115.4843	3.527993629	8.01472302	13.80488175	20.14405105	979.5965376	4.954036737	55.43490763	5.163476104	1.807216637	52842.00169	0
Los Angeles (SC)	2025	LDT2	Aggregate	60	Diesel	4501094.384	4501094.384	0	0.170116586	0.018767692	0.019616284	1455.388011	0.001788878	0.229296974	0.038513485	0.043845043	0.37463399	0.013790541	0.015380978	0.017271534	0.006045037	130.0092345	0
Los Angeles (SC)	2025	LDT2	Aggregate	60	Electricity	894059.1001	0	894059.1001	0	0	0	0	0	0	0	0	0	0	0	0.001614607	0.000565113	0	381036.1691
Los Angeles (SC)	2025	LDT2	Aggregate	60	Plug-in Hybrid	7439403.711	7227549.154	211854.5574	0.039843708	0.006284593	0.006835068	1871.585311	0.004796039	0.007202957	0.015158329	0.022118999	2.691767037	0.018502526	0.33430183	0.013457946	0.004710281	197.3563325	74510.93435
Los Angeles (SC)	2025	LDT2	Aggregate	65	Gasoline	973733979.2	973733979.2	0	70.95836743	1.210616724	1.316656145	380282.9677	2.919079649	6.08000117	11.3954288	16.62818295	686.4550366	3.759484294	40.72336289	2.681932518	0.938676381	40100.3638	0
Los Angeles (SC)	2025	LDT2	Aggregate	65	Diesel	3306575.366	3306575.366	0	0.126813908	0.014251817	0.014896221	1200.897324	0.001343808	0.189201863	0.028931398	0.032936473	0.286062808	0.011379112	0.011299111	0.008970912	0.003139819	107.2756823	0
Los Angeles (SC)	2025	LDT2	Aggregate	65	Electricity	130504.8895	0	130504.8895	0	0	0	0	0	0	0	0	0	0	0	0.000161734	5.66E-05	0	58230.09107
Los Angeles (SC)	2025	LDT2	Aggregate	65	Plug-in Hybrid	5332174.457	5309472.309	22702.1476	0.027476335	0.005232473	0.005690792	1324.348169	0.003245245	0.00496718	0.010256901	0.014966846	1.886219553	0.01309253	0.245583429	0.006619477	0.002316817	139.6508596	8767.963756
Los Angeles (SC)	2025	LHD1	Aggregate	5	Gasoline	409834.8342	409834.8342	0	0.09160435	0.001655424	0.001800424	684.6804941	0.011573518	0.005374271	0.055498652	0.080983502	1.149199089	0.006768764	0.020289868	0.035237715	0.0123332	72.19870261	0
Los Angeles (SC)	2025	LHD1	Aggregate	5	Diesel	138333.5534	138333.5534	0	0.214968622	0.009220251	0.00963715	174.9716734	0.002067832	0.027566858	0.044519209	0.05068216	0.135688921	0.001657946	0.028890117	0.011893958	0.004162885	15.63015028	0
Los Angeles (SC)	2025	LHD1	Aggregate	5	Electricity	6984.407178	0	6984.407178	0	0	0	0	0	0	0	0	0	0	0	0.000300261	0.000105091	0	13125.43355
Los Angeles (SC)	2025	LHD1	Aggregate	10	Gasoline	5598925.352	5598925.352	0	1.12868862	0.016458268	0.017899868	7945.970793	0.106883017	0.065734406	0.511376472	0.746199347	12.11979683	0.078554011	0.277188386	0.481397182	0.168489014	837.8926918	0
Los Angeles (SC)	2025	LHD1	Aggregate	10	Diesel	1848496.812	1848496.812	0	2.627335767	0.10172022	0.106319557	2032.196652	0.023179542	0.32017341	0.499041895	0.568126019	1.460595265	0.019256096	0.386047257	0.158934278	0.055626997	181.5353219	0
Los Angeles (SC)	2025	LHD1	Aggregate	10	Electricity	94797.03632	0	94797.03632	0	0	0	0	0	0	0	0	0	0	0	0.004075338	0.001426368	0	84384.18953
Los Angeles (SC)	2025	LHD1	Aggregate	15	Gasoline	16911359.7	16911359.7	0	3.102701334	0.037768186	0.041076349	20375.75313	0.229143559	0.179270699	1.096193588	1.59956311	28.90847757	0.201435064	0.837237899	1.45404348	0.508915218	2148.597709	0
Los Angeles (SC)	2025	LHD1	Aggregate	15	Diesel	5641124.195	5641124.195	0	7.357172834	0.257533715	0.269178247	5299.805281	0.059875785	0.83498648	1.2890904	1.467543715	3.601620938	0.050218348	1.178114295	0.485025451	0.169758908	473.4295064	0
Los Angeles (SC)	2025	LHD1	Aggregate	15	Electricity	287197.9886	0	287197.9886	0	0	0	0	0	0	0	0	0	0	0	0.012346682	0.004321339	0	213105.4578
Los Angeles (SC)	2025	LHD1	Aggregate	45	Gasoline	138708998	138708998	0	20.46438249	0.127843332	0.139041288	79689.79952	0.551843104	1.144734902	2.809657451	4.099845558	105.3597087	0.787814799	6.867125532	11.9262388	4.174183579	8403.189789	0
Los Angeles (SC)	2025	LHD1	Aggregate	45	Diesel	55348769.67	55348769.67	0	53.78629643	0.913442482	0.954744298	25695.81446	0.228347981	4.048386033	4.91619759	5.596764105	9.564708467	0.243480901	11.55925211	4.758902838	1.665615993	2295.396927	0
Los Angeles (SC)	2025	LHD1	Aggregate	45	Electricity	2491790.793	0	2491790.793	0	0	0	0	0	0	0	0	0	0	0	0.107122438	0.037492853	0	1381182.595
Los Angeles (SC)	2025	LHD1	Aggregate	60	Gasoline	166333526.2	166333526.2	0	26.14563519	0.18301634	0.199046968	97115.29277	0.748517281	1.474241056	3.809379651	5.558637845	182.2890784	0.96008354	8.234744837	14.30140353	5.005491237	10240.68628	0
Los Angeles (SC)	2025	LHD1	Aggregate	60	Diesel	85104056.17	85104056.17	0	88.38154154	1.275507315	1.333180096	39524.19367	0.258240921	6.227052808	5.559774988	6.329434185	13.39229676	0.374511821	17.77346176	7.31727077	2.561044769	3530.680563	0
Los Angeles (SC)	2025	LHD1	Aggregate	60	Electricity	3268954.122	0	3268954.122	0	0	0	0	0	0	0	0	0	0	0	0.140532799	0.04918648	0	1861577.098
Los Angeles (SC)	2025	LHD1	Aggregate	65	Gasoline	123196345.3	123196345.3	0	20.1094212	0.155465913	0.169083365	76496.1473	0.651871809	1.140728861	3.28737898	4.79693569	167.2248676	0.756242295	6.099134018	10.59245654	3.707359789	8066.423153	0
Los Angeles (SC)	2025	LHD1	Aggregate	65	Diesel	54530527.09	54530527.09	0	59.55966314	0.892534865	0.932891331	27123.26499	0.162346655	4.273281446	3.495227905	3.979084592	10.37350764	0.25700672	11.38836716	4.688550111	1.640992539	2422.910518	0
Los Angeles (SC)	2025	LHD1	Aggregate	65	Electricity	2293674.147	0	2293674.147	0	0	0	0	0	0	0	0	0	0	0	0.098605375	0.034511881	0	1377074.549
Los Angeles (SC)	2025	LHD2	Aggregate	5	Gasoline	58490.96994	58490.96994	0	0.014786616	0.000221232	0.00024061	112.0948839	0.001347911	0.000900359	0.00607588	0.00886591	0.124717476	0.001108172	0.002899754	0.005867248	0.002053537	11.82026545	0
Los Angeles (SC)	2025	LHD2	Aggregate	5	Diesel	61578.83021	61578.83021	0	0.094948669	0.004114305	0.004300335	91.69898198	0.000912277	0.014447212	0.019640797	0.022359741	0.059159102	0.000868894	0.013080542	0.006176993	0.002161947	8.191433735	0
Los Angeles (SC)	2025	LHD2	Aggregate	5	Electricity	1492.481685	0	1492.481685	0	0	0	0	0	0	0	0	0	0	0	7.49E-05	2.62E-05	0	2804.743291
Los Angeles (SC)	2025	LHD2	Aggregate	10	Gasoline	799069.6424	799069.6424	0	0.179147618	0.002175154	0.002365678	1298.217263	0.012259668	0.010896257	0.055003993	0.080261698	1.360052561	0.012834199	0.039614758	0.080154939	0.028054229	136.8953883	0
Los Angeles (SC)	2025	LHD2	Aggregate	10	Diesel	822853.6646	822853.6646	0	1.144071791	0.045613822	0.047676277	1068.458979	0.010358461	0.168336147	0.223011572	0.253883848	0.642301143	0.010124192	0.174790129	0.082540722	0.028889253	95.44501736	0
Los Angeles (SC)	2025	LHD2	Aggregate	10	Electricity	20118.2505	0	20118.2505	0	0	0	0	0	0	0	0	0	0	0	0.001009034	0.000353162	0	17908.38964
Los Angeles (SC)	2025	LHD2	Aggregate	15	Gasoline	2413562.122	2413562.122	0	0.483847765	0.004947914	0.005381308	3323.483888	0.025884132	0.029379101	0.115855269	0.169055736	3.315745296	0.032856022	0.119655002	0.242105211	0.084736824	350.4572234	0
Los Angeles (SC)	2025	LHD2	Aggregate	15	Diesel	2511132.118	2511132.118	0	3.154224613	0.115975354	0.121219245	2799.940111	0.027037203	0.441131705	0.582095069	0.662676536	1.591766849	0.026530855	0.533413321	0.25189249	0.088162371	250.1175409	0
Los Angeles (SC)	2025	LHD2	Aggregate	15	Electricity	61145.67558	0	61145.67558	0	0	0	0	0	0	0	0	0	0	0	0.003066771	0.00107337	0	45371.06006
Los Angeles (SC)	2025	LHD2	Aggregate	45	Gasoline	19796325.63	19796325.63	0	2.926047632	0.016329475	0.017759794	13112.12571	0.055164857	0.177727405	0.26265602	0.383267047	11.79979677	0.129626712	0.981424656	1.985775942	0.69502158	1382.657273	0
Los Angeles (SC)	2025	LHD2	Aggregate	45	Diesel	24638364.34	24638364.34	0	21.11196514	0.418297758	0.437211326	13491.79262	0.105668186	2.125637422	2.274973838	2.589906464	4.014152994	0.127841592	5.233667972	2.47148244	0.865018854	1205.21649	0
Los Angeles (SC)	2025	LHD2	Aggregate	45	Electricity	561087.1874	0	561087.1874	0	0	0	0	0	0	0	0	0	0	0	0.02814142	0.009849497	0	311006.7907

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	LHD2	Aggregate	60	Gasoline	23738853.97	23738853.97	0	3.71334068	0.023288816	0.025328713	16058.5558	0.073737514	0.229472968	0.350480035	0.511419645	19.70706935	0.158755173	1.176879843	2.381252259	0.833438291	1693.354644	0
Los Angeles (SC)	2025	LHD2	Aggregate	60	Diesel	37883854.61	37883854.61	0	34.62531522	0.578319954	0.604469016	20681.2623	0.114846536	3.258341298	2.472578305	2.814866012	5.194387368	0.195965471	8.047267821	3.800141931	1.330049676	1847.448969	0
Los Angeles (SC)	2025	LHD2	Aggregate	60	Electricity	795716.1772	0	795716.1772	0	0	0	0	0	0	0	0	0	0	0	0.039909276	0.013968247	0	453137.9019
Los Angeles (SC)	2025	LHD2	Aggregate	65	Gasoline	17582384.72	17582384.72	0	2.868126506	0.019772119	0.021503983	12623.58411	0.064734856	0.178543141	0.30424704	0.443956566	17.79332632	0.124796981	0.871666096	1.763694802	0.617293181	1331.141172	0
Los Angeles (SC)	2025	LHD2	Aggregate	65	Diesel	24274125.74	24274125.74	0	23.50751739	0.401966856	0.420142013	14203.20214	0.070300875	2.237720281	1.513536457	1.723060629	3.983645063	0.134582558	5.156296606	2.434945546	0.852230941	1268.766421	0
Los Angeles (SC)	2025	LHD2	Aggregate	65	Electricity	533576.6133	0	533576.6133	0	0	0	0	0	0	0	0	0	0	0	0.026761623	0.009366568	0	320348.37
Los Angeles (SC)	2025	MCY	Aggregate	5	Gasoline	473753.629	473753.629	0	0.419108519	0.006543025	0.007008847	239.7623451	0.499566634	0.031020477	3.125029164	3.832014735	13.04428757	0.002370295	0.004651513	0.006266688	0.002193341	25.28263972	0
Los Angeles (SC)	2025	MCY	Aggregate	10	Gasoline	2733266.525	2733266.525	0	2.164276547	0.023974203	0.025676815	1114.813281	1.844345877	0.159281805	11.60181317	14.19587493	63.01401223	0.011021064	0.026836362	0.036154927	0.012654225	117.5556676	0
Los Angeles (SC)	2025	MCY	Aggregate	15	Gasoline	5937286.157	5937286.157	0	4.244202887	0.034892976	0.037364938	1976.481911	2.705298512	0.310534427	17.09242357	20.87887479	117.6190378	0.019539536	0.058294777	0.078536852	0.027487898	208.4175479	0
Los Angeles (SC)	2025	MCY	Aggregate	45	Gasoline	22165581.87	22165581.87	0	12.01296365	0.035972205	0.038489038	4138.64375	2.899585576	0.851864131	18.72483819	22.68282325	257.9685772	0.040914707	0.217631021	0.293200459	0.102620161	436.4148123	0
Los Angeles (SC)	2025	MCY	Aggregate	60	Gasoline	19893638.85	19893638.85	0	11.18532461	0.034539445	0.036948201	4087.848972	2.811134013	0.788335433	18.24471128	22.0593964	225.1448781	0.040412549	0.195324127	0.263147797	0.092101729	431.0585665	0
Los Angeles (SC)	2025	MCY	Aggregate	65	Gasoline	14614182.81	14614182.81	0	8.452213965	0.028812109	0.030820487	3105.479743	2.345320432	0.59577181	15.2175038	18.40113089	174.0117215	0.030700829	0.143488203	0.193312548	0.067659392	327.4689587	0
Los Angeles (SC)	2025	MDV	Aggregate	5	Gasoline	17403078.22	17403078.22	0	3.668485245	0.164810691	0.179245463	19252.86694	0.55526295	0.274367465	2.306299923	3.364773877	39.34591965	0.190334191	0.71896294	0.159415741	0.055795509	2030.190763	0
Los Angeles (SC)	2025	MDV	Aggregate	5	Diesel	204770.1678	204770.1678	0	0.034304341	0.005196159	0.005431106	217.8866659	0.002008502	0.034328133	0.043241869	0.049227993	0.849459149	0.002064587	0.000699733	0.001873066	0.000655573	19.46372956	0
Los Angeles (SC)	2025	MDV	Aggregate	5	Electricity	4826233.756	0	4826233.756	0	0	0	0	0	0	0	0	0	0	0	0.007039508	0.002463828	0	3351628.974
Los Angeles (SC)	2025	MDV	Aggregate	5	Plug-in Hybrid	1202953.511	95470.58897	1107482.922	0.002568928	0.000807254	0.000877962	87.97044501	0.000885092	0.000456585	0.00282221	0.004118162	0.221465995	0.000869677	0.004420008	0.001757843	0.000615245	9.27637351	577153.2311
Los Angeles (SC)	2025	MDV	Aggregate	10	Gasoline	100405038	100405038	0	18.41614243	0.60080171	0.65342185	89880.35756	2.033029227	1.382367495	8.465766379	12.35090318	200.8187666	0.88855884	4.147973157	1.144302854	0.400505999	9477.771402	0
Los Angeles (SC)	2025	MDV	Aggregate	10	Diesel	1181397.694	1181397.694	0	0.1778893	0.0229406	0.023977873	1067.559957	0.008597054	0.168194506	0.185089503	0.210712094	3.661377074	0.010115673	0.00403703	0.013445063	0.004705772	95.36470809	0
Los Angeles (SC)	2025	MDV	Aggregate	10	Electricity	7721080.457	0	7721080.457	0	0	0	0	0	0	0	0	0	0	0	0.019927089	0.006974481	0	3618763.574
Los Angeles (SC)	2025	MDV	Aggregate	10	Plug-in Hybrid	4978961.117	550806.472	4428154.645	0.009608706	0.002930398	0.003187076	354.9046045	0.00243452	0.001707792	0.007762722	0.011327346	0.757626203	0.003508593	0.025500721	0.012874056	0.004505919	37.42424711	1636584.384
Los Angeles (SC)	2025	MDV	Aggregate	15	Gasoline	218102931.7	218102931.7	0	34.96106422	0.869774241	0.945951203	159758.6742	2.96681574	2.631153937	12.38292649	18.0654623	395.6365659	1.579377141	9.010355696	2.975964261	1.041587491	16846.35258	0
Los Angeles (SC)	2025	MDV	Aggregate	15	Diesel	2566268.643	2566268.643	0	0.310900308	0.038793906	0.040547995	1966.656522	0.00965528	0.309847536	0.207872488	0.236649008	3.960500079	0.01863507	0.008769361	0.034966292	0.012238202	175.6806481	0
Los Angeles (SC)	2025	MDV	Aggregate	15	Electricity	17195507	0	17195507	0	0	0	0	0	0	0	0	0	0	0	0.063677427	0.022287099	0	6779838.34
Los Angeles (SC)	2025	MDV	Aggregate	15	Plug-in Hybrid	12034319.71	1196478.869	10837840.84	0.016048105	0.004225268	0.004595365	627.4826943	0.003437821	0.002852291	0.010961852	0.015995509	1.226269959	0.006203305	0.055393456	0.044647594	0.015626658	66.1672661	3466625.614
Los Angeles (SC)	2025	MDV	Aggregate	45	Gasoline	814240422.7	814240422.7	0	86.84932068	0.864123132	0.939801735	338154.9394	3.009192261	6.537294253	12.65131161	18.45544164	889.7433902	3.343005844	33.63822656	8.767296401	3.06855374	35658.01585	0
Los Angeles (SC)	2025	MDV	Aggregate	45	Diesel	9580612.458	9580612.458	0	0.884001347	0.062421317	0.065243732	3637.280851	0.005287719	0.573055079	0.113841472	0.129600947	1.795219568	0.034465085	0.032738525	0.103011939	0.036054179	324.9168576	0
Los Angeles (SC)	2025	MDV	Aggregate	45	Electricity	16728621.11	0	16728621.11	0	0	0	0	0	0	0	0	0	0	0	0.072589188	0.025406216	0	6359591.334
Los Angeles (SC)	2025	MDV	Aggregate	45	Plug-in Hybrid	8123427.935	4466796.72	3656631.214	0.029697452	0.0041496	0.004513069	1337.013125	0.003985344	0.005278242	0.012707687	0.018543026	2.041085123	0.013217736	0.206799564	0.035330759	0.012365766	140.9863635	1092463.473
Los Angeles (SC)	2025	MDV	Aggregate	60	Gasoline	730781848.9	730781848.9	0	80.77093021	0.814681855	0.886029552	338407.8614	2.813892073	6.029039031	11.80653939	17.22261229	663.3741219	3.345506236	30.19035252	2.915839575	1.020543851	35684.68616	0
Los Angeles (SC)	2025	MDV	Aggregate	60	Diesel	8598612.266	8598612.266	0	0.843111885	0.05697642	0.059552641	3749.09746	0.004310928	0.590671832	0.092811744	0.10566	1.434884615	0.035524604	0.029382869	0.034259853	0.011990949	334.9053909	0
Los Angeles (SC)	2025	MDV	Aggregate	60	Electricity	967905.3497	0	967905.3497	0	0	0	0	0	0	0	0	0	0	0	0.001747917	0.000611771	0	412508.4644
Los Angeles (SC)	2025	MDV	Aggregate	60	Plug-in Hybrid	4124225.314	4008955.924	115269.39	0.022100392	0.003933153	0.004277662	1038.125492	0.002636883	0.003927987	0.008407978	0.012268902	1.493061504	0.010262927	0.18560288	0.007468196	0.002613869	109.469036	40541.16208
Los Angeles (SC)	2025	MDV	Aggregate	65	Gasoline	536843943.7	536843943.7	0	61.65929514	0.67620414	0.735424199	256715.0931	2.328762159	4.582430892	9.756442225	14.23201921	467.917061	2.537890051	22.17831208	1.51450008	0.530075028	27070.28581	0
Los Angeles (SC)	2025	MDV	Aggregate	65	Diesel	6316677.03	6316677.03	0	0.637840404	0.045673168	0.047738306	3092.520481	0.003429489	0.487227861	0.07383488	0.084056102	1.15884316	0.029303203	0.021585122	0.017794721	0.006228152	276.2536296	0
Los Angeles (SC)	2025	MDV	Aggregate	65	Electricity	141284.1508	0	141284.1508	0	0	0	0	0	0	0	0	0	0	0	0.000175087	6.13E-05	0	63039.69911
Los Angeles (SC)	2025	MDV	Aggregate	65	Plug-in Hybrid	2957394.81	2945042.644	12352.16621	0.015240493	0.003274693	0.003561528	734.5855868	0.00178425	0.002708751	0.005689268	0.008301766	1.04624277	0.007262126	0.136346821	0.003675071	0.001286275	77.46113229	4770.621156
Los Angeles (SC)	2025	MH	Aggregate	5	Gasoline	27651.25858	27651.25858	0	0.016295271	0.000243999	0.000265371	128.4856724	0.002040172	0.001122903	0.008432449	0.01230461	0.104622272	0.001270212	0.001366446	0.001874412	0.000656044	13.54865361	0
Los Angeles (SC)	2025	MH	Aggregate	5	Diesel	8729.263609	8729.263609	0	0.121089466	0.001712038	0.001789449	20.77677713	0.00040254	0.00327339	0.008666441	0.009866167	0.02110165	0.000196871	0.001575856	0.000591736	0.000207107	1.855981271	0
Los Angeles (SC)	2025	MH	Aggregate	10	Gasoline	208616.7617	208616.7617	0	0.109275025	0.001168651	0.001271015	786.8249759	0.009925778	0.007463534	0.041383747	0.060387066	0.612280775	0.007778566	0.010309239	0.014141626	0.004949569	82.9697106	0
Los Angeles (SC)	2025	MH	Aggregate	10	Diesel	64041.68921	64041.68921	0	0.740889499	0.010823185	0.011312562	138.404833	0.002222122	0.021805738	0.047840985	0.054463781	0.120752567	0.001311456	0.011561166	0.004341231	0.001519431	12.3636489	0
Los Angeles (SC)	2025	MH	Aggregate	15	Gasoline	591316.665	591316.665	0	0.278669478	0.00221856	0.002412887	1823.769195	0.019193877	0.018856457	0.080707798	0.11776863	1.412095983	0.018029815	0.029221166	0.040083927	0.014029374	192.3141829	0
Los Angeles (SC)	2025	MH	Aggregate	15	Diesel	184234.2492	184234.2492	0	1.459164127	0.022858157	0.023891701	326.9247913	0.003197946	0.051507134	0.068849896	0.078381029	0.196039084	0.003097779	0.033259002	0.012488794	0.004371078	29.20406211	0
Los Angeles (SC)	2025	MH	Aggregate	45	Gasoline	4234132.951	4234132.951	0	1.489134625	0.004378084	0.004761566	7413.067759	0.041152414	0.095732252	0.179659664	0.262158959	5.668542714	0.073285722	0.209238655	0.194092424	0.067932348	781.6987327	0
Los Angeles (SC)	2025	MH	Aggregate	45	Diesel	1496657.731	1496657.731	0	4.96040884	0.09777168	0.102192481	1597.557815	0.003484159	0.251695884	0.075011896	0.085396057	0.344586636	0.015137672	0.270185064	0.068606709	0.024012348	142.7092068	0
Los Angeles (SC)	2025	MH	Aggregate	60	Gasoline	5475438.301	5475438.301	0	1.991977183	0.006053784	0.006584042	10690.59688	0.058167252	0.126745677	0.256154115	0.373779484	8.383137557	0.105687434	0.27058039	0.250993794	0.087847828	1127.310084	0
Los Angeles (SC)	2025	MH	Aggregate	60	Diesel	2384781.652	2384781.652	0	7.373133688	0.211589444	0.22115658	2459.919538	0.005095728	0.387561325	0.109708027	0.124895294	0.495033382	0.023308988	0.430514185	0.109318261	0.038261391	219.7436379	0
Los Angeles (SC)	2025	MH	Aggregate	65	Gasoline	4240128.398	4240128.398	0	1.598806598	0.005322963	0.005789207	8532.96444	0.051277118	0.101722323	0.226081182	0.32989713	7.438880776	0.084357041	0.209534932	0.194367255	0.068028539	899.7904385	0
Los Angeles (SC)	2025	MH	Aggregate	65	Diesel	1670354.502	1670354.502	0	5.254950854	0.171626768	0.179386969	1748.529722	0.00394046	0.27548157	0.08483578	0.096579895	0.366514962	0.016568208	0.301541781	0.07656896	0.026799136	156.1954674	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	5	Diesel	31931.36246	31931.36246	0	0.368931082	0.000352457	0.000368394	123.8322615	0.00020913	0.019509823	0.004502517	0.005125773	0.045324868	0.001172617	0.007743624	0.004828548	0.001689992	11.06188687	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	10	Diesel	123991.4347	123991.4347	0	1.036127222	0.001172124	0.001225123	410.7230444	0.000468942	0.064709583	0.010096189	0.011493742	0.108967539	0.003889302	0.030068967	0.018749549	0.006562342	36.68972685	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	15	Diesel	322658.0399	322658.0399	0	1.801457735	0.002478622	0.002590694	876.4731838	0.000615456	0.138088707	0.01325059	0.015084788	0.154991146	0.008299677	0.078247291	0.048143332	0.016850166	78.29500231	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	45	Diesel	1802949.575	1802949.575	0	2.007658752	0.024955532	0.02608391	3176.282874	0.000923126	0.50042466	0.019874647	0.022625773	0.154357467	0.030077499	0.437230451	0.158222913	0.05537802	283.7360909	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	60	Diesel	5282786.718	5282786.718	0	7.326069296	0.155231485	0.162250364	9718.913879	0.003279994	1.53121884	0.070617377	0.080392508	0.277390394	0.092032303	1.281120254	0.404002282	0.141400799	868.1867269	0
Los Angeles (SC)	2025	Motor Coach	Aggregate	65	Diesel	3621109.289	3621109.289	0	6.687846526	0.131975894	0.137943258	7024.756973	0.002678908	1.106753322	0.05767616	0.065659918	0.212264637	0.066520248	0.878149488	0.276925133	0.096923797	627.5187577	0
Los Angeles (SC)	2025	OBUS	Aggregate	5	Gasoline	80924.87786	80924.87786	0	0.067880451	0.000483331	0.000525666	350.4684889	0.006154035	0.003322091	0.029748593	0.043409077	0.235953472	0.003464738	0.004012241	0.005485702	0.001919996	36.95646425	0
Los Angeles (SC)	2025	OBUS	Aggregate	5	Electricity	830.211866	0	830.211866	0	0	0	0	0	0	0	0	0	0	0	2.81E-05	9.85E-06	0	2918.453761
Los Angeles (SC)	2025	OBUS	Aggregate	10	Gasoline	315818.9125	315818.9125	0	0.231538006	0.001189896	0.00129412	1110.312381	0.015209922	0.011300233	0.073641597	0.107457646	0.806146034	0.010976568	0.015658246	0.0214086	0.00749301	117.0810533	0
Los Angeles (SC)	2025	OBUS	Aggregate	10	Electricity	3240.000054	0	3240.000054	0	0	0	0	0	0	0	0	0	0	0	0.000109816	3.84E-05	0	5394.995838
Los Angeles (SC)	2025	OBUS	Aggregate	15	Gasoline	813088.8251	813088.8251	0	0.529803815	0.002038751	0.002217327	2337.790446	0.026163437	0.025779962	0.126876246	0.18513752	1.846417178	0.023111439	0.040312802	0.055117325	0.019291064	246.5170816	0
Los Angeles (SC)	2025	OBUS	Aggregate	15	Electricity	8341.513866	0	8341.513866	0	0	0	0	0	0	0	0	0	0	0	0.000282726	9.90E-05	0	11578.11417
Los Angeles (SC)	2025	OBUS	Aggregate	45	Gasoline	4267542.743	4267542.743	0	1.918278995	0.002854074	0.003104066	6965.538225	0.037398769	0.091719481	0.182836644	0.266794801	5.843616848	0.068861437	0.211584022	0.195623927	0.068468375	734.5073026	0
Los Angeles (SC)	2025	OBUS	Aggregate	45	Electricity	43780.9079	0	43780.9079	0	0	0	0	0	0	0	0	0	0	0	0.001003457	0.00035121	0	45394.58566
Los Angeles (SC)	2025	OBUS	Aggregate	60	Gasoline	6707981.442	6707981.442	0	3.148631113	0.004755675	0.005172231	12206.03748	0.061885349	0.149969946	0.303157642	0.44236692	7.976408761	0.120669107	0.332580545	0.307493505	0.107622727	1287.111401	0
Los Angeles (SC)	2025	OBUS	Aggregate	60	Electricity	68817.47538	0	68817.47538	0	0	0	0	0	0	0	0	0	0	0	0.001577295	0.000552053	0	73307.88857
Los Angeles (SC)	2025	OBUS	Aggregate	65	Gasoline	4113650.468	4113650.468	0	2.019337167	0.003307196	0.003596878	7713.804624	0.042861659	0.096178464	0.210022651	0.306464559	4.831414601	0.076258812	0.20395407	0.188569514	0.06599933	813.4110595	0
Los Angeles (SC)	2025	OBUS	Aggregate	65	Electricity	42202.12031	0	42202.12031	0	0	0	0	0	0	0	0	0	0	0	0.000967271	0.000338545	0	47395.79109
Los Angeles (SC)	2025	SBUS	Aggregate	5	Gasoline	603469.4392	603469.4392	0	0.522786365	0.003217454	0.003499275	1254.949144	0.038706036	0.028750621	0.192467452	0.280848055	1.383538134	0.01240645	0.029934495	0.040907734	0.014317707	132.3328193	0
Los Angeles (SC)	2025	SBUS	Aggregate	5	Diesel	299712.7339	299712.7339	0	6.657973958	0.05169045	0.054027662	794.7763258	0.01473038	0.125217334	0.317141047	0.36104094	0.424144579	0.007526057	0.027965359	0.020316801	0.007110881	70.99705435	0
Los Angeles (SC)	2025	SBUS	Aggregate	5	Electricity	7959.257582	0	7959.257582	0	0	0	0	0	0	0	0	0	0	0	0.000269769	9.44E-05	0	27979.27393
Los Angeles (SC)	2025	SBUS	Aggregate	5	Natural Gas	371701.7425	371701.7425	0	2.820473361	0.00461651	0.005020876	3681.085928	11.15237326	0.750413447	0.159345409	11.38181491	41.6869589	0	0.434314773	0.025196762	0.008818867	425.4773894	0
Los Angeles (SC)	2025	SBUS	Aggregate	10	Gasoline	864790.3927	864790.3927	0	0.655632675	0.002901049	0.003155155	1459.971572	0.034775151	0.036056499	0.172920955	0.252325851	1.799375976	0.014433305	0.042897058	0.05862205	0.020517717	153.9521781	0
Los Angeles (SC)	2025	SBUS	Aggregate	10	Diesel	429497.6282	429497.6282	0	7.832215744	0.061098608	0.063861216	1005.254436	0.015882336	0.158378246	0.341942342	0.389275327	0.499438895	0.009519158	0.040075226	0.029114606	0.010190112	89.79898052	0
Los Angeles (SC)	2025	SBUS	Aggregate	10	Electricity	11405.86257	0	11405.86257	0	0	0	0	0	0	0	0	0	0	0	0.000386588	0.000135306	0	18992.15434
Los Angeles (SC)	2025	SBUS	Aggregate	10	Natural Gas	532660.1067	532660.1067	0	2.177737716	0.006000904	0.006526531	3364.836241	9.820184782	0.68594388	0.140311064	10.02221886	35.5919705	0	0.622386518	0.036107741	0.012637709	388.923749	0
Los Angeles (SC)	2025	SBUS	Aggregate	15	Gasoline	1238934.806	1238934.806	0	0.833840354	0.002758762	0.003000406	1710.706155	0.032979682	0.045857026	0.163992907	0.239298064	2.347830738	0.016912072	0.061456116	0.083984395	0.029394538	180.3918266	0
Los Angeles (SC)	2025	SBUS	Aggregate	15	Diesel	615316.226	615316.226	0	7.74171099	0.05767524	0.060283058	1170.093087	0.011781581	0.184348642	0.253654214	0.288766014	0.488804556	0.011080082	0.057413441	0.041710799	0.01459878	104.523952	0
Los Angeles (SC)	2025	SBUS	Aggregate	15	Electricity	16340.51471	0	16340.51471	0	0	0	0	0	0	0	0	0	0	0	0.000553842	0.000193845	0	22680.81645
Los Angeles (SC)	2025	SBUS	Aggregate	15	Natural Gas	763111.098	763111.098	0	1.430793327	0.006991906	0.007604336	2735.857369	7.617188879	0.557722422	0.108834599	7.773899952	26.55488394	0	0.891656899	0.051729456	0.01810531	316.2233846	0
Los Angeles (SC)	2025	SBUS	Aggregate	45	Gasoline	1209054.263	1209054.263	0	0.54169185	0.000708227	0.000770261	947.7171734	0.008450425	0.029790327	0.042020105	0.061315639	1.403436742	0.009369149	0.059973921	0.055422982	0.019398044	99.93559179	0
Los Angeles (SC)	2025	SBUS	Aggregate	45	Diesel	600476.0721	600476.0721	0	4.806135817	0.02021928	0.021133506	698.5691651	0.001812001	0.110059856	0.039011878	0.044412053	0.147352032	0.006615032	0.056028748	0.02752579	0.009634027	62.40290679	0
Los Angeles (SC)	2025	SBUS	Aggregate	45	Electricity	15946.41532	0	15946.41532	0	0	0	0	0	0	0	0	0	0	0	0.000365491	0.000127922	0	16534.16868
Los Angeles (SC)	2025	SBUS	Aggregate	45	Natural Gas	744706.4376	744706.4376	0	0.215467627	0.001687978	0.00183583	687.2801801	1.709356844	0.140106561	0.024423337	1.744524036	5.429212909	0	0.87015198	0.034137303	0.011948056	79.43910643	0
Los Angeles (SC)	2025	SBUS	Aggregate	60	Gasoline	834917.7184	834917.7184	0	0.376600323	0.000516499	0.00056174	729.3456095	0.006174937	0.020711124	0.030705146	0.044804877	0.788883787	0.007210324	0.041415254	0.038272583	0.013395404	76.90858323	0
Los Angeles (SC)	2025	SBUS	Aggregate	60	Diesel	414661.3825	414661.3825	0	3.366706061	0.019030575	0.019891053	480.7331202	0.001308268	0.075739699	0.02816666	0.032065598	0.09194096	0.004552255	0.038690897	0.019008055	0.006652819	42.94369919	0
Los Angeles (SC)	2025	SBUS	Aggregate	60	Electricity	11011.86696	0	11011.86696	0	0	0	0	0	0	0	0	0	0	0	0.000252392	8.83E-05	0	11730.40295
Los Angeles (SC)	2025	SBUS	Aggregate	60	Natural Gas	514260.2933	514260.2933	0	0.10769171	0.001105258	0.001202069	375.4633385	0.915809672	0.076540658	0.013085113	0.934650943	2.862369112	0	0.600887262	0.023573664	0.008250782	43.39783536	0
Los Angeles (SC)	2025	SBUS	Aggregate	65	Gasoline	490645.9792	490645.9792	0	0.224885918	0.000344004	0.000374136	441.6504827	0.004151908	0.012367594	0.020645546	0.030125932	0.438934476	0.004366165	0.024338001	0.022491185	0.007871915	46.57149157	0
Los Angeles (SC)	2025	SBUS	Aggregate	65	Diesel	243679.0303	243679.0303	0	1.980525021	0.011317944	0.011829691	288.6890963	0.00077475	0.045483085	0.016680145	0.018989075	0.054211147	0.002733713	0.022737011	0.011170234	0.003909582	25.78848261	0
Los Angeles (SC)	2025	SBUS	Aggregate	65	Electricity	6471.210431	0	6471.210431	0	0	0	0	0	0	0	0	0	0	0	0.00014832	5.19E-05	0	7267.600193
Los Angeles (SC)	2025	SBUS	Aggregate	65	Natural Gas	302209.1155	302209.1155	0	0.063104028	0.000649513	0.000706405	220.6439907	0.538182774	0.044979721	0.00768957	0.549254995	1.682093773	0	0.353116137	0.013853249	0.004848637	25.50308007	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	5	Diesel	186.1444783	186.1444783	0	0.000453091	3.06E-06	3.20E-06	0.48098312	1.02E-06	7.58E-05	2.19E-05	2.49E-05	6.31E-05	4.55E-06	4.49E-05	1.26E-05	4.42E-06	0.042966032	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	5	Electricity	2.805162182	0	2.805162182	0	0	0	0	0	0	0	0	0	0	0	9.51E-08	3.33E-08	0	9.861020366
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	10	Diesel	1416.072717	1416.072717	0	0.00252008	1.88E-05	1.96E-05	3.021925597	4.77E-06	0.000476106	0.000102741	0.000116963	0.000330715	2.86E-05	0.000341599	9.60E-05	3.36E-05	0.269947417	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	10	Electricity	21.33994878	0	21.33994878	0	0	0	0	0	0	0	0	0	0	0	7.23E-07	2.53E-07	0	35.53362128
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	15	Diesel	4027.196768	4027.196768	0	0.004780595	3.52E-05	3.68E-05	6.750206781	6.49E-06	0.001063498	0.000139637	0.000158967	0.000583239	6.39E-05	0.000971481	0.000272994	9.55E-05	0.602993298	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	15	Electricity	60.68909579	0	60.68909579	0	0	0	0	0	0	0	0	0	0	0	2.06E-06	7.20E-07	0	84.237141
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	45	Diesel	37100.52335	37100.52335	0	0.01096629	0.000157936	0.000165077	39.79078771	1.11E-05	0.006269055	0.000238129	0.000271091	0.001581032	0.000376795	0.008949764	0.001700686	0.00059524	3.554495304	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	45	Electricity	559.0978899	0	559.0978899	0	0	0	0	0	0	0	0	0	0	0	1.28E-05	4.49E-06	0	579.7051335
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	60	Diesel	70847.75323	70847.75323	0	0.024754624	0.00055904	0.000584317	82.99115964	2.88E-05	0.013075291	0.000620234	0.000706089	0.002508838	0.000785877	0.017090613	0.003247657	0.00113668	7.413567416	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	60	Electricity	1067.66228	0	1067.66228	0	0	0	0	0	0	0	0	0	0	0	2.45E-05	8.56E-06	0	1137.328375
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	65	Diesel	45488.89858	45488.89858	0	0.019839221	0.000430644	0.000450116	57.08636157	2.13E-05	0.00899398	0.000459461	0.000523061	0.001684814	0.000540574	0.010973293	0.002085209	0.000729823	5.099502065	0
Los Angeles (SC)	2025	T6 CAIRP Class 4	Aggregate	65	Electricity	685.5091226	0	685.5091226	0	0	0	0	0	0	0	0	0	0	0	1.57E-05	5.50E-06	0	769.8723886
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	5	Diesel	255.7758762	255.7758762	0	0.000613796	1.79E-06	1.87E-06	0.663746881	9.50E-07	0.000104574	2.05E-05	2.33E-05	8.15E-05	6.29E-06	6.20E-05	1.73E-05	6.07E-06	0.059292246	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	5	Electricity	3.429052881	0	3.429052881	0	0	0	0	0	0	0	0	0	0	0	1.16E-07	4.07E-08	0	12.05419085
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	10	Diesel	1945.785571	1945.785571	0	0.003411739	1.08E-05	1.12E-05	4.1687263	3.95E-06	0.000656785	8.50E-05	9.68E-05	0.000408568	3.95E-05	0.000471319	0.0001319	4.62E-05	0.372390669	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	10	Electricity	26.08612555	0	26.08612555	0	0	0	0	0	0	0	0	0	0	0	8.84E-07	3.09E-07	0	43.43658531
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	15	Diesel	5533.657466	5533.657466	0	0.006534189	2.09E-05	2.19E-05	9.310935714	5.06E-06	0.001466942	0.000108979	0.000124065	0.000686431	8.82E-05	0.001340392	0.000375113	0.00013129	0.831742199	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	15	Electricity	74.18684028	0	74.18684028	0	0	0	0	0	0	0	0	0	0	0	2.51E-06	8.80E-07	0	102.9721607
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	45	Diesel	50978.78247	50978.78247	0	0.013155248	0.000157935	0.000165076	54.66578705	1.03E-05	0.008612617	0.000220845	0.000251415	0.001808935	0.000517652	0.012348356	0.002336865	0.000817903	4.883273102	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	45	Electricity	683.445771	0	683.445771	0	0	0	0	0	0	0	0	0	0	0	1.57E-05	5.48E-06	0	708.6362318
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	60	Diesel	97349.899	97349.899	0	0.03099476	0.000646055	0.000675267	114.0473018	2.87E-05	0.017968199	0.000618943	0.00070462	0.002900103	0.00107996	0.023580618	0.004462514	0.00156188	10.18780029	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	60	Electricity	1305.118984	0	1305.118984	0	0	0	0	0	0	0	0	0	0	0	2.99E-05	1.05E-05	0	1390.27938
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	65	Diesel	62505.01223	62505.01223	0	0.025894943	0.000517661	0.000541067	78.50505296	2.26E-05	0.012368503	0.000485548	0.000552759	0.001981213	0.000743396	0.015140301	0.002865226	0.001002829	7.012825283	0
Los Angeles (SC)	2025	T6 CAIRP Class 5	Aggregate	65	Electricity	837.9718817	0	837.9718817	0	0	0	0	0	0	0	0	0	0	0	1.92E-05	6.72E-06	0	941.0982186
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	5	Diesel	663.8690597	663.8690597	0	0.001445718	8.29E-06	8.66E-06	1.680474007	2.96E-06	0.000264759	6.38E-05	7.27E-05	0.000195303	1.59E-05	0.000160421	4.50E-05	1.58E-05	0.150116077	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	5	Electricity	13.44083589	0	13.44083589	0	0	0	0	0	0	0	0	0	0	0	4.56E-07	1.59E-07	0	47.24873211
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	10	Diesel	5050.307545	5050.307545	0	0.007964837	5.04E-05	5.27E-05	10.55481718	1.34E-05	0.001662916	0.000287577	0.000327384	0.001013931	9.99E-05	0.001220383	0.000342348	0.000119822	0.942857638	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	10	Electricity	102.2496137	0	102.2496137	0	0	0	0	0	0	0	0	0	0	0	3.47E-06	1.21E-06	0	170.258096
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	15	Diesel	14362.66795	14362.66795	0	0.014960099	9.40E-05	9.83E-05	23.57134495	1.76E-05	0.003713675	0.000378889	0.000431336	0.00176875	0.000223207	0.003470671	0.000973611	0.000340764	2.105618907	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	15	Electricity	290.789667	0	290.789667	0	0	0	0	0	0	0	0	0	0	0	9.86E-06	3.45E-06	0	403.6192971
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	45	Diesel	132315.9826	132315.9826	0	0.031703531	0.000454972	0.000475543	139.520402	3.05E-05	0.021981496	0.000656926	0.00074786	0.004899501	0.001321175	0.031973536	0.006065357	0.002122875	12.46330224	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	45	Electricity	2678.897867	0	2678.897867	0	0	0	0	0	0	0	0	0	0	0	6.14E-05	2.15E-05	0	2777.636749

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	60	Diesel	252672.7183	252672.7183	0	0.071616663	0.001715607	0.001793179	291.1615795	8.29E-05	0.045872625	0.001785446	0.002032595	0.007808565	0.002757126	0.061057175	0.011582504	0.004053876	26.00934856	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	60	Electricity	5115.666246	0	5115.666246	0	0	0	0	0	0	0	0	0	0	0	0.000117251	4.10E-05	0	5449.468889
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	65	Diesel	162232.4369	162232.4369	0	0.058352913	0.001341002	0.001401636	200.230789	6.26E-05	0.031546442	0.001348585	0.001535261	0.005230886	0.001896066	0.039202706	0.007436726	0.002602854	17.88653707	0
Los Angeles (SC)	2025	T6 CAIRP Class 6	Aggregate	65	Electricity	3284.59284	0	3284.59284	0	0	0	0	0	0	0	0	0	0	0	7.53E-05	2.63E-05	0	3688.816461
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	5	Diesel	4204.208736	4204.208736	0	0.01043263	1.90E-05	1.99E-05	10.13432841	1.39E-05	0.001596668	0.000298917	0.000340294	0.001363531	9.60E-05	0.001019556	0.000284993	9.97E-05	0.905295542	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	5	Electricity	40.71925841	0	40.71925841	0	0	0	0	0	0	0	0	0	0	0	1.38E-06	4.83E-07	0	143.140899
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	5	Natural Gas	3.502019294	3.502019294	0	3.62E-06	1.16E-08	1.26E-08	0.009689794	1.50E-05	1.98E-06	2.14E-07	1.53E-05	2.79E-05	0	4.09E-06	2.37E-07	8.31E-08	0.001119992	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	10	Diesel	31983.0346	31983.0346	0	0.057986058	0.000113101	0.000118215	63.63736342	5.39E-05	0.010026093	0.001161433	0.001322204	0.006743709	0.000602608	0.007756155	0.002168053	0.000758818	5.684700465	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	10	Electricity	309.7670768	0	309.7670768	0	0	0	0	0	0	0	0	0	0	0	1.05E-05	3.67E-06	0	515.8000191
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	10	Natural Gas	26.64120914	26.64120914	0	1.80E-05	7.99E-08	8.69E-08	0.058944434	7.52E-05	1.20E-05	1.07E-06	7.67E-05	0.000196928	0	3.11E-05	1.81E-06	6.32E-07	0.006813078	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	15	Diesel	90957.17473	90957.17473	0	0.111424239	0.000233812	0.000244383	142.1174108	6.67E-05	0.022390656	0.001435882	0.001634642	0.011164981	0.001345767	0.022057881	0.006165767	0.002158018	12.69529201	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	15	Electricity	880.9526201	0	880.9526201	0	0	0	0	0	0	0	0	0	0	0	2.99E-05	1.05E-05	0	1222.77205
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	15	Natural Gas	75.76545332	75.76545332	0	3.01E-05	1.85E-07	2.01E-07	0.12648145	0.000126669	2.58E-05	1.81E-06	0.000129275	0.000479175	0	8.85E-05	5.14E-06	1.80E-06	0.014619327	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	45	Diesel	837942.3651	837942.3651	0	0.212654628	0.002490963	0.002603593	827.0828194	0.000149868	0.130307235	0.003226621	0.003673263	0.029492002	0.00783198	0.203208078	0.038411232	0.013443931	73.88298062	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	45	Electricity	8115.770133	0	8115.770133	0	0	0	0	0	0	0	0	0	0	0	0.000186013	6.51E-05	0	8414.901386
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	45	Natural Gas	697.988733	697.988733	0	8.02E-05	4.21E-07	4.58E-07	0.593424651	0.000336472	0.000120973	4.81E-06	0.000343394	0.00154045	0	0.000815565	3.20E-05	1.12E-05	0.068590839	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	60	Diesel	1600148.153	1600148.153	0	0.510330294	0.010541476	0.011018115	1722.834543	0.000430599	0.271433284	0.009270669	0.010553951	0.047496578	0.016314213	0.388049399	0.073350704	0.025672747	153.9001273	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	60	Electricity	15498.00455	0	15498.00455	0	0	0	0	0	0	0	0	0	0	0	0.000355214	0.000124325	0	16509.26577
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	60	Natural Gas	1332.890457	1332.890457	0	0.000124515	7.63E-07	8.30E-07	1.008596512	0.000519178	0.000205609	7.42E-06	0.000529859	0.00227358	0	0.001557415	6.11E-05	2.14E-05	0.116578374	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	65	Diesel	1027399.935	1027399.935	0	0.433409124	0.008536818	0.008922815	1186.210928	0.000345808	0.186888015	0.007445157	0.008475745	0.032600581	0.011232708	0.249153134	0.047095957	0.016483585	105.9637523	0
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	65	Electricity	9950.734146	0	9950.734146	0	0	0	0	0	0	0	0	0	0	0	0.000228071	7.98E-05	0	11175.337
Los Angeles (SC)	2025	T6 CAIRP Class 7	Aggregate	65	Natural Gas	855.8029867	855.8029867	0	7.98E-05	4.90E-07	5.33E-07	0.647585031	0.000333346	0.000132014	4.76E-06	0.000340204	0.001459787	0	0.000999963	3.92E-05	1.37E-05	0.074850953	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	5	Diesel	26991.31335	26991.31335	0	0.13355016	0.003423419	0.00357821	71.12632517	0.000718169	0.011205981	0.015461981	0.017602288	0.024637082	0.000673524	0.006192162	0.001829676	0.000640387	6.353686452	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	5	Electricity	275.7961852	0	275.7961852	0	0	0	0	0	0	0	0	0	0	0	9.35E-06	3.27E-06	0	969.509648
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	5	Natural Gas	116.4660224	116.4660224	0	9.12E-05	4.50E-07	4.89E-07	0.327586324	0.000490894	6.68E-05	7.01E-06	0.000500994	0.000988418	0	0.000136085	7.89E-06	2.76E-06	0.037863983	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	10	Diesel	208762.1868	208762.1868	0	0.794790402	0.021375519	0.022342025	456.8284812	0.004068427	0.071973513	0.087592114	0.099716954	0.148146997	0.004325893	0.04789279	0.014151484	0.004953019	40.80830726	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	10	Electricity	2133.123868	0	2133.123868	0	0	0	0	0	0	0	0	0	0	0	7.23E-05	2.53E-05	0	3551.911789
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	10	Natural Gas	900.7972752	900.7972752	0	0.000466871	3.16E-06	3.43E-06	2.028185363	0.002532936	0.000413459	3.62E-05	0.002585047	0.007081821	0	0.001052536	6.11E-05	2.14E-05	0.234427294	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	15	Diesel	582280.0213	582280.0213	0	1.499684666	0.037227906	0.038911186	1003.62507	0.00573155	0.158121538	0.123398689	0.140480014	0.283630616	0.009503729	0.133582692	0.039471355	0.013814974	89.65342992	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	15	Electricity	5949.714508	0	5949.714508	0	0	0	0	0	0	0	0	0	0	0	0.000201658	7.06E-05	0	8258.270014
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	15	Natural Gas	2512.506047	2512.506047	0	0.000779859	7.16E-06	7.78E-06	4.27400758	0.004252397	0.000871284	6.08E-05	0.004339883	0.016825484	0	0.002935737	0.000170317	5.96E-05	0.494010089	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	45	Diesel	3911379.049	3911379.049	0	4.415651534	0.063328384	0.066191813	4182.986635	0.00530879	0.659031248	0.114296798	0.130118204	0.519869591	0.039610382	0.897321778	0.179297403	0.062754091	373.6645391	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	45	Electricity	39966.31831	0	39966.31831	0	0	0	0	0	0	0	0	0	0	0	0.000916027	0.000320609	0	41439.39784
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	45	Natural Gas	16877.384	16877.384	0	0.001613803	1.19E-05	1.29E-05	14.66848754	0.008551117	0.002990267	0.000122179	0.008727042	0.035225543	0	0.019720374	0.000773658	0.00027078	1.695453436	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	60	Diesel	4296748.504	4296748.504	0	5.418595927	0.10472064	0.109455642	4980.316337	0.00732405	0.784650867	0.157684785	0.179512124	0.471096195	0.047160618	0.985730597	0.196962718	0.068936951	444.8896855	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	60	Electricity	43904.00834	0	43904.00834	0	0	0	0	0	0	0	0	0	0	0	0.001006279	0.000352198	0	46768.7914
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	60	Natural Gas	18540.23185	18540.23185	0	0.001457445	1.24E-05	1.35E-05	14.34964386	0.007638097	0.002925269	0.000109133	0.007795239	0.027023105	0	0.021663328	0.000849883	0.000297459	1.65859997	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	65	Diesel	3339695.522	3339695.522	0	4.654171319	0.087168294	0.091109657	4144.312206	0.005907641	0.652938076	0.127189886	0.144796003	0.376196118	0.039244158	0.76617006	0.153091461	0.053582011	370.2097677	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	65	Electricity	34124.87836	0	34124.87836	0	0	0	0	0	0	0	0	0	0	0	0.000782141	0.000273749	0	38324.51057
Los Angeles (SC)	2025	T6 Instate Delivery Class 4	Aggregate	65	Natural Gas	14410.60123	14410.60123	0	0.001133116	9.63E-06	1.05E-05	11.15342015	0.005936796	0.002273698	8.48E-05	0.006058936	0.021004008	0	0.016838062	0.000660581	0.000231203	1.289165258	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	5	Diesel	28063.09585	28063.09585	0	0.090518552	0.001046168	0.001093471	74.16958046	0.00025869	0.011685448	0.005569517	0.006340471	0.013901808	0.000702342	0.006714461	0.001902329	0.000665815	6.625539242	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	5	Electricity	244.2882232	0	244.2882232	0	0	0	0	0	0	0	0	0	0	0	8.28E-06	2.90E-06	0	858.7493299
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	5	Natural Gas	95.09920244	95.09920244	0	7.44E-05	3.67E-07	4.00E-07	0.265326174	0.000400823	5.41E-05	5.73E-06	0.000409069	0.000807172	0	0.000111119	6.45E-06	2.26E-06	0.030667659	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	10	Diesel	217051.8041	217051.8041	0	0.526153027	0.006536888	0.006832458	474.3277286	0.001348834	0.074730527	0.029040032	0.033059865	0.076021678	0.0044916	0.051932471	0.014713417	0.005149696	42.3715081	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	10	Electricity	1889.428018	0	1889.428018	0	0	0	0	0	0	0	0	0	0	0	6.40E-05	2.24E-05	0	3146.128432
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	10	Natural Gas	735.5372895	735.5372895	0	0.000381012	2.58E-06	2.80E-06	1.642688184	0.00206823	0.000334873	2.96E-05	0.002110781	0.005783214	0	0.000859438	4.99E-05	1.75E-05	0.1898697	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	15	Diesel	605401.443	605401.443	0	1.003229433	0.01163271	0.01215869	1039.937731	0.001862124	0.163842613	0.040091011	0.045640564	0.134407427	0.009847588	0.14485018	0.0410387	0.014363545	92.89722552	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	15	Electricity	5269.997423	0	5269.997423	0	0	0	0	0	0	0	0	0	0	0	0.00017862	6.25E-05	0	7314.815129
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	15	Natural Gas	2051.562475	2051.562475	0	0.000636468	5.85E-06	6.36E-06	3.461578369	0.00347233	0.000705665	4.96E-05	0.003543767	0.01374006	0	0.002397147	0.00013907	4.87E-05	0.400105663	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	45	Diesel	4066693.745	4066693.745	0	2.064711508	0.027699844	0.028952308	4389.240945	0.002043582	0.691526698	0.043997767	0.050088109	0.245691809	0.041563487	0.973009446	0.18641702	0.065245957	392.0891549	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	45	Electricity	35400.42034	0	35400.42034	0	0	0	0	0	0	0	0	0	0	0	0.000811377	0.000283982	0	36705.20989
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	45	Natural Gas	13781.06442	13781.06442	0	0.001317263	9.72E-06	1.06E-05	11.87965024	0.006982942	0.002421744	9.98E-05	0.007126604	0.028760103	0	0.01610248	0.000631723	0.000221103	1.37310638	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	60	Diesel	4467365.613	4467365.613	0	2.680659076	0.052029331	0.054381867	5255.651516	0.002947608	0.828030037	0.063461182	0.072245725	0.22383455	0.049767877	1.068875409	0.204783797	0.071674329	469.485268	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	60	Electricity	38888.2543	0	38888.2543	0	0	0	0	0	0	0	0	0	0	0	0.000891318	0.000311961	0	41425.7541
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	60	Natural Gas	15138.84673	15138.84673	0	0.00118967	1.01E-05	1.10E-05	11.62133177	0.006237426	0.002369085	8.91E-05	0.006365751	0.022058691	0	0.01768898	0.000693964	0.000242887	1.343248704	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	65	Diesel	3472309.566	3472309.566	0	2.505302993	0.046613827	0.048721498	4381.714653	0.002532553	0.690340928	0.054525182	0.06207277	0.183214167	0.041492218	0.83079529	0.159170482	0.055709669	391.4168342	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	65	Electricity	30226.3278	0	30226.3278	0	0	0	0	0	0	0	0	0	0	0	0.000692787	0.000242475	0	33946.17871
Los Angeles (SC)	2025	T6 Instate Delivery Class 5	Aggregate	65	Natural Gas	11766.83685	11766.83685	0	0.00092493	7.87E-06	8.55E-06	9.032809257	0.004848109	0.001841397	6.93E-05	0.004947851	0.017145363	0	0.013748956	0.000539391	0.000188787	1.044054982	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	5	Diesel	85816.62534	85816.62534	0	0.301468983	0.004068368	0.004252322	226.7031339	0.000968236	0.035717171	0.020845859	0.023731424	0.048103711	0.002146743	0.020434548	0.005817302	0.002036056	20.25130115	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	5	Electricity	754.3694101	0	754.3694101	0	0	0	0	0	0	0	0	0	0	0	2.56E-05	8.95E-06	0	2651.843863
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	5	Natural Gas	309.4458616	309.4458616	0	0.000258559	1.16E-06	1.26E-06	0.866370467	0.001308871	0.000176615	1.87E-05	0.001335799	0.002592371	0	0.000361572	2.10E-05	7.34E-06	0.100139212	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	10	Diesel	663741.9282	663741.9282	0	1.767419455	0.025464515	0.026615908	1450.631955	0.005179558	0.228547655	0.111514469	0.126950734	0.267045317	0.013736617	0.158049401	0.04499346	0.015747711	129.5843779	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	10	Electricity	5834.610775	0	5834.610775	0	0	0	0	0	0	0	0	0	0	0	0.000197757	6.92E-05	0	9715.339605
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	10	Natural Gas	2393.384639	2393.384639	0	0.001319257	8.13E-06	8.84E-06	5.362639609	0.006735265	0.001093209	9.62E-05	0.006873832	0.018579935	0	0.002796549	0.000162242	5.68E-05	0.619839348	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	15	Diesel	1851310.671	1851310.671	0	3.387277488	0.04522917	0.047274233	3181.441942	0.007223946	0.501237474	0.155529566	0.177058572	0.478889594	0.030126353	0.440831789	0.125495874	0.043923556	284.1969484	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	15	Electricity	16273.91119	0	16273.91119	0	0	0	0	0	0	0	0	0	0	0	0.000551585	0.000193055	0	22588.37001
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	15	Natural Gas	6675.634512	6675.634512	0	0.002192779	1.84E-05	2.01E-05	11.29722395	0.011269528	0.002303013	0.000161019	0.01150138	0.044182744	0	0.007800143	0.000452525	0.000158384	1.305786783	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	45	Diesel	12435902.84	12435902.84	0	7.49633932	0.100913502	0.105476363	13343.32141	0.007686841	2.102245723	0.165495589	0.18840413	0.866611863	0.126353275	2.961221683	0.57006111	0.199521389	1191.953616	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	45	Electricity	109317.567	0	109317.567	0	0	0	0	0	0	0	0	0	0	0	0.002505556	0.000876944	0	113346.7966
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	45	Natural Gas	44842.57748	44842.57748	0	0.004467115	3.07E-05	3.33E-05	38.74363224	0.022488282	0.007898143	0.000321313	0.022950942	0.09472167	0	0.052396294	0.002055581	0.000719453	4.47817297	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	60	Diesel	13661152.82	13661152.82	0	9.680822109	0.182193896	0.190431895	15963.30011	0.010890046	2.515024432	0.234459708	0.266914531	0.787422031	0.151162906	3.252976681	0.626226503	0.219179276	1425.995275	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	60	Electricity	120088.1036	0	120088.1036	0	0	0	0	0	0	0	0	0	0	0	0.002752416	0.000963346	0	127923.9796
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	60	Natural Gas	49260.70198	49260.70198	0	0.004021324	3.19E-05	3.47E-05	37.89664242	0.02006174	0.007725478	0.000286643	0.020474477	0.07436754	0	0.05755865	0.002258108	0.000790338	4.380273864	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	65	Diesel	10618282.84	10618282.84	0	8.915374837	0.160784926	0.168054907	13312.90116	0.009203535	2.097453	0.198149594	0.225578229	0.643399329	0.126065213	2.528412274	0.486741508	0.170359528	1189.236187	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	65	Electricity	93339.81302	0	93339.81302	0	0	0	0	0	0	0	0	0	0	0	0.002139346	0.000748771	0	104826.825
Los Angeles (SC)	2025	T6 Instate Delivery Class 6	Aggregate	65	Natural Gas	38288.42803	38288.42803	0	0.003126448	2.48E-05	2.70E-05	29.45558644	0.01559321	0.006004714	0.000222796	0.015914015	0.057802997	0	0.044738101	0.001755139	0.000614299	3.404616537	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	5	Diesel	34483.57545	34483.57545	0	0.132122877	0.000204552	0.000213801	92.38374074	0.000150404	0.014555096	0.003238151	0.003686388	0.018870117	0.000874819	0.008361607	0.002337558	0.000818145	8.252602964	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	5	Electricity	112.2818182	0	112.2818182	0	0	0	0	0	0	0	0	0	0	0	3.81E-06	1.33E-06	0	394.7056264
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	5	Natural Gas	1009.320369	1009.320369	0	0.001171868	2.96E-06	3.22E-06	2.921526552	0.004383579	0.000595572	6.26E-05	0.004473764	0.007673452	0	0.00117934	6.84E-05	2.39E-05	0.33768391	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	10	Diesel	266710.4978	266710.4978	0	0.780764241	0.001285692	0.001343825	590.3787859	0.000645549	0.093014418	0.013898502	0.015822386	0.092993631	0.005590534	0.064672187	0.01807966	0.006327881	52.73830308	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	10	Electricity	868.4348777	0	868.4348777	0	0	0	0	0	0	0	0	0	0	0	2.94E-05	1.03E-05	0	1446.050146
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	10	Natural Gas	7806.50888	7806.50888	0	0.005938736	2.08E-05	2.26E-05	18.05701701	0.022126632	0.003681041	0.000316146	0.022581851	0.055148805	0	0.009121513	0.000529184	0.000185215	2.087115761	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	15	Diesel	743909.5974	743909.5974	0	1.558196189	0.00267417	0.002795084	1294.520894	0.000873795	0.203952294	0.018812568	0.021416677	0.147210389	0.012258339	0.180383828	0.050427833	0.017649741	115.6390387	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	15	Electricity	2422.240765	0	2422.240765	0	0	0	0	0	0	0	0	0	0	0	8.21E-05	2.87E-05	0	3362.097165
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	15	Natural Gas	21773.93439	21773.93439	0	0.009769819	4.72E-05	5.13E-05	37.9694063	0.036128009	0.007740312	0.000516198	0.036871283	0.13211822	0	0.025441746	0.001476002	0.000516601	4.38868426	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	45	Diesel	4997101.579	4997101.579	0	2.606465064	0.023239358	0.024290139	5304.287915	0.001480354	0.835692721	0.031871619	0.036283412	0.231965242	0.050228435	1.211701412	0.229066865	0.080173403	473.8299382	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	45	Electricity	16271.04045	0	16271.04045	0	0	0	0	0	0	0	0	0	0	0	0.000372932	0.000130526	0	16870.75886
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	45	Natural Gas	146263.1512	146263.1512	0	0.019245498	7.84E-05	8.52E-05	129.6375603	0.067984581	0.026427465	0.000971366	0.069383252	0.338414896	0	0.170901128	0.006704695	0.002346643	14.98412474	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	60	Diesel	5489442.077	5489442.077	0	3.750354539	0.054239556	0.056692028	6349.628043	0.002242888	1.000386484	0.048288768	0.054973086	0.216230699	0.060127181	1.331084552	0.251635726	0.088072504	567.2097578	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	60	Electricity	17874.14818	0	17874.14818	0	0	0	0	0	0	0	0	0	0	0	0.000409675	0.000143386	0	19040.45529
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	60	Natural Gas	160673.7593	160673.7593	0	0.017201963	8.16E-05	8.88E-05	126.7060723	0.060042267	0.025829862	0.000857886	0.061277538	0.306981242	0	0.187739199	0.007365276	0.002577847	14.64528944	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	65	Diesel	4266729.856	4266729.856	0	3.772663824	0.052563117	0.054939788	5315.107469	0.002148883	0.837397346	0.046264867	0.05266903	0.189356999	0.050330889	1.03460026	0.195586665	0.068455333	474.7964447	0
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	65	Electricity	13892.8803	0	13892.8803	0	0	0	0	0	0	0	0	0	0	0	0.000318424	0.000111449	0	15602.62962
Los Angeles (SC)	2025	T6 Instate Delivery Class 7	Aggregate	65	Natural Gas	124885.4649	124885.4649	0	0.013373966	6.35E-05	6.90E-05	98.48370272	0.046668519	0.020076547	0.000666801	0.047628647	0.238604581	0	0.145922378	0.005724743	0.00200366	11.38321396	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	5	Diesel	36734.3236	36734.3236	0	0.16740916	0.003921297	0.004098601	97.84577705	0.000804926	0.015415642	0.017329841	0.019728704	0.029971016	0.000926541	0.008531012	0.002490131	0.000871546	8.740524505	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	5	Electricity	388.3072396	0	388.3072396	0	0	0	0	0	0	0	0	0	0	0	1.32E-05	4.61E-06	0	1365.021111
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	5	Natural Gas	141.6154486	141.6154486	0	0.000126998	5.11E-07	5.56E-07	0.405405123	0.000601418	8.26E-05	8.59E-06	0.000613791	0.001168495	0	0.000165471	9.60E-06	3.36E-06	0.046858649	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	10	Diesel	294567.5413	294567.5413	0	1.035505063	0.025547777	0.026702934	650.7809668	0.004694077	0.102530806	0.101062187	0.115051607	0.183517636	0.006162507	0.068409021	0.019968021	0.006988807	58.13400597	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	10	Electricity	3113.782905	0	3113.782905	0	0	0	0	0	0	0	0	0	0	0	0.000105538	3.69E-05	0	5184.828867
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	10	Natural Gas	1135.595008	1135.595008	0	0.000669679	3.72E-06	4.05E-06	2.601116496	0.00319863	0.000530255	4.57E-05	0.003264436	0.008686173	0	0.001326886	7.70E-05	2.69E-05	0.300649395	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	15	Diesel	805145.4231	805145.4231	0	1.939987951	0.044368363	0.046374503	1400.345621	0.006532407	0.220625023	0.140640923	0.160108985	0.34088935	0.013260436	0.186983298	0.054578861	0.019102601	125.0923196	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	15	Electricity	8510.9447	0	8510.9447	0	0	0	0	0	0	0	0	0	0	0	0.000288468	0.000100964	0	11813.28605
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	15	Natural Gas	3103.937112	3103.937112	0	0.001085192	8.27E-06	8.99E-06	5.368460273	0.005224394	0.001094396	7.46E-05	0.005331877	0.020263018	0	0.003626794	0.000210408	7.36E-05	0.620512128	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	45	Diesel	5727901.64	5727901.64	0	5.700626814	0.088325769	0.092319469	6174.540174	0.006966676	0.972801319	0.149990631	0.170752916	0.662105895	0.058469203	1.330221732	0.2625667	0.091898345	551.5692278	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	45	Electricity	60547.88701	0	60547.88701	0	0	0	0	0	0	0	0	0	0	0	0.001387756	0.000485715	0	62779.5625
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	45	Natural Gas	22081.78294	22081.78294	0	0.002303746	1.46E-05	1.58E-05	19.48642966	0.010942036	0.003972436	0.00015634	0.011167151	0.047285928	0	0.025801452	0.001012228	0.00035428	2.252334063	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	60	Diesel	6599398.045	6599398.045	0	7.420615094	0.146924522	0.153567797	7722.058542	0.009962945	1.216613468	0.214499464	0.244191312	0.622187545	0.073123277	1.532614079	0.302516048	0.105880617	689.8084306	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	60	Electricity	69760.20754	0	69760.20754	0	0	0	0	0	0	0	0	0	0	0	0.001598902	0.000559616	0	74312.135
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	60	Natural Gas	25441.51145	25441.51145	0	0.002168365	1.59E-05	1.73E-05	19.98872001	0.010222531	0.004074831	0.00014606	0.010432843	0.039940959	0	0.029727125	0.001166238	0.000408183	2.310391166	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	65	Diesel	5036487.231	5036487.231	0	6.36224836	0.121073222	0.126547616	6316.704084	0.007932894	0.995199301	0.170793032	0.194434866	0.490746087	0.05981541	1.169650806	0.230872301	0.080805305	564.2686736	0
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	65	Electricity	53239.1579	0	53239.1579	0	0	0	0	0	0	0	0	0	0	0	0.00122024	0.000427084	0	59791.11919
Los Angeles (SC)	2025	T6 Instate Other Class 4	Aggregate	65	Natural Gas	19416.29323	19416.29323	0	0.001654712	1.21E-05	1.32E-05	15.25486604	0.007801567	0.003109804	0.000111469	0.007962072	0.030481891	0	0.022686961	0.000890042	0.000311515	1.763229847	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	5	Diesel	85918.34849	85918.34849	0	0.257462263	0.00163397	0.001707851	228.8522539	0.000530027	0.036055766	0.011411336	0.012990937	0.037426368	0.002167094	0.020710729	0.005824197	0.002038469	20.44328119	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	5	Electricity	688.0450192	0	688.0450192	0	0	0	0	0	0	0	0	0	0	0	2.33E-05	8.16E-06	0	2418.692933
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	5	Natural Gas	271.6704052	271.6704052	0	0.000242171	9.84E-07	1.07E-06	0.763489831	0.001153329	0.000155642	1.65E-05	0.001177057	0.002244635	0	0.000317433	1.84E-05	6.45E-06	0.08824778	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	10	Diesel	688967.5428	688967.5428	0	1.544984696	0.010585744	0.011064385	1516.369378	0.002668517	0.238904613	0.057452439	0.065405228	0.203154737	0.014359111	0.166076514	0.046703444	0.016346205	135.4566759	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	10	Electricity	5517.339364	0	5517.339364	0	0	0	0	0	0	0	0	0	0	0	0.000187004	6.55E-05	0	9187.043952
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	10	Natural Gas	2178.488004	2178.488004	0	0.001277354	7.16E-06	7.79E-06	4.898549399	0.006135648	0.000998601	8.77E-05	0.006261879	0.016685237	0	0.002545454	0.000147674	5.17E-05	0.566197598	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	15	Diesel	1883164.253	1883164.253	0	2.908479566	0.018970291	0.019828043	3257.173329	0.003551032	0.513168984	0.076452741	0.087035625	0.33730796	0.030843484	0.453939171	0.127655151	0.044679303	290.9620032	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	15	Electricity	15080.6179	0	15080.6179	0	0	0	0	0	0	0	0	0	0	0	0.000511139	0.000178899	0	20932.06564
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	15	Natural Gas	5954.490566	5954.490566	0	0.002070786	1.59E-05	1.73E-05	10.10996039	0.010024942	0.002060982	0.000143237	0.010231189	0.038919481	0	0.006957522	0.000403641	0.000141274	1.168557224	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	45	Diesel	13397057.6	13397057.6	0	5.525091894	0.066943179	0.069970052	14553.58891	0.004766145	2.292923859	0.102613789	0.116817987	0.64365859	0.137813784	3.229378005	0.614120392	0.214942137	1300.066332	0

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	45	Electricity	107285.3345	0	107285.3345	0	0	0	0	0	0	0	0	0	0	0	0.002458977	0.000860642	0	111239.6599
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	45	Natural Gas	42360.964	42360.964	0	0.004402106	2.80E-05	3.05E-05	36.69550693	0.02101321	0.007480619	0.000300237	0.021445522	0.090602804	0	0.049496654	0.001941824	0.000679639	4.241440922	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	60	Diesel	15435410.96	15435410.96	0	7.776788186	0.144022258	0.150534306	18289.4406	0.007410107	2.881508815	0.159537568	0.181621377	0.618413098	0.173190066	3.720725709	0.707558399	0.24764544	1633.788484	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	60	Electricity	123608.7264	0	123608.7264	0	0	0	0	0	0	0	0	0	0	0	0.002833109	0.000991588	0	131674.3267
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	60	Natural Gas	48806.15635	48806.15635	0	0.004144621	3.06E-05	3.33E-05	37.64110018	0.019634096	0.007673385	0.000280532	0.020038035	0.0763614	0	0.057027537	0.002237272	0.000783045	4.350737079	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	65	Diesel	11779900.18	11779900.18	0	7.410752889	0.131661917	0.137615084	14979.99729	0.006525154	2.360104674	0.140484779	0.159931227	0.504923858	0.141851616	2.839560123	0.539989984	0.188996494	1338.157224	0
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	65	Electricity	94334.93295	0	94334.93295	0	0	0	0	0	0	0	0	0	0	0	0.002162154	0.000756754	0	105944.4109
Los Angeles (SC)	2025	T6 Instate Other Class 5	Aggregate	65	Natural Gas	37247.57646	37247.57646	0	0.003162822	2.34E-05	2.54E-05	28.72669888	0.014984227	0.005856125	0.000214095	0.015292502	0.058277015	0	0.043521918	0.001707427	0.000597599	3.320368251	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	5	Diesel	76098.73682	76098.73682	0	0.270187756	0.00388285	0.004058415	202.462075	0.000903088	0.031897982	0.019443247	0.022134657	0.043402478	0.001917195	0.018098079	0.005158549	0.001805492	18.08585696	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	5	Electricity	675.6968841	0	675.6968841	0	0	0	0	0	0	0	0	0	0	0	2.29E-05	8.02E-06	0	2375.285386
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	5	Natural Gas	254.8597572	254.8597572	0	0.000247623	8.78E-07	9.55E-07	0.721675378	0.001087724	0.000147118	1.55E-05	0.001110102	0.002063228	0	0.000297791	1.73E-05	6.05E-06	0.083414667	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	10	Diesel	610225.4133	610225.4133	0	1.642977781	0.025298534	0.026442421	1343.224266	0.005043911	0.21162553	0.108594017	0.123626022	0.251632256	0.012719531	0.145126036	0.041365705	0.014477997	119.9896916	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	10	Electricity	5418.321349	0	5418.321349	0	0	0	0	0	0	0	0	0	0	0	0.000183647	6.43E-05	0	9022.166863
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	10	Natural Gas	2043.685706	2043.685706	0	0.001301089	6.39E-06	6.95E-06	4.628711235	0.005762952	0.000943593	8.23E-05	0.005881515	0.015344947	0	0.002387944	0.000138537	4.85E-05	0.535008422	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	15	Diesel	1667937.331	1667937.331	0	3.083531506	0.044481043	0.046492279	2886.785639	0.006947519	0.454814253	0.149578172	0.170283363	0.446332129	0.027336134	0.396674946	0.113065438	0.039572903	257.8754176	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	15	Electricity	14809.97063	0	14809.97063	0	0	0	0	0	0	0	0	0	0	0	0.000501966	0.000175688	0	20556.40421
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	15	Natural Gas	5586.033631	5586.033631	0	0.002096938	1.42E-05	1.54E-05	9.549004332	0.009367661	0.001946627	0.000133845	0.009560385	0.0358446	0	0.006526999	0.000378664	0.000132532	1.10371926	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	45	Diesel	11865907.32	11865907.32	0	7.305591246	0.106960935	0.111797234	12837.48967	0.007979451	2.022551725	0.171795397	0.195575982	0.871763856	0.12156335	2.821993406	0.543932547	0.190376391	1146.767867	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	45	Electricity	105359.9171	0	105359.9171	0	0	0	0	0	0	0	0	0	0	0	0.002414846	0.000845196	0	109243.2755
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	45	Natural Gas	39739.71692	39739.71692	0	0.004372438	2.50E-05	2.72E-05	34.62429691	0.019399524	0.007058389	0.000277181	0.019798637	0.086523097	0	0.046433859	0.001821666	0.000637583	4.002040634	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	60	Diesel	13671297.19	13671297.19	0	9.844757487	0.193855503	0.202620789	16108.62528	0.011602216	2.537920472	0.249792536	0.284369787	0.828250603	0.152539049	3.251357816	0.62669152	0.219342032	1438.977115	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	60	Electricity	121390.3581	0	121390.3581	0	0	0	0	0	0	0	0	0	0	0	0.002782264	0.000973792	0	129311.2076
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	60	Natural Gas	45786.08828	45786.08828	0	0.004099708	2.73E-05	2.97E-05	35.51029937	0.018089478	0.007239007	0.000258463	0.018461639	0.075279462	0	0.053498739	0.002098832	0.000734591	4.104449004	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	65	Diesel	10433574.89	10433574.89	0	8.863683722	0.16663487	0.174169359	13188.49541	0.009569414	2.077852823	0.206026851	0.234545887	0.662211638	0.124887165	2.481350877	0.478274506	0.167396077	1178.123071	0
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	65	Electricity	92641.93255	0	92641.93255	0	0	0	0	0	0	0	0	0	0	0	0.002123351	0.000743173	0	104043.0587
Los Angeles (SC)	2025	T6 Instate Other Class 6	Aggregate	65	Natural Gas	34942.73984	34942.73984	0	0.003128548	2.08E-05	2.27E-05	27.10052767	0.013805414	0.00552462	0.000197252	0.014089438	0.057451308	0	0.040828832	0.001601773	0.000560621	3.132407662	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	5	Diesel	38161.79332	38161.79332	0	0.138542708	0.000254057	0.000265544	101.4544668	0.000174486	0.015984193	0.003756638	0.004276646	0.020044784	0.000960713	0.00925039	0.002586896	0.000905413	9.062887329	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	5	Electricity	346.2627245	0	346.2627245	0	0	0	0	0	0	0	0	0	0	0	1.17E-05	4.11E-06	0	1217.221521
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	5	Natural Gas	1101.644716	1101.644716	0	0.001121226	3.59E-06	3.90E-06	3.175683892	0.004739017	0.000647384	6.77E-05	0.004836514	0.008709017	0	0.001287216	7.47E-05	2.61E-05	0.367060622	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	10	Diesel	306014.2267	306014.2267	0	0.847054731	0.001660766	0.001735858	672.2720978	0.000789549	0.105916743	0.01699878	0.019351818	0.102985412	0.006366015	0.074177621	0.020743964	0.007260388	60.05380019	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	10	Electricity	2776.63366	0	2776.63366	0	0	0	0	0	0	0	0	0	0	0	9.41E-05	3.29E-05	0	4623.434194
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	10	Natural Gas	8833.939036	8833.939036	0	0.005926286	2.61E-05	2.84E-05	20.36214091	0.024982706	0.004150956	0.000356954	0.025496684	0.064822726	0	0.010322013	0.000598831	0.000209591	2.353552926	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	15	Diesel	836432.8024	836432.8024	0	1.651138083	0.003355073	0.003506775	1444.693167	0.001057371	0.227611997	0.022764903	0.025916109	0.160821193	0.01368038	0.20275069	0.056699757	0.019844915	129.0538683	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	15	Electricity	7589.410134	0	7589.410134	0	0	0	0	0	0	0	0	0	0	0	0.000257234	9.00E-05	0	10534.18581
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	15	Natural Gas	24145.9244	24145.9244	0	0.009637491	5.80E-05	6.31E-05	41.99088294	0.04035219	0.008560116	0.000576553	0.041182369	0.151739655	0	0.028213297	0.001636794	0.000572878	4.853505624	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	45	Diesel	5950483.829	5950483.829	0	2.948726114	0.028048341	0.029316562	6309.632236	0.001864827	0.994085128	0.040149224	0.045706835	0.273332733	0.059748444	1.442392859	0.272769855	0.095469449	563.6369482	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	45	Electricity	53991.97897	0	53991.97897	0	0	0	0	0	0	0	0	0	0	0	0.001237495	0.000433123	0	55982.01665
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	45	Natural Gas	171777.0182	171777.0182	0	0.020695611	0.000102129	0.000111075	152.1173459	0.082303837	0.031010116	0.001175959	0.083997102	0.385328632	0	0.200712798	0.007874249	0.002755987	17.5824451	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	60	Diesel	6855845.965	6855845.965	0	4.404973308	0.06736455	0.070410476	7920.311436	0.002916589	1.247848292	0.062793356	0.071485455	0.266463771	0.075000613	1.661851968	0.314271606	0.109995062	707.5182831	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	60	Electricity	62206.82247	0	62206.82247	0	0	0	0	0	0	0	0	0	0	0	0.001425779	0.000499023	0	66265.88356
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	60	Natural Gas	197912.7766	197912.7766	0	0.019526538	0.000111575	0.000121348	155.9851071	0.076546504	0.031798584	0.001093699	0.078121322	0.349321433	0	0.231251116	0.009072311	0.003175309	18.0294993	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	65	Diesel	5232201.548	5232201.548	0	4.332309952	0.063849302	0.066736284	6504.05268	0.002726921	1.024716148	0.058709861	0.066836708	0.227607668	0.06158949	1.268281767	0.239843834	0.083945342	581.0044494	0
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	65	Electricity	47474.61283	0	47474.61283	0	0	0	0	0	0	0	0	0	0	0	0.001088117	0.000380841	0	53317.15126
Los Angeles (SC)	2025	T6 Instate Other Class 7	Aggregate	65	Natural Gas	151041.8323	151041.8323	0	0.014900992	8.52E-05	9.26E-05	119.0437362	0.058418281	0.024267844	0.000834682	0.059620141	0.266592942	0	0.176484777	0.006923749	0.002423312	13.75964025	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	5	Diesel	1281.371976	1281.371976	0	0.003722984	2.39E-05	2.50E-05	3.398700168	7.44E-06	0.000535467	0.000160108	0.000182271	0.000529931	3.22E-05	0.000309038	8.69E-05	3.04E-05	0.30360454	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	5	Natural Gas	4.241115899	4.241115899	0	2.83E-06	1.75E-08	1.90E-08	0.01193042	1.77E-05	2.43E-06	2.53E-07	1.81E-05	3.70E-05	0	4.96E-06	2.87E-07	1.01E-07	0.001378975	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	10	Diesel	10275.14748	10275.14748	0	0.022251027	0.000155665	0.000162703	22.5145896	3.72E-05	0.003547183	0.000800762	0.000911607	0.002877663	0.0002132	0.002478132	0.000696527	0.000243785	2.01121937	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	10	Natural Gas	34.00893117	34.00893117	0	1.52E-05	1.27E-07	1.38E-07	0.076620197	9.55E-05	1.56E-05	1.36E-06	9.74E-05	0.00027477	0	3.97E-05	2.31E-06	8.07E-07	0.008856126	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	15	Diesel	28085.19883	28085.19883	0	0.041736778	0.000283929	0.000296767	48.35140804	4.96E-05	0.007617784	0.001068754	0.001216695	0.004794382	0.000457859	0.006773512	0.001903828	0.00066634	4.319212127	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	15	Natural Gas	92.95706905	92.95706905	0	2.52E-05	2.82E-07	3.07E-07	0.15832797	0.000158218	3.23E-05	2.26E-06	0.000161473	0.000638532	0	0.000108616	6.30E-06	2.21E-06	0.018300299	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	45	Diesel	199801.4915	199801.4915	0	0.076853117	0.001025833	0.001072217	216.6605344	6.91E-05	0.034134955	0.001488156	0.001694153	0.009400951	0.002051646	0.048187581	0.00915889	0.003205611	19.35419972	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	45	Natural Gas	661.3077998	661.3077998	0	5.75E-05	4.97E-07	5.41E-07	0.576358381	0.000342595	0.000117494	4.90E-06	0.000349643	0.001343538	0	0.000772705	3.03E-05	1.06E-05	0.066618238	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	60	Diesel	230201.1549	230201.1549	0	0.108074501	0.002120277	0.002216147	272.4170677	0.000105736	0.04291942	0.002276462	0.002591578	0.009007559	0.002579627	0.055519289	0.010552408	0.003693343	24.33490874	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	60	Natural Gas	761.9253394	761.9253394	0	5.49E-05	5.43E-07	5.91E-07	0.59150852	0.00032182	0.000120583	4.60E-06	0.000328441	0.001022938	0	0.000890271	3.49E-05	1.22E-05	0.068369363	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	65	Diesel	175683.4744	175683.4744	0	0.103557826	0.001931039	0.002018352	223.0907758	9.30E-05	0.035148043	0.002001937	0.002279052	0.007328078	0.002112536	0.042370863	0.008053321	0.002818662	19.92861063	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 6	Aggregate	65	Natural Gas	581.4814044	581.4814044	0	4.19E-05	4.14E-07	4.51E-07	0.451423764	0.000245605	9.20E-05	3.51E-06	0.000250658	0.00078068	0	0.000679432	2.67E-05	9.33E-06	0.052177702	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	5	Diesel	18551.39404	18551.39404	0	0.072590227	0.000116008	0.000121253	48.07333316	8.53E-05	0.007573973	0.001836465	0.002090676	0.010561129	0.000455226	0.004497188	0.001257554	0.000440144	4.294371808	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	5	Electricity	63.31002717	0	63.31002717	0	0	0	0	0	0	0	0	0	0	0	2.15E-06	7.51E-07	0	222.5545002
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	5	Natural Gas	542.0538522	542.0538522	0	0.000619564	1.62E-06	1.76E-06	1.566108551	0.002350259	0.000319261	3.36E-05	0.002398611	0.004146999	0	0.000633363	3.67E-05	1.29E-05	0.181018262	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	10	Diesel	148761.1039	148761.1039	0	0.446968127	0.000760244	0.000794619	318.6058358	0.000387023	0.050196479	0.008332505	0.009485922	0.053965144	0.003017007	0.036062339	0.010084156	0.003529454	28.4609331	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	10	Electricity	507.6744912	0	507.6744912	0	0	0	0	0	0	0	0	0	0	0	1.72E-05	6.02E-06	0	845.3400374
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	10	Natural Gas	4346.656065	4346.656065	0	0.003255956	1.18E-05	1.28E-05	10.0363398	0.012314071	0.002045974	0.000175944	0.012567412	0.030894503	0	0.005078849	0.000294649	0.000103127	1.160047807	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	15	Diesel	406610.7264	406610.7264	0	0.878920079	0.001550356	0.001620456	684.8212675	0.000522961	0.10789387	0.01125921	0.012817753	0.083655418	0.006484848	0.098569676	0.027563158	0.009647105	61.17481255	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	15	Electricity	1387.633516	0	1387.633516	0	0	0	0	0	0	0	0	0	0	0	4.70E-05	1.65E-05	0	1926.050778
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	15	Natural Gas	11880.77349	11880.77349	0	0.00524897	2.62E-05	2.85E-05	20.68299055	0.019733591	0.004216363	0.000281954	0.020139577	0.072492837	0	0.013882086	0.000805369	0.000281879	2.390638251	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	45	Diesel	2892677.745	2892677.745	0	1.59739334	0.014167073	0.014807645	2903.133104	0.000934039	0.457389803	0.020109612	0.022893263	0.13673581	0.027490934	0.701236559	0.132600191	0.046410067	259.3357302	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	45	Electricity	9871.792181	0	9871.792181	0	0	0	0	0	0	0	0	0	0	0	0.000226261	7.92E-05	0	10235.64694
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	45	Natural Gas	84521.25545	84521.25545	0	0.010954748	4.61E-05	5.01E-05	74.80518661	0.039478262	0.015249527	0.000564066	0.040290462	0.194449866	0	0.098758832	0.00387445	0.001356057	8.646338644	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	60	Diesel	3332796.729	3332796.729	0	2.408019631	0.034387078	0.03594191	3625.454006	0.001457477	0.571191755	0.031379074	0.035722687	0.133734484	0.034330881	0.807929233	0.152775221	0.053471327	323.8603702	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	60	Electricity	11373.77876	0	11373.77876	0	0	0	0	0	0	0	0	0	0	0	0.000260687	9.12E-05	0	12115.92988
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	60	Natural Gas	97381.10796	97381.10796	0	0.010273446	5.03E-05	5.47E-05	76.6856378	0.036592952	0.015632869	0.000522841	0.037345791	0.183550173	0	0.113784922	0.004463945	0.001562381	8.863690121	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	65	Diesel	2543502.916	2543502.916	0	2.367065854	0.032629406	0.034104763	2980.59752	0.001365746	0.469594353	0.029404144	0.03347438	0.115535158	0.028224476	0.616590367	0.116594035	0.040807912	266.2555958	0
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	65	Electricity	8680.169178	0	8680.169178	0	0	0	0	0	0	0	0	0	0	0	0.000198949	6.96E-05	0	9748.407946
Los Angeles (SC)	2025	T6 Instate Tractor Class 7	Aggregate	65	Natural Gas	74318.70354	74318.70354	0	0.00783982	3.84E-05	4.18E-05	58.52446435	0.02792678	0.011930595	0.000399019	0.028501327	0.14008067	0	0.086837663	0.003406765	0.001192368	6.764535465	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	5	Diesel	107.5599293	107.5599293	0	0.000283476	2.99E-06	3.12E-06	0.274888491	8.21E-07	4.33E-05	1.77E-05	2.01E-05	4.18E-05	2.60E-06	2.58E-05	7.29E-06	2.55E-06	0.02455568	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	10	Diesel	818.2497954	818.2497954	0	0.001589669	1.84E-05	1.92E-05	1.728084681	4.12E-06	0.00027226	8.88E-05	0.00010106	0.000226587	1.64E-05	0.000196414	5.55E-05	1.94E-05	0.15436912	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	15	Diesel	2327.036523	2327.036523	0	0.003016795	3.41E-05	3.56E-05	3.861246844	5.77E-06	0.000608341	0.000124206	0.000141399	0.000413416	3.66E-05	0.000558587	0.000157744	5.52E-05	0.344923651	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	45	Diesel	21437.80843	21437.80843	0	0.007985172	0.000122441	0.000127977	22.74181581	9.07E-06	0.003582982	0.000195276	0.000222307	0.001114001	0.000215351	0.005145977	0.000982708	0.000343948	2.031517398	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	60	Diesel	40937.98213	40937.98213	0	0.017585905	0.000394807	0.000412659	47.39599537	2.27E-05	0.007467258	0.00048783	0.000555358	0.001754566	0.000448812	0.00982684	0.001876595	0.000656808	4.233865492	0
Los Angeles (SC)	2025	T6 OOS Class 4	Aggregate	65	Diesel	26284.86624	26284.86624	0	0.013575438	0.000294748	0.000308076	32.59091285	1.62E-05	0.005134712	0.000348454	0.000396688	0.001169462	0.000308616	0.006309475	0.001204897	0.000421714	2.911333334	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	5	Diesel	147.5528811	147.5528811	0	0.00036252	1.39E-06	1.46E-06	0.379130525	6.19E-07	5.97E-05	1.33E-05	1.52E-05	4.88E-05	3.59E-06	3.57E-05	1.00E-05	3.50E-06	0.03386758	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	10	Diesel	1122.491578	1122.491578	0	0.002019913	8.44E-06	8.82E-06	2.381524565	2.69E-06	0.00037521	5.79E-05	6.59E-05	0.000247048	2.26E-05	0.000271597	7.61E-05	2.66E-05	0.212740646	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	15	Diesel	3192.275652	3192.275652	0	0.00386949	1.60E-05	1.67E-05	5.319653073	3.52E-06	0.000838114	7.58E-05	8.62E-05	0.000419533	5.04E-05	0.000772401	0.000216397	7.57E-05	0.475202502	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	45	Diesel	29408.81814	29408.81814	0	0.008175159	9.85E-05	0.00010297	31.21363379	6.66E-06	0.004917721	0.000143406	0.000163257	0.001097897	0.000295574	0.007115739	0.001348099	0.000471835	2.788301542	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	60	Diesel	56159.54986	56159.54986	0	0.019076515	0.00039164	0.000409348	65.10546767	1.84E-05	0.010257393	0.000395787	0.000450573	0.001755336	0.00061651	0.013588329	0.002574351	0.000901023	5.815845636	0
Los Angeles (SC)	2025	T6 OOS Class 5	Aggregate	65	Diesel	36058.10984	36058.10984	0	0.015731662	0.000310856	0.000324911	44.81386388	1.42E-05	0.007060443	0.000305072	0.000347301	0.001196436	0.00042436	0.008724597	0.001652902	0.000578516	4.003204708	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	5	Diesel	385.5598998	385.5598998	0	0.000899644	7.84E-06	8.19E-06	0.961554453	2.28E-06	0.000151493	4.91E-05	5.59E-05	0.000125906	9.11E-06	9.29E-05	2.61E-05	9.15E-06	0.085895278	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	10	Diesel	2933.102609	2933.102609	0	0.004986604	4.79E-05	5.01E-05	6.041806587	1.10E-05	0.000951889	0.000236678	0.000269439	0.00067243	5.72E-05	0.000706419	0.000198828	6.96E-05	0.539712189	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	15	Diesel	8341.507612	8341.507612	0	0.009363393	8.79E-05	9.18E-05	13.49546493	1.50E-05	0.002126216	0.000321922	0.000366484	0.001205968	0.000127794	0.002008998	0.000565451	0.000197908	1.205544536	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	45	Diesel	76846.0832	76846.0832	0	0.022456515	0.000332741	0.000347786	79.83851317	2.36E-05	0.01257859	0.000508737	0.000579158	0.003302566	0.000756023	0.018507882	0.00352262	0.001232917	7.131942755	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	60	Diesel	146746.5105	146746.5105	0	0.049664589	0.001163987	0.001216618	166.5267468	6.18E-05	0.026236357	0.001331036	0.001515284	0.005235746	0.001576909	0.035342948	0.006726852	0.002354398	14.87576833	0
Los Angeles (SC)	2025	T6 OOS Class 6	Aggregate	65	Diesel	94220.87264	94220.87264	0	0.039129723	0.000886345	0.000926421	114.4928431	4.51E-05	0.018038394	0.000971492	0.00110597	0.003487637	0.001084179	0.022692488	0.00431908	0.001511678	10.22760032	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	5	Diesel	2803.499911	2803.499911	0	0.007163192	1.28E-05	1.33E-05	6.711868569	9.25E-06	0.001057458	0.000199165	0.000226734	0.000928529	6.36E-05	0.000679872	0.000190042	6.65E-05	0.59956856	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	10	Diesel	21327.30325	21327.30325	0	0.039904695	7.60E-05	7.94E-05	42.14708939	3.60E-05	0.006640291	0.00077533	0.000882654	0.004584698	0.000399108	0.005172051	0.001445726	0.000506004	3.7649828	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	15	Diesel	60653.13291	60653.13291	0	0.076913277	0.000157314	0.000164427	94.12645557	4.46E-05	0.014829661	0.000961274	0.001094337	0.007575351	0.000891321	0.014708895	0.004111529	0.001439035	8.40827899	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	45	Diesel	558766.5821	558766.5821	0	0.147969558	0.001688696	0.001765051	546.9721328	0.000100546	0.086175682	0.002164717	0.002464366	0.019794796	0.005179499	0.1355056	0.02561383	0.00896484	48.86080395	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	60	Diesel	1067029.609	1067029.609	0	0.356530775	0.00713659	0.007459275	1139.46906	0.000288288	0.179523814	0.006206755	0.007065918	0.031903646	0.010790091	0.258763663	0.048912579	0.017119403	101.7883197	0
Los Angeles (SC)	2025	T6 OOS Class 7	Aggregate	65	Diesel	685102.9067	685102.9067	0	0.302574532	0.005776893	0.006038099	784.7266352	0.000231442	0.123634001	0.004982878	0.005672627	0.021961242	0.007430892	0.166143223	0.03140508	0.010991778	70.09931947	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	5	Diesel	3508.533883	3508.533883	0	0.032574065	0.000171764	0.000179531	9.20889536	5.10E-05	0.001450865	0.001098944	0.001251064	0.002244154	8.72E-05	0.000610034	0.000237835	8.32E-05	0.822626975	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	5	Electricity	40.29484073	0	40.29484073	0	0	0	0	0	0	0	0	0	0	0	1.37E-06	4.78E-07	0	141.6489384
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	5	Natural Gas	442.86776	442.86776	0	0.00031683	1.75E-06	1.90E-06	1.23971468	0.00186535	0.000252724	2.67E-05	0.001903727	0.003788521	0	0.000517469	3.00E-05	1.05E-05	0.143292109	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	10	Diesel	25740.13646	25740.13646	0	0.196529672	0.001056745	0.001104527	57.58860906	0.000274986	0.009073109	0.005920367	0.006739887	0.012383374	0.00054533	0.004475477	0.001744862	0.000610702	5.144367635	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	10	Electricity	295.6205451	0	295.6205451	0	0	0	0	0	0	0	0	0	0	0	1.00E-05	3.51E-06	0	492.244316
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	10	Natural Gas	3249.071252	3249.071252	0	0.00155951	1.16E-05	1.26E-05	7.281862425	0.009142241	0.001484455	0.000130625	0.009330327	0.025744862	0	0.003796376	0.000220247	7.71E-05	0.841672233	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	15	Diesel	74048.86995	74048.86995	0	0.401969822	0.002118973	0.002214783	132.5846349	0.000430088	0.020888763	0.009259675	0.010541435	0.022983243	0.001255497	0.01287499	0.005019594	0.001756858	11.84373291	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	15	Electricity	850.4371115	0	850.4371115	0	0	0	0	0	0	0	0	0	0	0	2.88E-05	1.01E-05	0	1180.416184
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	15	Natural Gas	9346.883416	9346.883416	0	0.002740271	2.72E-05	2.96E-05	15.83070082	0.015857223	0.003227192	0.000226568	0.016183459	0.063071172	0	0.010921363	0.000633603	0.000221761	1.829787565	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	45	Diesel	601548.3776	601548.3776	0	1.831375839	0.008447202	0.008829147	661.1177076	0.00062472	0.104159364	0.013450042	0.015311849	0.052540131	0.006260389	0.104592133	0.027574945	0.009651231	59.05738293	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	45	Electricity	6908.668086	0	6908.668086	0	0	0	0	0	0	0	0	0	0	0	0.000158346	5.54E-05	0	7163.307943
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	45	Natural Gas	75930.97043	75930.97043	0	0.007278637	5.47E-05	5.95E-05	65.74291968	0.038711875	0.013402124	0.000553116	0.039508308	0.158596732	0	0.088721516	0.003480672	0.001218235	7.598878805	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	60	Diesel	958510.0878	958510.0878	0	2.966738127	0.018879596	0.019733247	1095.776252	0.000943943	0.172639995	0.020322834	0.023135999	0.073167944	0.010376346	0.16665761	0.04393805	0.015378318	97.88525853	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	60	Electricity	11008.30507	0	11008.30507	0	0	0	0	0	0	0	0	0	0	0	0.00025231	8.83E-05	0	11726.60864
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	60	Natural Gas	120988.7747	120988.7747	0	0.009657274	8.26E-05	8.98E-05	93.29599496	0.050187621	0.019018999	0.000717082	0.051220148	0.175262793	0	0.141369292	0.005546119	0.001941142	10.78359407	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	65	Diesel	671361.9418	671361.9418	0	2.131527429	0.013985867	0.014618246	806.2039068	0.000694252	0.127017754	0.014947062	0.017016092	0.052694284	0.007634269	0.116730724	0.030775195	0.010771318	72.01787563	0
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	65	Electricity	7710.463521	0	7710.463521	0	0	0	0	0	0	0	0	0	0	0	0.000176724	6.19E-05	0	8659.363927
Los Angeles (SC)	2025	T6 Public Class 4	Aggregate	65	Natural Gas	84743.24867	84743.24867	0	0.006761255	5.79E-05	6.29E-05	65.34660525	0.035152534	0.013321333	0.00050226	0.03587574	0.122757987	0	0.09901822	0.003884626	0.001359619	7.553070902	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	5	Diesel	2382.945399	2382.945399	0	0.022493271	0.000110549	0.000115547	6.25487892	3.56E-05	0.000985459	0.000766937	0.000873099	0.001448633	5.92E-05	0.000397502	0.000161534	5.65E-05	0.558745856	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	5	Electricity	26.56615243	0	26.56615243	0	0	0	0	0	0	0	0	0	0	0	9.00E-07	3.15E-07	0	93.38831524
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	5	Natural Gas	387.8759321	387.8759321	0	0.000293351	1.47E-06	1.60E-06	1.091038691	0.001644481	0.000222415	2.35E-05	0.001678313	0.003256707	0	0.000453213	2.63E-05	9.20E-06	0.126107432	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	10	Diesel	17482.32789	17482.32789	0	0.135763874	0.000681375	0.000712184	39.20764259	0.000192152	0.00617718	0.004136978	0.004709635	0.008155997	0.000371273	0.002916247	0.001185085	0.00041478	3.502403181	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	10	Electricity	194.9008935	0	194.9008935	0	0	0	0	0	0	0	0	0	0	0	6.61E-06	2.31E-06	0	324.5337938
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	10	Natural Gas	2845.627192	2845.627192	0	0.001450471	9.78E-06	1.06E-05	6.406676924	0.008025685	0.001306043	0.000114671	0.0081908	0.022143813	0	0.003324972	0.000192898	6.75E-05	0.740514138	0

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	15	Diesel	50292.92002	50292.92002	0	0.276761368	0.001375675	0.001437877	90.39681404	0.000301032	0.014242055	0.006481141	0.007378286	0.015302947	0.000856004	0.008389419	0.003409235	0.001193232	8.07511159	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	15	Electricity	560.6882054	0	560.6882054	0	0	0	0	0	0	0	0	0	0	0	1.90E-05	6.65E-06	0	778.2414749
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	15	Natural Gas	8186.261103	8186.261103	0	0.002565206	2.29E-05	2.49E-05	13.92289131	0.01384789	0.002838272	0.000197859	0.014132788	0.054334489	0	0.009565234	0.000554927	0.000194224	1.609273884	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	45	Diesel	408562.9458	408562.9458	0	1.285793313	0.0056508	0.005906304	458.2127731	0.000431033	0.072191609	0.00928002	0.010564596	0.035861022	0.004339001	0.068152849	0.018728503	0.006554976	40.93196551	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	45	Electricity	4554.844396	0	4554.844396	0	0	0	0	0	0	0	0	0	0	0	0.000104397	3.65E-05	0	4722.726961
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	45	Natural Gas	66502.46099	66502.46099	0	0.006940455	4.60E-05	5.00E-05	57.76884173	0.033404951	0.011776556	0.000477291	0.034092203	0.142473893	0	0.077704778	0.003048469	0.001066964	6.677197014	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	60	Diesel	651006.1695	651006.1695	0	2.059364998	0.012624838	0.013195677	757.3666178	0.000635467	0.119323419	0.013681437	0.015575274	0.05002466	0.007171809	0.108595078	0.029842087	0.010444731	67.65525996	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	60	Electricity	7257.711041	0	7257.711041	0	0	0	0	0	0	0	0	0	0	0	0.000166347	5.82E-05	0	7731.284377
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	60	Natural Gas	105965.3423	105965.3423	0	0.009240524	6.95E-05	7.55E-05	81.9674532	0.043222499	0.016709602	0.000617564	0.04411173	0.163988441	0	0.123815168	0.004857446	0.001700106	9.474187424	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	65	Diesel	455979.3075	455979.3075	0	1.466742249	0.009297815	0.009718221	555.2447291	0.000465046	0.087479033	0.010012318	0.011398262	0.035631593	0.005257836	0.076062426	0.020902067	0.007315723	49.5997917	0
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	65	Electricity	5083.463429	0	5083.463429	0	0	0	0	0	0	0	0	0	0	0	0.000116513	4.08E-05	0	5709.067907
Los Angeles (SC)	2025	T6 Public Class 5	Aggregate	65	Natural Gas	74220.49998	74220.49998	0	0.00646948	4.87E-05	5.29E-05	57.41184078	0.030274006	0.011703779	0.000432556	0.030896844	0.114861179	0	0.086722918	0.003402264	0.001190792	6.635933149	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	5	Diesel	2899.79144	2899.79144	0	0.039308945	0.000315716	0.000329992	7.573646892	6.70E-05	0.001193231	0.001442788	0.001642505	0.002032332	7.17E-05	0.000422018	0.00019657	6.88E-05	0.676550877	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	5	Electricity	38.80980552	0	38.80980552	0	0	0	0	0	0	0	0	0	0	0	1.32E-06	4.60E-07	0	136.4285763
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	5	Natural Gas	383.355201	383.355201	0	0.000221968	1.64E-06	1.78E-06	1.073272205	0.001596759	0.000218794	2.28E-05	0.00162961	0.003402604	0	0.000447931	2.60E-05	9.10E-06	0.124053897	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	10	Diesel	21274.13611	21274.13611	0	0.239174699	0.001952365	0.002040642	47.97592243	0.000375668	0.007558626	0.008088035	0.009207612	0.012336752	0.000454303	0.003096109	0.001442122	0.000504743	4.285670146	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	10	Electricity	284.7256784	0	284.7256784	0	0	0	0	0	0	0	0	0	0	0	9.65E-06	3.38E-06	0	474.1030323
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	10	Natural Gas	2812.461135	2812.461135	0	0.00110352	1.09E-05	1.19E-05	6.308143195	0.007890452	0.001285956	0.000112739	0.008052785	0.023100115	0	0.003286219	0.00019065	6.67E-05	0.729125142	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	15	Diesel	61201.14167	61201.14167	0	0.490937186	0.003934171	0.004112057	111.1076079	0.000607134	0.017505049	0.013071429	0.014880827	0.0259798	0.001052123	0.008906843	0.004148677	0.001452037	9.925198602	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	15	Electricity	819.0949092	0	819.0949092	0	0	0	0	0	0	0	0	0	0	0	2.78E-05	9.72E-06	0	1136.912858
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	15	Natural Gas	8090.849447	8090.849447	0	0.001966728	2.56E-05	2.78E-05	13.72459815	0.01382383	0.002797849	0.000197515	0.014108232	0.056444549	0	0.00945375	0.000548459	0.000191961	1.586354218	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	45	Diesel	497177.7085	497177.7085	0	2.518956672	0.012815393	0.013394848	563.1583503	0.00091012	0.088725827	0.019594634	0.022306999	0.065289489	0.005332773	0.072356225	0.022790599	0.00797671	50.30671234	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	45	Electricity	6654.054465	0	6654.054465	0	0	0	0	0	0	0	0	0	0	0	0.000152511	5.34E-05	0	6899.309766
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	45	Natural Gas	65727.36844	65727.36844	0	0.005436434	5.14E-05	5.59E-05	57.10311865	0.034509558	0.011640844	0.000493073	0.035219536	0.131840607	0	0.076799121	0.003012939	0.001054529	6.60024958	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	60	Diesel	792205.36	792205.36	0	4.070764932	0.0229882	0.024027624	919.3530613	0.001394177	0.144844449	0.030016246	0.034171211	0.082451748	0.008705724	0.115292759	0.036314651	0.012710128	82.12544478	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	60	Electricity	10602.6025	0	10602.6025	0	0	0	0	0	0	0	0	0	0	0	0.000243011	8.51E-05	0	11294.43354
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	60	Natural Gas	104730.3061	104730.3061	0	0.007266569	7.76E-05	8.44E-05	81.0612562	0.044900829	0.016524867	0.000641544	0.04582459	0.134399328	0	0.12237209	0.004800832	0.001680291	9.369444872	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	65	Diesel	554878.3842	554878.3842	0	2.868330694	0.016504054	0.017250294	668.5007383	0.000992866	0.105322564	0.021376126	0.024335092	0.058121708	0.006330302	0.080753631	0.025435595	0.008902458	59.71690614	0
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	65	Electricity	7426.300349	0	7426.300349	0	0	0	0	0	0	0	0	0	0	0	0.000170211	5.96E-05	0	8340.229764
Los Angeles (SC)	2025	T6 Public Class 6	Aggregate	65	Natural Gas	73355.45294	73355.45294	0	0.005087474	5.43E-05	5.91E-05	56.77712009	0.031449547	0.011574387	0.000449352	0.032096569	0.094136301	0	0.085712154	0.00336261	0.001176913	6.562569119	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	5	Diesel	16114.96305	16114.96305	0	0.184123195	0.001399519	0.001462799	41.94599014	0.000306529	0.006608608	0.006599488	0.007513015	0.009885323	0.000397203	0.002585875	0.001092394	0.000382338	3.747018683	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	5	Electricity	237.2703363	0	237.2703363	0	0	0	0	0	0	0	0	0	0	0	8.04E-06	2.81E-06	0	834.0792677
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	5	Natural Gas	2155.361334	2155.361334	0	0.001031626	9.66E-06	1.05E-05	5.98486888	0.008926848	0.001220055	0.000127547	0.009110503	0.019534407	0	0.002518431	0.000146107	5.11E-05	0.691759561	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	10	Diesel	118226.405	118226.405	0	1.118364115	0.008649911	0.009041021	263.9763727	0.001695742	0.041589585	0.036508864	0.041562563	0.0586347	0.002499698	0.018971108	0.008014282	0.002804999	23.58090481	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	10	Electricity	1740.718784	0	1740.718784	0	0	0	0	0	0	0	0	0	0	0	5.90E-05	2.06E-05	0	2898.509394
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	10	Natural Gas	15812.67182	15812.67182	0	0.005228185	6.43E-05	6.99E-05	35.19139162	0.044317945	0.007173995	0.000633216	0.045229714	0.132555801	0	0.018476311	0.001071903	0.000375166	4.067588133	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	15	Diesel	340112.0932	340112.0932	0	2.293919325	0.017436797	0.018225211	608.9556909	0.002691797	0.095941217	0.057953661	0.065975831	0.11950608	0.005766446	0.054575823	0.023055376	0.008069382	54.39777064	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	15	Electricity	5007.675816	0	5007.675816	0	0	0	0	0	0	0	0	0	0	0	0.000169729	5.94E-05	0	6950.709816
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	15	Natural Gas	45489.67644	45489.67644	0	0.009566962	0.000150469	0.000163649	76.60782894	0.078078662	0.015617007	0.00111559	0.079685002	0.323483447	0	0.053152397	0.003083635	0.001079272	8.854696604	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	45	Diesel	2762957.463	2762957.463	0	11.36729681	0.059612914	0.062308345	3095.711457	0.004060674	0.487730601	0.087425199	0.099526934	0.308162802	0.029314536	0.443355821	0.12665382	0.044328837	276.5386782	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	45	Electricity	40680.69188	0	40680.69188	0	0	0	0	0	0	0	0	0	0	0	0.0009324	0.00032634	0	42180.10181
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	45	Natural Gas	369542.9934	369542.9934	0	0.028329424	0.000302404	0.000328892	319.154357	0.197294165	0.065061703	0.002818944	0.201353167	0.727198281	0	0.431792383	0.016939831	0.005928941	36.88937593	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	60	Diesel	4402509.755	4402509.755	0	18.32486188	0.112997079	0.118106306	5106.252141	0.006273258	0.804492104	0.135061521	0.153757261	0.406494065	0.048353154	0.706445305	0.201810808	0.070633783	456.139481	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	60	Electricity	64820.81076	0	64820.81076	0	0	0	0	0	0	0	0	0	0	0	0.001485691	0.000519992	0	69050.43735
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	60	Natural Gas	588831.589	588831.589	0	0.038322492	0.000456901	0.000496922	453.1600889	0.257194684	0.092379649	0.003674805	0.262486039	0.707118789	0	0.688020067	0.026992008	0.009447203	52.37839468	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	65	Diesel	3083616.475	3083616.475	0	12.94947126	0.081691186	0.085384899	3731.835397	0.004496791	0.587952186	0.09681468	0.110216143	0.287170262	0.03533825	0.494810121	0.141352812	0.049473484	333.3633777	0
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	65	Electricity	45401.94823	0	45401.94823	0	0	0	0	0	0	0	0	0	0	0	0.001040611	0.000364214	0	50989.4109
Los Angeles (SC)	2025	T6 Public Class 7	Aggregate	65	Natural Gas	412430.8383	412430.8383	0	0.02683036	0.000320024	0.000348055	317.4034797	0.180144919	0.064704776	0.002573915	0.183851103	0.495281844	0	0.481904671	0.018905807	0.006617033	36.68700122	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	5	Diesel	3657.580336	3657.580336	0	0.007868091	1.39E-05	1.46E-05	9.372457425	1.07E-05	0.001476634	0.000229535	0.000261308	0.001175618	8.88E-05	0.000886994	0.000247939	8.68E-05	0.837237909	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	5	Electricity	66.91885876	0	66.91885876	0	0	0	0	0	0	0	0	0	0	0	2.27E-06	7.94E-07	0	235.2406693
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	5	Natural Gas	21.31212979	21.31212979	0	1.91E-05	7.70E-08	8.37E-08	0.05975128	9.05E-05	1.22E-05	1.29E-06	9.24E-05	0.000175849	0	2.49E-05	1.44E-06	5.06E-07	0.006906337	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	10	Diesel	26833.60631	26833.60631	0	0.043362166	8.13E-05	8.50E-05	56.80022152	4.24E-05	0.008948898	0.000912084	0.001038339	0.005540738	0.000537864	0.006507375	0.001818985	0.000636645	5.073941288	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	10	Electricity	490.945966	0	490.945966	0	0	0	0	0	0	0	0	0	0	0	1.66E-05	5.82E-06	0	817.4849997
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	10	Natural Gas	156.3550894	156.3550894	0	9.21E-05	5.12E-07	5.57E-07	0.350720821	0.000440405	7.15E-05	6.29E-06	0.000449466	0.001195956	0	0.000182693	1.06E-05	3.71E-06	0.040537978	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	15	Diesel	77194.54896	77194.54896	0	0.087397834	0.00017259	0.000180394	128.4223573	5.76E-05	0.020232995	0.001240468	0.001412178	0.009139102	0.001216083	0.018720328	0.005232832	0.001831491	11.4719183	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	15	Electricity	1412.346591	0	1412.346591	0	0	0	0	0	0	0	0	0	0	0	4.79E-05	1.68E-05	0	1960.352802
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	15	Natural Gas	449.8001671	449.8001671	0	0.000157136	1.20E-06	1.30E-06	0.761787208	0.000757081	0.000155295	1.08E-05	0.000772657	0.002936359	0	0.000525569	3.05E-05	1.07E-05	0.088050983	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	45	Diesel	627102.8271	627102.8271	0	0.169076727	0.001724551	0.001802528	650.5680024	0.000117209	0.102497254	0.002523483	0.002872793	0.018678853	0.00616049	0.152077715	0.028746359	0.010061226	58.11498194	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	45	Electricity	11473.43371	0	11473.43371	0	0	0	0	0	0	0	0	0	0	0	0.000262971	9.20E-05	0	11896.32181
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	45	Natural Gas	3654.026874	3654.026874	0	0.000380963	2.41E-06	2.62E-06	3.15690149	0.001810649	0.000643555	2.59E-05	0.0018479	0.007824761	0	0.004269546	0.0001675	5.86E-05	0.364889663	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	60	Diesel	999228.6709	999228.6709	0	0.344415564	0.005968524	0.006238394	1130.511859	0.000262599	0.178112604	0.005653693	0.006436299	0.025119804	0.010705271	0.242321365	0.045804588	0.016031606	100.9881765	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	60	Electricity	18281.82464	0	18281.82464	0	0	0	0	0	0	0	0	0	0	0	0.000419019	0.000146657	0	19474.73307
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	60	Natural Gas	5822.344054	5822.344054	0	0.000496286	3.64E-06	3.96E-06	4.478331585	0.002339439	0.000912937	3.34E-05	0.00238757	0.009140668	0	0.006803116	0.000266896	9.34E-05	0.517626828	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	65	Diesel	699882.1498	699882.1498	0	0.312557285	0.005245699	0.005482886	850.6827207	0.00022783	0.134025409	0.004905127	0.005584114	0.019420362	0.008055457	0.169727314	0.03208256	0.011228896	75.99115046	0
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	65	Electricity	12804.9996	0	12804.9996	0	0	0	0	0	0	0	0	0	0	0	0.00029349	0.000102722	0	14380.86716
Los Angeles (SC)	2025	T6 Utility Class 5	Aggregate	65	Natural Gas	4078.100231	4078.100231	0	0.00034746	2.55E-06	2.77E-06	3.136723784	0.001638596	0.000639442	2.34E-05	0.001672307	0.006402329	0	0.004765055	0.00018694	6.54E-05	0.362557428	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	5	Diesel	688.1651927	688.1651927	0	0.001485663	2.53E-06	2.64E-06	1.763114662	1.86E-06	0.000277779	4.00E-05	4.56E-05	0.000222542	1.67E-05	0.000166886	4.66E-05	1.63E-05	0.157498334	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	5	Electricity	12.73915026	0	12.73915026	0	0	0	0	0	0	0	0	0	0	0	4.32E-07	1.51E-07	0	44.78208817
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	5	Natural Gas	6.978172094	6.978172094	0	8.61E-06	2.00E-08	2.17E-08	0.019746842	3.03E-05	4.03E-06	4.33E-07	3.09E-05	5.27E-05	0	8.15E-06	4.73E-07	1.66E-07	0.002282434	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	10	Diesel	5048.680321	5048.680321	0	0.008209615	1.47E-05	1.54E-05	10.68229342	7.29E-06	0.001683	0.000157008	0.000178742	0.001044933	0.000101155	0.001224347	0.000342238	0.000119783	0.95424504	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	10	Electricity	93.45996847	0	93.45996847	0	0	0	0	0	0	0	0	0	0	0	3.17E-06	1.11E-06	0	155.6222631
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	10	Natural Gas	51.19491729	51.19491729	0	4.10E-05	1.33E-07	1.45E-07	0.115745304	0.000144938	2.36E-05	2.07E-06	0.00014792	0.000359021	0	5.98E-05	3.47E-06	1.21E-06	0.013378392	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	15	Diesel	14523.97399	14523.97399	0	0.016607641	3.12E-05	3.26E-05	24.14569507	9.74E-06	0.003804164	0.000209768	0.000238805	0.001716099	0.000228645	0.003522186	0.000984545	0.000344591	2.156925375	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	15	Electricity	268.8643497	0	268.8643497	0	0	0	0	0	0	0	0	0	0	0	9.11E-06	3.19E-06	0	373.1867124
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	15	Natural Gas	147.2768328	147.2768328	0	6.86E-05	3.11E-07	3.38E-07	0.250961922	0.000243775	5.12E-05	3.48E-06	0.00024879	0.000887218	0	0.000172086	9.98E-06	3.49E-06	0.029007371	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	45	Diesel	117987.9314	117987.9314	0	0.031827343	0.00031296	0.000327111	121.6943523	1.99E-05	0.019172995	0.000427478	0.000486651	0.003488609	0.001152373	0.028613067	0.00540856	0.001892996	10.87090828	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	45	Electricity	2184.164505	0	2184.164505	0	0	0	0	0	0	0	0	0	0	0	5.01E-05	1.75E-05	0	2264.668493
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	45	Natural Gas	1196.427979	1196.427979	0	0.000155581	6.25E-07	6.80E-07	1.03560007	0.000553004	0.000211114	7.90E-06	0.000564381	0.002756165	0	0.001397966	5.48E-05	1.92E-05	0.119699573	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	60	Diesel	188002.5393	188002.5393	0	0.065990966	0.001087224	0.001136383	211.595982	4.52E-05	0.033337033	0.000973434	0.001108181	0.004713669	0.002003687	0.045592199	0.008618026	0.003016309	18.90178526	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	60	Electricity	3480.258262	0	3480.258262	0	0	0	0	0	0	0	0	0	0	0	7.98E-05	2.79E-05	0	3707.348802
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	60	Natural Gas	1906.394115	1906.394115	0	0.000199703	9.44E-07	1.03E-06	1.468008207	0.000708021	0.000299263	1.01E-05	0.000722587	0.003633571	0	0.002227526	8.74E-05	3.06E-05	0.169679359	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	65	Diesel	131681.1909	131681.1909	0	0.060206416	0.000956104	0.000999335	159.3517322	3.93E-05	0.02510593	0.000846304	0.000963453	0.003657038	0.001508966	0.031933797	0.006036259	0.002112691	14.23482711	0
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	65	Electricity	2437.650865	0	2437.650865	0	0	0	0	0	0	0	0	0	0	0	5.59E-05	1.96E-05	0	2737.64423
Los Angeles (SC)	2025	T6 Utility Class 6	Aggregate	65	Natural Gas	1335.281153	1335.281153	0	0.000139816	6.61E-07	7.19E-07	1.02822584	0.000495914	0.000209611	7.09E-06	0.000506116	0.002545034	0	0.001560209	6.12E-05	2.14E-05	0.118847225	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	5	Diesel	954.1509106	954.1509106	0	0.001868787	3.36E-06	3.51E-06	2.428062606	2.34E-06	0.000382542	5.04E-05	5.74E-05	0.000272265	2.30E-05	0.00023139	6.47E-05	2.26E-05	0.216897871	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	5	Electricity	20.49628448	0	20.49628448	0	0	0	0	0	0	0	0	0	0	0	6.95E-07	2.43E-07	0	72.05083541
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	5	Natural Gas	10.25252556	10.25252556	0	1.27E-05	2.93E-08	3.19E-08	0.028960918	4.45E-05	5.90E-06	6.36E-07	4.54E-05	7.73E-05	0	1.20E-05	6.95E-07	2.43E-07	0.00334744	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	10	Diesel	7000.067682	7000.067682	0	0.010193536	1.94E-05	2.02E-05	14.70477837	8.89E-06	0.002316744	0.000191352	0.00021784	0.001283541	0.000139245	0.001697575	0.000474518	0.000166081	1.313572027	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	10	Electricity	150.369692	0	150.369692	0	0	0	0	0	0	0	0	0	0	0	5.10E-06	1.78E-06	0	250.383904
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	10	Natural Gas	75.21700393	75.21700393	0	6.04E-05	1.95E-07	2.12E-07	0.16975251	0.000212953	3.46E-05	3.04E-06	0.000217334	0.000527243	0	8.79E-05	5.10E-06	1.78E-06	0.019620801	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	15	Diesel	20137.69827	20137.69827	0	0.020287846	4.06E-05	4.24E-05	33.22226227	1.13E-05	0.005234181	0.000243646	0.000277372	0.002119311	0.000314595	0.004883561	0.001365086	0.00047778	2.967731528	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	15	Electricity	432.5814584	0	432.5814584	0	0	0	0	0	0	0	0	0	0	0	1.47E-05	5.13E-06	0	600.427883
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	15	Natural Gas	216.3832407	216.3832407	0	0.000100941	4.56E-07	4.96E-07	0.368059741	0.00035813	7.50E-05	5.12E-06	0.000365498	0.001302978	0	0.000252833	1.47E-05	5.13E-06	0.042542092	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	45	Diesel	163591.9593	163591.9593	0	0.036282105	0.000390876	0.00040855	169.1909883	2.28E-05	0.026656109	0.000490487	0.000558382	0.004568094	0.001602137	0.039672427	0.007499047	0.002624666	15.11376396	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	45	Electricity	3514.147814	0	3514.147814	0	0	0	0	0	0	0	0	0	0	0	8.05E-05	2.82E-05	0	3643.67236
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	45	Natural Gas	1757.825439	1757.825439	0	0.000228811	9.17E-07	9.97E-07	1.518787186	0.000812195	0.000309615	1.16E-05	0.000828905	0.004050867	0	0.002053931	8.06E-05	2.82E-05	0.175548634	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	60	Diesel	260668.2175	260668.2175	0	0.074810846	0.001375757	0.001437963	294.5221104	5.40E-05	0.046402078	0.001161599	0.001322392	0.00617646	0.002788948	0.063214237	0.011949017	0.004182156	26.30954345	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	60	Electricity	5599.460085	0	5599.460085	0	0	0	0	0	0	0	0	0	0	0	0.000128339	4.49E-05	0	5964.830789
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	60	Natural Gas	2800.927538	2800.927538	0	0.000293683	1.39E-06	1.51E-06	2.152942148	0.001039816	0.000438891	1.49E-05	0.001061208	0.005343272	0	0.003272743	0.000128394	4.49E-05	0.248847276	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	65	Diesel	182577.86	182577.86	0	0.06901084	0.001213914	0.001268801	221.6080373	4.72E-05	0.034914437	0.001015475	0.001156041	0.004724454	0.002098496	0.044276668	0.008369359	0.002929276	19.79615818	0
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	65	Electricity	3921.987305	0	3921.987305	0	0	0	0	0	0	0	0	0	0	0	8.99E-05	3.15E-05	0	4404.652885
Los Angeles (SC)	2025	T6 Utility Class 7	Aggregate	65	Natural Gas	1961.832405	1961.832405	0	0.000205614	9.70E-07	1.06E-06	1.507968919	0.00072831	0.000307409	1.04E-05	0.000743294	0.003742547	0	0.002292302	8.99E-05	3.15E-05	0.174298208	0
Los Angeles (SC)	2025	T6TS	Aggregate	5	Gasoline	146157.24	146157.24	0	0.105787925	0.001022699	0.001112278	620.4168004	0.010632873	0.005562832	0.050895912	0.074267195	0.400537665	0.006133452	0.007248378	0.009907646	0.003467676	65.42217641	0
Los Angeles (SC)	2025	T6TS	Aggregate	5	Electricity	1758.419137	0	1758.419137	0	0	0	0	0	0	0	0	0	0	0	5.96E-05	2.09E-05	0	6181.391947
Los Angeles (SC)	2025	T6TS	Aggregate	10	Gasoline	1102693.03	1102693.03	0	0.697996647	0.004863088	0.005289052	3799.794947	0.050636719	0.036663211	0.242696264	0.354141819	2.661757607	0.037564842	0.054685868	0.074748894	0.026162113	400.6836295	0
Los Angeles (SC)	2025	T6TS	Aggregate	10	Electricity	13266.51027	0	13266.51027	0	0	0	0	0	0	0	0	0	0	0	0.000449652	0.000157378	0	22090.36004
Los Angeles (SC)	2025	T6TS	Aggregate	15	Gasoline	3125543.508	3125543.508	0	1.749743833	0.00916551	0.009968328	8808.339005	0.095828594	0.091796996	0.459899132	0.671083733	6.753093492	0.087079399	0.155005114	0.211873036	0.074155563	928.8283423	0
Los Angeles (SC)	2025	T6TS	Aggregate	15	Electricity	37603.44351	0	37603.44351	0	0	0	0	0	0	0	0	0	0	0	0.001274523	0.000446083	0	52193.99847
Los Angeles (SC)	2025	T6TS	Aggregate	45	Gasoline	22380506.99	22380506.99	0	8.488474921	0.017424188	0.018950394	35805.48066	0.185216861	0.442135293	0.894907702	1.305847218	29.2300195	0.353973629	1.10991673	1.025921224	0.359072428	3775.643198	0
Los Angeles (SC)	2025	T6TS	Aggregate	45	Electricity	269260.0914	0	269260.0914	0	0	0	0	0	0	0	0	0	0	0	0.006171434	0.002160002	0	279184.4864
Los Angeles (SC)	2025	T6TS	Aggregate	60	Gasoline	28941718.79	28941718.79	0	11.13019544	0.023855912	0.025945481	51619.35601	0.2550145	0.578810747	1.234356047	1.801169446	32.71665702	0.510309887	1.435306979	1.326686815	0.464340385	5443.196594	0
Los Angeles (SC)	2025	T6TS	Aggregate	60	Electricity	348198.0925	0	348198.0925	0	0	0	0	0	0	0	0	0	0	0	0.007980691	0.002793242	0	370918.387
Los Angeles (SC)	2025	T6TS	Aggregate	65	Gasoline	22412197.34	22412197.34	0	8.932170199	0.020945354	0.022779984	41193.5322	0.223986259	0.464501333	1.084452925	1.582431162	24.86430023	0.407240004	1.11148835	1.027373907	0.359580868	4343.806501	0
Los Angeles (SC)	2025	T6TS	Aggregate	65	Electricity	269641.3582	0	269641.3582	0	0	0	0	0	0	0	0	0	0	0	0.006180173	0.00216306	0	302825.199
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	5	Diesel	28217.34567	28217.34567	0	0.340862191	0.00034037	0.00035576	91.9913835	0.000172391	0.01449328	0.003711541	0.004225306	0.034430255	0.000871103	0.006842944	0.004274137	0.001495948	8.217553848	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	5	Electricity	338.9635054	0	338.9635054	0	0	0	0	0	0	0	0	0	0	0	2.61E-05	9.14E-06	0	2002.888722
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	5	Natural Gas	114.8542608	114.8542608	0	0.000241496	1.02E-06	1.11E-06	0.484578854	0.001016153	9.88E-05	1.45E-05	0.001037058	0.002958749	0	0.000134201	1.74E-05	6.09E-06	0.056009925	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	10	Diesel	510304.0129	510304.0129	0	4.379321177	0.005148289	0.005381072	1427.382242	0.001732546	0.224884654	0.037301243	0.042464626	0.384901443	0.013516456	0.123753019	0.07729676	0.027053866	127.5074903	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	10	Electricity	6130.074709	0	6130.074709	0	0	0	0	0	0	0	0	0	0	0	0.000472218	0.000165276	0	17157.41525
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	10	Natural Gas	2077.112103	2077.112103	0	0.002957504	1.67E-05	1.82E-05	7.021113041	0.012333688	0.0014313	0.000176224	0.012587433	0.049557017	0	0.002427001	0.000314548	0.000110092	0.811533582	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	15	Diesel	1561514.894	1561514.894	0	8.697324659	0.012553179	0.013120778	3601.556965	0.002540898	0.567426767	0.054704827	0.062277282	0.64250373	0.034104591	0.378680508	0.233385	0.08168475	321.725657	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	15	Electricity	18757.84378	0	18757.84378	0	0	0	0	0	0	0	0	0	0	0	0.001425786	0.000499025	0	43763.88465

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	15	Natural Gas	6355.900411	6355.900411	0	0.005589109	4.16E-05	4.53E-05	16.2495552	0.02288452	0.003312578	0.000326975	0.023355331	0.12909686	0	0.00742655	0.000949727	0.000332404	1.878200743	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	45	Diesel	27610388.24	27610388.24	0	27.64473063	0.391639105	0.409347287	42381.88092	0.011806096	6.677282598	0.254182	0.289366858	2.031206808	0.401331068	6.695751598	2.427191359	0.849516976	3785.956634	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	45	Electricity	331672.3725	0	331672.3725	0	0	0	0	0	0	0	0	0	0	0	0.014832369	0.005191329	0	578054.237
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	45	Natural Gas	112383.7362	112383.7362	0	0.033418028	0.000182134	0.000198088	147.1777752	0.123157801	0.030003152	0.001759682	0.125691569	0.70039092	0	0.131314738	0.009877068	0.003456974	17.01150606	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	60	Diesel	53162242.36	53162242.36	0	63.36100456	1.666940959	1.742312632	85104.9526	0.028701493	13.40831994	0.617935277	0.703472275	2.06079998	0.805893009	12.89229134	4.072627574	1.425419651	7602.391703	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	60	Electricity	638616.4111	0	638616.4111	0	0	0	0	0	0	0	0	0	0	0	0.024890327	0.008711614	0	1143489.15
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	60	Natural Gas	216388.5336	216388.5336	0	0.053892662	0.00033253	0.000361656	252.4711576	0.193337062	0.051467897	0.002762405	0.197314652	0.926925674	0	0.252839107	0.01657288	0.005800508	29.18181513	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	65	Diesel	34595226.1	34595226.1	0	55.61617876	1.35697613	1.418332569	58190.50645	0.022435936	9.167937989	0.483039546	0.549903754	1.409447003	0.551029299	8.389633583	2.650254495	0.927589073	5198.13489	0
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	65	Electricity	415578.3909	0	415578.3909	0	0	0	0	0	0	0	0	0	0	0	0.016197332	0.005669066	0	784509.9585
Los Angeles (SC)	2025	T7 CAIRP Class 8	Aggregate	65	Natural Gas	140814.4185	140814.4185	0	0.035002286	0.000216393	0.000235347	164.2951161	0.125813718	0.033492634	0.00179763	0.128402127	0.603195084	0	0.164534559	0.01078477	0.003774669	18.99000959	0
Los Angeles (SC)	2025	T7 NNOOS Class 8	Aggregate	5	Diesel	33884.91539	33884.91539	0	0.407914046	0.000400235	0.000418332	106.4686403	0.000201006	0.016774178	0.004327604	0.004926647	0.038617575	0.001008194	0.008217377	0.00513176	0.001796116	9.510801461	0
Los Angeles (SC)	2025	T7 NNOOS Class 8	Aggregate	10	Diesel	612800.6689	612800.6689	0	5.231923994	0.005981043	0.00625148	1653.277631	0.002003279	0.260474564	0.043130055	0.049100285	0.431249394	0.015655551	0.148609321	0.092806655	0.032482329	147.6866359	0
Los Angeles (SC)	2025	T7 NNOOS Class 8	Aggregate	15	Diesel	1875151.571	1875151.571	0	10.36543481	0.014359339	0.015008604	4175.492996	0.002905573	0.657850622	0.062556184	0.071215454	0.718898985	0.039539422	0.454740043	0.28021461	0.098075113	372.9951353	0
Los Angeles (SC)	2025	T7 NNOOS Class 8	Aggregate	45	Diesel	33156048.07	33156048.07	0	32.61438054	0.439075084	0.458928111	49659.47396	0.013308457	7.823870346	0.28652744	0.32618968	2.253792595	0.470245523	8.040620795	2.914208458	1.01997296	4436.061137	0
Los Angeles (SC)	2025	T7 NNOOS Class 8	Aggregate	60	Diesel	63840096.98	63840096.98	0	74.4774436	1.914019237	2.000562694	99996.63684	0.033518473	15.75451086	0.721643539	0.821536236	2.221205869	0.946908354	15.48176098	4.889796723	1.711428853	8932.659957	0
Los Angeles (SC)	2025	T7 NNOOS Class 8	Aggregate	65	Diesel	41543819.29	41543819.29	0	65.48631882	1.565790775	1.636588886	68373.78919	0.026454996	10.77231833	0.569568808	0.648410732	1.507856462	0.647458897	10.07472593	3.182025733	1.113709007	6107.803503	0
Los Angeles (SC)	2025	T7 NOOS Class 8	Aggregate	5	Diesel	12303.64759	12303.64759	0	0.152194066	0.000152645	0.000159547	39.63381107	7.64E-05	0.006244323	0.001645623	0.001873416	0.015204465	0.000375308	0.002983738	0.00186395	0.000652383	3.540472643	0
Los Angeles (SC)	2025	T7 NOOS Class 8	Aggregate	10	Diesel	222508.5525	222508.5525	0	1.956100755	0.002306313	0.002410595	614.9821813	0.000768321	0.096890693	0.016541744	0.018831517	0.169957452	0.005823514	0.053960197	0.033709101	0.011798186	54.93611464	0
Los Angeles (SC)	2025	T7 NOOS Class 8	Aggregate	15	Diesel	680869.462	680869.462	0	3.886933235	0.005613958	0.005867796	1551.735456	0.001127222	0.244476553	0.024268783	0.027628162	0.28367092	0.014694007	0.165116577	0.101779151	0.035622703	138.6159136	0
Los Angeles (SC)	2025	T7 NOOS Class 8	Aggregate	45	Diesel	12038995.12	12038995.12	0	12.38164449	0.174744045	0.182645195	18279.023	0.00522961	2.879867518	0.112592068	0.128177498	0.895465952	0.173091417	2.919557672	1.058500506	0.370475177	1632.857884	0
Los Angeles (SC)	2025	T7 NOOS Class 8	Aggregate	60	Diesel	23180404.81	23180404.81	0	28.40342208	0.745422654	0.779127359	36723.77694	0.012766076	5.785846012	0.274850123	0.312895943	0.91031371	0.347752207	5.621443319	1.776078718	0.621627551	3280.520446	0
Los Angeles (SC)	2025	T7 NOOS Class 8	Aggregate	65	Diesel	15084603.47	15084603.47	0	24.92288915	0.607096886	0.634547113	25112.36102	0.009992256	3.956462705	0.21513054	0.244909744	0.623675938	0.237799042	3.658143337	1.155779781	0.404522923	2243.277262	0
Los Angeles (SC)	2025	T7 POAK Class 8	Aggregate	5	Diesel	2.851118681	2.851118681	0	3.29E-05	3.04E-08	3.17E-08	0.010269544	1.51E-08	1.62E-06	3.25E-07	3.70E-07	2.67E-06	9.72E-08	6.91E-07	4.31E-07	1.51E-07	0.000917374	0
Los Angeles (SC)	2025	T7 POAK Class 8	Aggregate	10	Diesel	51.01171016	51.01171016	0	0.000413352	4.40E-07	4.60E-07	0.158134819	1.45E-07	2.49E-05	3.13E-06	3.56E-06	2.94E-05	1.50E-06	1.24E-05	7.71E-06	2.70E-06	0.014126121	0
Los Angeles (SC)	2025	T7 POAK Class 8	Aggregate	15	Diesel	162.8394708	162.8394708	0	0.000843845	1.07E-06	1.12E-06	0.417832704	2.12E-07	6.58E-05	4.57E-06	5.20E-06	5.11E-05	3.96E-06	3.95E-05	2.43E-05	8.50E-06	0.03732483	0
Los Angeles (SC)	2025	T7 POAK Class 8	Aggregate	45	Diesel	2606.991095	2606.991095	0	0.00227908	2.88E-05	3.01E-05	4.603112576	8.56E-07	0.000725222	1.84E-05	2.10E-05	0.000143758	4.36E-05	0.000632217	0.00022862	8.00E-05	0.411194223	0
Los Angeles (SC)	2025	T7 POAK Class 8	Aggregate	60	Diesel	4332.986018	4332.986018	0	0.004394236	0.000113223	0.000118342	8.024754422	1.98E-06	0.001264303	4.25E-05	4.84E-05	0.000107283	7.60E-05	0.001050786	0.000331127	0.000115894	0.716848134	0
Los Angeles (SC)	2025	T7 POAK Class 8	Aggregate	65	Diesel	3313.365915	3313.365915	0	0.004587191	0.00010977	0.000114733	6.440158137	1.86E-06	0.00101465	4.00E-05	4.55E-05	8.08E-05	6.10E-05	0.000803519	0.000253207	8.86E-05	0.575296775	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	5	Diesel	29589.14586	29589.14586	0	0.346964548	0.000314327	0.00032854	110.8163514	0.000168163	0.017459161	0.003620498	0.004121661	0.042785027	0.001049365	0.007175617	0.00447249	0.001565371	9.899180771	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	5	Electricity	64.97583876	0	64.97583876	0	0	0	0	0	0	0	0	0	0	0	4.97E-06	1.74E-06	0	383.9332925
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	5	Natural Gas	341.1949551	341.1949551	0	0.001129335	2.71E-06	2.95E-06	1.539348632	0.003266979	0.000313806	4.67E-05	0.003334192	0.008925719	0	0.000398669	5.16E-05	1.81E-05	0.177925224	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	10	Diesel	529403.7538	529403.7538	0	4.47172715	0.004903659	0.00512538	1691.100625	0.0017152	0.266433592	0.036927782	0.042039469	0.473570468	0.016013712	0.128384867	0.080020998	0.028007349	151.0653489	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	10	Electricity	1162.536192	0	1162.536192	0	0	0	0	0	0	0	0	0	0	0	8.90E-05	3.12E-05	0	3253.812903
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	10	Natural Gas	6104.59967	6104.59967	0	0.01328824	4.40E-05	4.78E-05	22.03060055	0.038540235	0.004491082	0.000550664	0.039333137	0.148253268	0	0.007132917	0.0009234	0.00032319	2.546401413	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	15	Diesel	1689961.517	1689961.517	0	9.459614293	0.013062888	0.013653534	4419.192796	0.002708443	0.696245625	0.058312042	0.066383821	0.825531498	0.041847113	0.409829896	0.252050923	0.088217823	394.7647419	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	15	Electricity	3711.045516	0	3711.045516	0	0	0	0	0	0	0	0	0	0	0	0.000280334	9.81E-05	0	8658.232245
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	15	Natural Gas	19487.08986	19487.08986	0	0.025130513	0.000114169	0.00012417	53.08376844	0.072973147	0.010821473	0.001042642	0.074474448	0.405452997	0	0.022769683	0.002908535	0.001017987	6.135673999	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	45	Diesel	27055569.54	27055569.54	0	29.07073019	0.392211267	0.40994532	45160.25531	0.012057437	7.115016616	0.259593306	0.295527218	2.404831361	0.427640612	6.561203393	2.373324786	0.830663675	4034.147718	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	45	Electricity	59412.27005	0	59412.27005	0	0	0	0	0	0	0	0	0	0	0	0.002640215	0.000924075	0	103546.5034
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	45	Natural Gas	311980.0714	311980.0714	0	0.119914825	0.000452188	0.000491796	433.2434814	0.337966507	0.088319518	0.004828875	0.34491961	2.337581984	0	0.364533007	0.027387261	0.009585541	50.07633863	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	60	Diesel	44968087.84	44968087.84	0	59.67598597	1.342942667	1.403664576	77990.03257	0.022724499	12.28736139	0.489252237	0.556976429	2.413433289	0.738518971	10.90513988	3.437467708	1.203113698	6966.818715	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	60	Electricity	98746.99455	0	98746.99455	0	0	0	0	0	0	0	0	0	0	0	0.003824357	0.001338525	0	176813.6786
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	60	Natural Gas	518530.8419	518530.8419	0	0.162850169	0.000712648	0.00077507	641.0024747	0.454137128	0.130672548	0.006488723	0.463480249	3.07783712	0	0.605877183	0.039667259	0.01388354	74.09010951	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	65	Diesel	34386385.95	34386385.95	0	61.13726711	1.264908189	1.322101725	62869.97441	0.020180036	9.905190071	0.434470646	0.494611758	2.02950794	0.595341062	8.338988089	2.62857722	0.920002027	5616.149909	0
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	65	Electricity	75510.26582	0	75510.26582	0	0	0	0	0	0	0	0	0	0	0	0.002924425	0.001023549	0	142544.8406
Los Angeles (SC)	2025	T7 POLA Class 8	Aggregate	65	Natural Gas	396512.3383	396512.3383	0	0.124439033	0.000544951	0.000592684	490.1644599	0.347271483	0.099923232	0.004961824	0.35441602	2.353573394	0	0.463304705	0.030332926	0.010616524	56.65553559	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	5	Diesel	3429.073636	3429.073636	0	0.096323198	0.000689295	0.000720462	13.55901905	0.000139324	0.002136229	0.002999603	0.00341482	0.005843623	0.000128396	0.0004129	0.000619395	0.000216788	1.211221801	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	5	Electricity	49.37402711	0	49.37402711	0	0	0	0	0	0	0	0	0	0	0	3.74E-06	1.31E-06	0	291.7443338
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	5	Natural Gas	1574.935292	1574.935292	0	0.004118436	1.33E-05	1.45E-05	6.841355295	0.014430897	0.001394655	0.000206189	0.014727789	0.040850597	0	0.001840233	0.000239932	8.40E-05	0.790756328	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	10	Diesel	67009.75166	67009.75166	0	1.557854873	0.011513697	0.012034296	234.7590734	0.002098958	0.036986388	0.045189982	0.051445354	0.093465129	0.002223028	0.00806874	0.012103991	0.004236397	20.97093504	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	10	Electricity	964.8498826	0	964.8498826	0	0	0	0	0	0	0	0	0	0	0	7.32E-05	2.56E-05	0	2700.510332
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	10	Natural Gas	30776.83188	30776.83188	0	0.053745278	0.000236483	0.000257197	107.0321299	0.187762063	0.0218192	0.002682749	0.191624957	0.740095985	0	0.035961179	0.004688665	0.001641033	12.37128177	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	15	Diesel	196688.9676	196688.9676	0	3.279475535	0.024474408	0.025581032	566.1620987	0.003461009	0.089199069	0.074514577	0.084829174	0.202793311	0.005361217	0.0236836	0.035056257	0.01226969	50.575036	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	15	Electricity	2832.055374	0	2832.055374	0	0	0	0	0	0	0	0	0	0	0	0.000211896	7.42E-05	0	6607.462251
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	15	Natural Gas	90337.05004	90337.05004	0	0.095502523	0.000564526	0.000613973	237.3969555	0.33091901	0.048394922	0.00472818	0.337727122	1.854482716	0	0.105554295	0.013579561	0.004752846	27.43946728	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	45	Diesel	3286568.433	3286568.433	0	32.51263587	0.185537141	0.193926307	5884.167907	0.011111089	0.92705305	0.23921869	0.272332269	1.11040918	0.055719551	0.395740413	0.344317712	0.120511199	525.6303882	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	45	Electricity	47322.14473	0	47322.14473	0	0	0	0	0	0	0	0	0	0	0	0.002082566	0.000728898	0	82475.26335
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	45	Natural Gas	1509484.241	1509484.241	0	0.509269345	0.00233365	0.002538058	2027.497484	1.646107554	0.413318625	0.023519629	1.679973497	10.22855409	0	1.76375634	0.133452554	0.046708394	234.3477858	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	60	Diesel	5560041.795	5560041.795	0	55.67419024	0.34722227	0.36292212	9900.689344	0.017843284	1.559857638	0.384161021	0.437338079	1.471759081	0.093753608	0.669492597	0.507488951	0.177621133	884.4246572	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	60	Electricity	80057.0893	0	80057.0893	0	0	0	0	0	0	0	0	0	0	0	0.003070277	0.001074597	0	143348.0433
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	60	Natural Gas	2553665.21	2553665.21	0	0.713433501	0.003743514	0.004071414	3054.71579	2.262289297	0.622723797	0.03232365	2.30883216	12.75774276	0	2.983829233	0.196739617	0.068858866	353.0785549	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	65	Diesel	3909003.396	3909003.396	0	39.4929039	0.250426228	0.26174939	7115.963137	0.012725236	1.12112289	0.273970843	0.311894949	1.040660503	0.067383916	0.470688699	0.356791568	0.124877049	635.6661682	0
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	65	Electricity	56284.36719	0	56284.36719	0	0	0	0	0	0	0	0	0	0	0	0.002158567	0.000755498	0	106251.0649
Los Angeles (SC)	2025	T7 Public Class 8	Aggregate	65	Natural Gas	1795361.68	1795361.68	0	0.500961829	0.002631889	0.002862419	2147.626734	1.590509005	0.437807759	0.022725235	1.6232311	8.969367791	0	2.097789735	0.138318355	0.048411424	248.2328949	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	5	Diesel	1513.725047	1513.725047	0	0.012045574	1.08E-05	1.13E-05	5.304419579	7.08E-06	0.000835713	0.000152455	0.000173558	0.001466433	5.02E-05	0.00036704	0.000229026	8.02E-05	0.4738417	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	5	Electricity	34.55870734	0	34.55870734	0	0	0	0	0	0	0	0	0	0	0	2.63E-06	9.21E-07	0	204.2026474
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	5	Natural Gas	144.8210307	144.8210307	0	0.000208487	1.36E-06	1.48E-06	0.622609052	0.001221114	0.000126923	1.74E-05	0.001246236	0.003696644	0	0.000169216	2.19E-05	7.67E-06	0.07196411	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	10	Diesel	28831.0284	28831.0284	0	0.163373965	0.000173386	0.000181225	86.5827674	7.58E-05	0.01364115	0.001631065	0.001856844	0.017288486	0.000819887	0.006990794	0.004362124	0.001526743	7.734404314	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	10	Electricity	658.2193213	0	658.2193213	0	0	0	0	0	0	0	0	0	0	0	5.01E-05	1.75E-05	0	1842.284598
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	10	Natural Gas	2758.320778	2758.320778	0	0.002773254	2.36E-05	2.56E-05	9.508679834	0.01578702	0.001938407	0.000225565	0.016111812	0.06511957	0	0.003222959	0.000417218	0.000146026	1.099058363	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	15	Diesel	82890.4449	82890.4449	0	0.305853094	0.0003994	0.000417459	204.9709444	0.000104978	0.032293256	0.002260153	0.002573012	0.027156154	0.001940952	0.020098832	0.012374762	0.004331167	18.30997327	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	15	Electricity	1892.408818	0	1892.408818	0	0	0	0	0	0	0	0	0	0	0	0.00014214	4.97E-05	0	4415.174909
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	15	Natural Gas	7930.290702	7930.290702	0	0.005135563	5.51E-05	5.99E-05	20.69846749	0.027898446	0.004219518	0.000398614	0.02847241	0.158796214	0	0.009266145	0.001183592	0.000414257	2.39242715	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	45	Diesel	1314168.896	1314168.896	0	0.881989558	0.011029826	0.011528545	2156.604676	0.000437834	0.339773945	0.009426456	0.010731302	0.077813546	0.020421757	0.318652651	0.115392953	0.040387534	192.6486414	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	45	Electricity	30002.79236	0	30002.79236	0	0	0	0	0	0	0	0	0	0	0	0.001325576	0.000463951	0	52290.28005
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	45	Natural Gas	125729.1041	125729.1041	0	0.030624937	0.00021615	0.000235082	168.5158462	0.138663221	0.034353058	0.001981224	0.141515988	0.693668567	0	0.146908128	0.011036794	0.003862878	19.47786162	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	60	Diesel	2211622.006	2211622.006	0	1.773325315	0.040098534	0.041911612	3785.939278	0.000903426	0.596476275	0.019450515	0.022142931	0.071188506	0.035850581	0.536262285	0.169229227	0.05923023	338.1964559	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	60	Electricity	50491.86298	0	50491.86298	0	0	0	0	0	0	0	0	0	0	0	0.001944102	0.000680436	0	90409.35445
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	60	Natural Gas	211590.1954	211590.1954	0	0.043899633	0.000344923	0.000375135	252.7694867	0.191150038	0.051528713	0.002731157	0.195082634	0.708415783	0	0.247232491	0.016185958	0.005665085	29.21629743	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	65	Diesel	1692464.015	1692464.015	0	1.829658367	0.038189018	0.039915756	3045.728028	0.00082153	0.479855691	0.017687306	0.020135651	0.057603921	0.028841223	0.41037963	0.129504218	0.045326476	272.0736782	0
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	65	Electricity	38639.36104	0	38639.36104	0	0	0	0	0	0	0	0	0	0	0	0.001487742	0.00052071	0	72941.62591
Los Angeles (SC)	2025	T7 Single Concrete/Transit Mix Class 8	Aggregate	65	Natural Gas	161921.3368	161921.3368	0	0.033585549	0.000263956	0.000287076	193.434167	0.146279319	0.03943282	0.002090043	0.149288774	0.542121672	0	0.18919693	0.012386453	0.004335259	22.35803945	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	5	Diesel	3530.457496	3530.457496	0	0.033075119	3.83E-05	4.01E-05	13.7281539	2.65E-05	0.002162876	0.000570413	0.000649371	0.005307339	0.000129997	0.000855569	0.000533973	0.000186891	1.22633055	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	5	Electricity	40.59366001	0	40.59366001	0	0	0	0	0	0	0	0	0	0	0	3.09E-06	1.08E-06	0	239.8623526
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	5	Natural Gas	255.1788294	255.1788294	0	0.000830681	2.02E-06	2.20E-06	1.162354145	0.002443668	0.000236953	3.49E-05	0.002493943	0.006680068	0	0.000298164	3.86E-05	1.35E-05	0.134350411	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	10	Diesel	67242.5422	67242.5422	0	0.470554605	0.000626246	0.000654562	221.4583804	0.000310774	0.034890858	0.006690873	0.007617049	0.062994635	0.002097078	0.016295512	0.010170272	0.003559595	19.7827894	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	10	Electricity	773.1635063	0	773.1635063	0	0	0	0	0	0	0	0	0	0	0	5.89E-05	2.06E-05	0	2164.000924
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	10	Natural Gas	4860.240698	4860.240698	0	0.010468931	3.50E-05	3.80E-05	17.71107487	0.030689334	0.003610518	0.00043849	0.031320716	0.118110479	0	0.005678947	0.000734943	0.00025723	2.047130125	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	15	Diesel	193325.1968	193325.1968	0	0.938879868	0.001404864	0.001468386	516.5629235	0.000474961	0.081384699	0.010225775	0.011641266	0.099824463	0.004891542	0.046850296	0.0288517	0.010098095	46.14436133	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	15	Electricity	2222.878287	0	2222.878287	0	0	0	0	0	0	0	0	0	0	0	0.00016703	5.85E-05	0	5186.19251
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	15	Natural Gas	13973.40075	13973.40075	0	0.017974989	8.17E-05	8.89E-05	38.44223539	0.052337675	0.007836701	0.000747802	0.053414436	0.290902085	0	0.016327215	0.002084934	0.000729727	4.443336091	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	45	Diesel	3065033.137	3065033.137	0	3.443254408	0.033762315	0.035288897	4994.83033	0.001936363	0.786937553	0.041689368	0.047460172	0.282316763	0.047298056	0.742778036	0.269035341	0.094162369	446.1862148	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	45	Electricity	35242.15013	0	35242.15013	0	0	0	0	0	0	0	0	0	0	0	0.00155771	0.000545198	0	61421.67962
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	45	Natural Gas	221538.3045	221538.3045	0	0.087165642	0.000320637	0.000348722	310.8296662	0.240075883	0.063364661	0.003430211	0.245015047	1.658005769	0	0.258856355	0.019441557	0.006804545	35.92716864	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	60	Diesel	5158160.992	5158160.992	0	7.389234463	0.116325937	0.12158568	8820.877427	0.003919348	1.389732831	0.084382493	0.096063045	0.335445976	0.083528434	1.25002521	0.394551436	0.138093003	787.9654863	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	60	Electricity	59309.20677	0	59309.20677	0	0	0	0	0	0	0	0	0	0	0	0.002284558	0.000799595	0	106197.45
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	60	Natural Gas	372828.0217	372828.0217	0	0.120327318	0.000511661	0.000556478	465.6853891	0.326650654	0.094933013	0.004667193	0.333370951	2.20750312	0	0.435630773	0.028511866	0.009979153	53.82612835	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	65	Diesel	3947329.988	3947329.988	0	7.358320956	0.109519055	0.11447102	7183.189844	0.003560347	1.131714485	0.076653291	0.087263937	0.298992502	0.068020512	0.956593252	0.301934104	0.105676936	641.6715033	0
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	65	Electricity	45386.91421	0	45386.91421	0	0	0	0	0	0	0	0	0	0	0	0.001748279	0.000611898	0	85679.34946
Los Angeles (SC)	2025	T7 Single Dump Class 8	Aggregate	65	Natural Gas	285310.0616	285310.0616	0	0.092056785	0.000391553	0.00042585	356.3700132	0.249972407	0.072648358	0.003571612	0.255115177	1.689312	0	0.333370443	0.021818967	0.007636639	41.19093818	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	5	Diesel	10642.83835	10642.83835	0	0.089577647	9.03E-05	9.44E-05	38.22464623	5.97E-05	0.006022309	0.001285623	0.001463584	0.011801343	0.000361965	0.002579868	0.001609446	0.000563306	3.414592506	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	5	Electricity	144.7327132	0	144.7327132	0	0	0	0	0	0	0	0	0	0	0	1.10E-05	3.85E-06	0	855.2056913
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	5	Natural Gas	814.4325567	814.4325567	0	0.001695994	7.22E-06	7.86E-06	3.516316287	0.007208885	0.000716824	0.000103001	0.007357196	0.020988905	0	0.000951623	0.000123143	4.31E-05	0.406432532	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	10	Diesel	202707.8666	202707.8666	0	1.233691549	0.00145735	0.001523245	621.8389823	0.000665676	0.097970985	0.014331816	0.016315681	0.139617688	0.005888443	0.049137226	0.030654174	0.010728961	55.54862996	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	10	Electricity	2756.638646	0	2756.638646	0	0	0	0	0	0	0	0	0	0	0	0.00020955	7.33E-05	0	7715.533039
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	10	Natural Gas	15512.01668	15512.01668	0	0.021963571	0.000124807	0.000135739	53.65419654	0.092144841	0.010937759	0.001316568	0.094040569	0.370242866	0	0.018125011	0.002345438	0.000820903	6.201606787	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	15	Diesel	582793.8224	582793.8224	0	2.358871045	0.003299934	0.003449142	1465.925215	0.000963796	0.230957115	0.020750268	0.023622601	0.220302831	0.013881435	0.141271636	0.086961792	0.030436627	130.9505187	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	15	Electricity	7925.454502	0	7925.454502	0	0	0	0	0	0	0	0	0	0	0	0.000594464	0.000208062	0	18490.86071
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	15	Natural Gas	44597.71417	44597.71417	0	0.039223077	0.000291827	0.000317388	116.6631461	0.160623425	0.023782546	0.002294992	0.163927986	0.906198609	0	0.052110184	0.006653693	0.002328793	13.48448035	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	45	Diesel	9239780.471	9239780.471	0	7.452603169	0.083991806	0.087789543	15084.65328	0.003944886	2.376593267	0.084932321	0.096688983	0.628938867	0.142842646	2.239761046	0.810897854	0.283814249	1347.506102	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	45	Electricity	125652.4296	0	125652.4296	0	0	0	0	0	0	0	0	0	0	0	0.005543761	0.001940316	0	218992.9742
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	45	Natural Gas	707064.956	707064.956	0	0.213336856	0.001144619	0.001244878	947.2768283	0.774933497	0.193108578	0.011072271	0.790876473	4.407987948	0	0.826169804	0.062044144	0.02171545	109.4907535	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	60	Diesel	15549676.98	15549676.98	0	15.35286027	0.300509415	0.314097117	26546.01351	0.008118411	4.182335239	0.174787159	0.198981876	0.642050793	0.251374874	3.769306086	1.189214919	0.416225222	2371.344871	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	60	Electricity	211461.1594	0	211461.1594	0	0	0	0	0	0	0	0	0	0	0	0.008130456	0.00284566	0	378636.5918
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	60	Natural Gas	1189923.473	1189923.473	0	0.301064672	0.001826539	0.001986528	1420.240926	1.063243909	0.289525404	0.015191658	1.085118396	5.098526998	0	1.390365671	0.090990306	0.031846607	164.1581895	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	65	Diesel	11899532.86	11899532.86	0	15.59717879	0.28527001	0.298168654	21430.96399	0.007391341	3.376457105	0.159133542	0.181161424	0.542767628	0.202938414	2.884496038	0.910057619	0.318520167	1914.419524	0
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	65	Electricity	161822.5909	0	161822.5909	0	0	0	0	0	0	0	0	0	0	0	0.006221906	0.002177667	0	305481.3167
Los Angeles (SC)	2025	T7 Single Other Class 8	Aggregate	65	Natural Gas	910599.8465	910599.8465	0	0.230330454	0.001397776	0.001520209	1086.852389	0.813657149	0.221561969	0.011625555	0.8303968	3.901694527	0	1.063990076	0.069631166	0.024370908	125.6235595	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	5	Diesel	2210.627355	2210.627355	0	0.095323737	9.37E-05	9.80E-05	20.41852939	1.80E-06	0.003216948	3.87E-05	4.41E-05	0.000174343	0.000193351	7.85E-05	0.000511728	0.000179105	1.823979142	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	5	Electricity	51.65040066	0	51.65040066	0	0	0	0	0	0	0	0	0	0	0	5.98E-06	2.09E-06	0	305.1951119
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	5	Natural Gas	7091.197465	7091.197465	0	0.047944436	4.03E-05	4.38E-05	40.64145835	0.097374759	0.008285027	0.003909528	0.102247172	0.684418179	0	0.004533689	0.001641509	0.000574528	4.697532723	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	10	Diesel	45611.62112	45611.62112	0	1.629753181	0.001654246	0.001729044	380.8335738	2.59E-05	0.060000485	0.000557431	0.000634593	0.002823333	0.003606266	0.001620075	0.010558423	0.003695448	34.01971229	0

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	10	Electricity	1065.696804	0	1065.696804	0	0	0	0	0	0	0	0	0	0	0	0.000123347	4.32E-05	0	2982.769943
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	10	Natural Gas	146311.8654	146311.8654	0	0.706963185	0.000752717	0.000818648	631.3992059	1.378007683	0.128714859	0.058755289	1.450867107	9.172156114	0	0.093543083	0.033869057	0.01185417	72.98011811	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	15	Diesel	126228.1178	126228.1178	0	3.184967781	0.003320221	0.003470347	864.2457309	4.28E-05	0.136162267	0.000921024	0.001048515	0.005443701	0.00818389	0.004483486	0.029219963	0.010226987	77.20272879	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	15	Electricity	2949.268155	0	2949.268155	0	0	0	0	0	0	0	0	0	0	0	0.000341356	0.000119475	0	6880.931135
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	15	Natural Gas	404911.5321	404911.5321	0	1.251163446	0.001698775	0.001847573	1220.404461	2.259205365	0.248787433	0.087197172	2.368253768	14.73416537	0	0.258876292	0.093731098	0.032805884	141.0601421	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	45	Diesel	1969953.677	1969953.677	0	30.72796802	0.025962617	0.027136531	8116.387134	0.000139026	1.278740098	0.002993188	0.003407517	0.023668603	0.076857333	0.069970621	0.456015466	0.159605413	725.0336475	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	45	Electricity	46027.15897	0	46027.15897	0	0	0	0	0	0	0	0	0	0	0	0.005327307	0.001864557	0	80218.30115
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	45	Natural Gas	6319170.207	6319170.207	0	7.417958705	0.01465243	0.015935855	8084.190092	10.37905208	1.648015035	0.324148655	10.79293708	62.55513922	0	4.040100663	1.462795487	0.51197842	934.4090747	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	60	Diesel	2965616.483	2965616.483	0	46.64264978	0.047373865	0.049515901	11818.28737	0.000193825	1.861975987	0.004173005	0.004750649	0.028084337	0.111912114	0.105335486	0.686496845	0.240273896	1055.722929	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	60	Electricity	69290.41171	0	69290.41171	0	0	0	0	0	0	0	0	0	0	0	0.008019858	0.00280695	0	124069.5237
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	60	Natural Gas	9513033.503	9513033.503	0	9.946303066	0.028385534	0.030871858	10539.80012	12.82362059	2.148607202	0.406997505	13.34239591	75.28098449	0	6.082066427	2.202128131	0.770744846	1218.24014	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	65	Diesel	2306612.793	2306612.793	0	36.27932155	0.03734873	0.039037474	9203.881502	0.000171606	1.450075279	0.003694631	0.004206056	0.02231387	0.087155254	0.081928388	0.533947128	0.186881495	822.1790886	0
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	65	Electricity	53893.06102	0	53893.06102	0	0	0	0	0	0	0	0	0	0	0	0.006237728	0.002183205	0	101736.866
Los Angeles (SC)	2025	T7 SWCV Class 8	Aggregate	65	Natural Gas	7399097.254	7399097.254	0	7.735030601	0.02207785	0.024011676	8197.701193	9.974023098	1.671155015	0.316556661	10.37751889	58.55244023	0	4.730541628	1.712782805	0.599473982	947.5292266	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	5	Diesel	21839.26749	21839.26749	0	0.239397432	0.000226494	0.000236735	75.57583018	0.000140795	0.011907003	0.003031269	0.003450869	0.028527954	0.000715658	0.005295754	0.003302764	0.001155967	6.751158972	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	5	Electricity	135.9129005	0	135.9129005	0	0	0	0	0	0	0	0	0	0	0	1.04E-05	3.64E-06	0	803.0906317
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	5	Natural Gas	730.1985105	730.1985105	0	0.001554318	6.43E-06	6.99E-06	3.186843263	0.006497915	0.000649659	9.28E-05	0.006631599	0.018843237	0	0.0008532	0.00011041	3.86E-05	0.368350475	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	10	Diesel	410733.108	410733.108	0	3.252564897	0.003615878	0.003779372	1213.83912	0.001534906	0.191240848	0.033046098	0.037620468	0.332540829	0.011494331	0.099597737	0.062115379	0.021740383	108.4317678	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	10	Electricity	2556.126393	0	2556.126393	0	0	0	0	0	0	0	0	0	0	0	0.000195513	6.84E-05	0	7154.320957
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	10	Natural Gas	13732.9104	13732.9104	0	0.019893081	0.000109671	0.000119277	48.0123294	0.081915391	0.009787627	0.001170409	0.083600665	0.32826306	0	0.016046214	0.002076484	0.000726769	5.549492995	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	15	Diesel	1326462.38	1326462.38	0	6.986202412	0.009357132	0.00978022	3213.751279	0.002504211	0.506327823	0.053914967	0.061378086	0.587787659	0.030432303	0.321650845	0.197937869	0.069278254	287.0831287	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	15	Electricity	8255.008994	0	8255.008994	0	0	0	0	0	0	0	0	0	0	0	0.000623026	0.000218059	0	19259.74358
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	15	Natural Gas	44350.42772	44350.42772	0	0.039995687	0.000288049	0.00031328	117.2555002	0.160162304	0.023903301	0.002288403	0.163457379	0.90284825	0	0.051821242	0.006616957	0.002315935	13.55294744	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	45	Diesel	22547296.76	22547296.76	0	23.57379264	0.277463651	0.290009326	35016.29598	0.011244309	5.516831692	0.242086893	0.275597499	1.777076734	0.331583384	5.467442701	1.978886871	0.692610405	3127.991849	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	45	Electricity	140319.1981	0	140319.1981	0	0	0	0	0	0	0	0	0	0	0	0.006229935	0.002180477	0	244554.9093
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	45	Natural Gas	753871.5533	753871.5533	0	0.234820906	0.001211311	0.001317411	1020.547049	0.825764111	0.208045192	0.01179854	0.842752843	4.757731514	0	0.880860956	0.066152984	0.023153544	117.9596735	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	60	Diesel	37168432.16	37168432.16	0	47.74889509	0.983184157	1.027639382	60180.96364	0.022784231	9.481535329	0.490538237	0.558440442	1.77615355	0.569877738	9.012888567	2.842731413	0.994955994	5375.941642	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	60	Electricity	231311.3031	0	231311.3031	0	0	0	0	0	0	0	0	0	0	0	0.008950185	0.003132565	0	414179.7185
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	60	Natural Gas	1242730.957	1242730.957	0	0.325773576	0.001893407	0.002059252	1498.72396	1.109217585	0.305524684	0.015848531	1.132037904	5.447923441	0	1.452068558	0.095030698	0.033260744	173.2296313	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	65	Diesel	26786294.34	26786294.34	0	45.6930739	0.881256932	0.92110346	45752.45377	0.019643772	7.208317724	0.422925019	0.48146794	1.423922968	0.433248378	6.495347583	2.048680451	0.717038158	4087.048572	0
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	65	Electricity	166699.8657	0	166699.8657	0	0	0	0	0	0	0	0	0	0	0	0.006450159	0.002257556	0	314688.414
Los Angeles (SC)	2025	T7 Tractor Class 8	Aggregate	65	Natural Gas	895602.9425	895602.9425	0	0.234409542	0.001364527	0.001484048	1080.090249	0.799383428	0.220183463	0.011421612	0.815829421	3.926172624	0	1.046466949	0.068486081	0.023970128	124.8419592	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	5	Diesel	497.4131434	497.4131434	0	0.003318382	2.79E-06	2.92E-06	1.870161371	2.23E-06	0.000294645	4.81E-05	5.47E-05	0.000545721	1.77E-05	0.000120627	7.52E-05	2.63E-05	0.167060774	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	5	Electricity	3.847144318	0	3.847144318	0	0	0	0	0	0	0	0	0	0	0	2.92E-07	1.02E-07	0	22.73224652
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	10	Diesel	9720.272805	9720.272805	0	0.047718879	4.65E-05	4.86E-05	31.0231685	2.52E-05	0.004887713	0.000542359	0.000617435	0.006584902	0.000293771	0.002357248	0.001469146	0.000514201	2.771287353	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	10	Electricity	75.17954197	0	75.17954197	0	0	0	0	0	0	0	0	0	0	0	5.70E-06	2.00E-06	0	210.4193963
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	15	Diesel	28531.22681	28531.22681	0	0.095422636	0.000109601	0.000114557	74.10804355	3.73E-05	0.011675752	0.000802367	0.000913434	0.010529317	0.000701759	0.006919063	0.004255019	0.001489257	6.620042173	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	15	Electricity	220.6691732	0	220.6691732	0	0	0	0	0	0	0	0	0	0	0	1.65E-05	5.78E-06	0	514.8427694
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	45	Diesel	476741.6827	476741.6827	0	0.336032707	0.003271283	0.003419196	772.3461214	0.000168337	0.121683446	0.003624239	0.00412592	0.031031784	0.007313656	0.115613872	0.041816986	0.014635945	68.99337307	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	45	Electricity	3687.264963	0	3687.264963	0	0	0	0	0	0	0	0	0	0	0	0.000162285	5.68E-05	0	6426.339096
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	60	Diesel	806526.2401	806526.2401	0	0.723551447	0.011880611	0.012417799	1373.070943	0.000353456	0.216327886	0.007609821	0.008663201	0.034541092	0.013002161	0.195589403	0.061648371	0.02157693	122.6558834	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	60	Electricity	6237.918887	0	6237.918887	0	0	0	0	0	0	0	0	0	0	0	0.000239253	8.37E-05	0	11169.44764
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	65	Diesel	567030.5958	567030.5958	0	0.672681442	0.010384414	0.010853951	1025.081872	0.00029784	0.161502066	0.00641242	0.007300052	0.027896966	0.009706912	0.137509693	0.043342065	0.015169723	91.57015759	0
Los Angeles (SC)	2025	T7 Utility Class 8	Aggregate	65	Electricity	4385.586838	0	4385.586838	0	0	0	0	0	0	0	0	0	0	0	0.000168208	5.89E-05	0	8278.911087
Los Angeles (SC)	2025	T7IS	Aggregate	5	Gasoline	98.34087301	98.34087301	0	0.000916392	9.23E-07	1.00E-06	0.536121057	9.19E-05	3.12E-05	0.000479963	0.000700361	0.009454894	5.30E-06	4.81E-06	1.68E-05	5.88E-06	0.056533296	0
Los Angeles (SC)	2025	T7IS	Aggregate	5	Electricity	0.968668238	0	0.968668238	0	0	0	0	0	0	0	0	0	0	0	7.32E-08	2.56E-08	0	5.723727358
Los Angeles (SC)	2025	T7IS	Aggregate	10	Gasoline	1777.171804	1777.171804	0	0.015123362	1.08E-05	1.18E-05	7.864772622	0.001062988	0.000504549	0.005580319	0.008142789	0.142557961	7.78E-05	8.69E-05	0.000303556	0.000106245	0.829330446	0
Los Angeles (SC)	2025	T7IS	Aggregate	10	Electricity	17.50533453	0	17.50533453	0	0	0	0	0	0	0	0	0	0	0	1.32E-06	4.63E-07	0	48.9955356
Los Angeles (SC)	2025	T7IS	Aggregate	15	Gasoline	5633.81568	5633.81568	0	0.044173487	2.35E-05	2.55E-05	20.41128418	0.002287285	0.001442889	0.012067192	0.017608419	0.390071165	0.000201786	0.000275542	0.000949525	0.000332334	2.152344414	0
Los Angeles (SC)	2025	T7IS	Aggregate	15	Electricity	55.49369392	0	55.49369392	0	0	0	0	0	0	0	0	0	0	0	4.14E-06	1.45E-06	0	129.4722169
Los Angeles (SC)	2025	T7IS	Aggregate	45	Gasoline	82264.00572	82264.00572	0	0.544713101	0.000104299	0.000113434	169.1789242	0.009739543	0.016048623	0.052563594	0.076700674	3.348147876	0.001672506	0.004023421	0.008151156	0.002852905	17.83970617	0
Los Angeles (SC)	2025	T7IS	Aggregate	45	Electricity	810.3093558	0	810.3093558	0	0	0	0	0	0	0	0	0	0	0	3.55E-05	1.24E-05	0	1412.245322
Los Angeles (SC)	2025	T7IS	Aggregate	60	Gasoline	118721.568	118721.568	0	0.828364574	0.000164898	0.000179342	271.1338115	0.015304744	0.023958969	0.083063186	0.121205606	4.675344809	0.002680434	0.005806511	0.010249442	0.003587305	28.59072165	0
Los Angeles (SC)	2025	T7IS	Aggregate	60	Electricity	1169.420289	0	1169.420289	0	0	0	0	0	0	0	0	0	0	0	4.47E-05	1.56E-05	0	2093.932114
Los Angeles (SC)	2025	T7IS	Aggregate	65	Gasoline	96231.99775	96231.99775	0	0.696127123	0.000152299	0.000165639	226.644559	0.014108623	0.02013211	0.076629154	0.111817082	3.984133265	0.002240612	0.004706577	0.008307878	0.002907757	23.89938556	0
Los Angeles (SC)	2025	T7IS	Aggregate	65	Electricity	947.8955884	0	947.8955884	0	0	0	0	0	0	0	0	0	0	0	3.62E-05	1.27E-05	0	1789.394119
Los Angeles (SC)	2025	UBUS	Aggregate	5	Gasoline	96715.39596	96715.39596	0	0.033678189	0.000752804	0.000818744	446.7621885	0.00241272	0.003285592	0.007881433	0.011500568	0.046277092	0.004416699	0.00479747	0.01171262	0.004099417	47.11051456	0
Los Angeles (SC)	2025	UBUS	Aggregate	5	Diesel	4005.924489	4005.924489	0	0.01074755	2.97E-05	3.11E-05	13.54723031	4.77E-05	0.002134372	0.001027595	0.001169839	0.001756075	0.000128367	0.00097147	0.000485735	0.000170007	1.210168717	0
Los Angeles (SC)	2025	UBUS	Aggregate	5	Electricity	65008.40989	0	65008.40989	0	0	0	0	0	0	0	0	0	0	0	0.003941161	0.001379406	0	384125.7509
Los Angeles (SC)	2025	UBUS	Aggregate	5	Natural Gas	1725883.193	1725883.193	0	5.915184351	0.001162895	0.001215476	21922.02615	11.91171594	4.468948439	0.170234788	12.15682334	172.4761536	0	1.845386219	0.209265725	0.073243004	2533.851868	0
Los Angeles (SC)	2025	UBUS	Aggregate	10	Gasoline	319961.6894	319961.6894	0	0.094670189	0.001544221	0.001679481	1182.23508	0.004926969	0.009236918	0.0160926	0.023482284	0.144789074	0.011687597	0.015871378	0.038586159	0.013505155	124.665212	0
Los Angeles (SC)	2025	UBUS	Aggregate	10	Diesel	12929.13974	12929.13974	0	0.024255807	8.77E-05	9.16E-05	36.53219008	0.000118064	0.005755661	0.002541881	0.002893738	0.003957343	0.000346161	0.003135425	0.001567711	0.000548699	3.263406068	0
Los Angeles (SC)	2025	UBUS	Aggregate	10	Electricity	209834.6545	0	209834.6545	0	0	0	0	0	0	0	0	0	0	0	0.012720054	0.004452019	0	587304.4736
Los Angeles (SC)	2025	UBUS	Aggregate	10	Natural Gas	5572923.25	5572923.25	0	10.89660548	0.003480049	0.003637401	42706.58043	29.00724139	8.706015797	0.414981012	29.60459036	418.9946532	0	5.958801736	0.675669069	0.236484174	4936.229338	0
Los Angeles (SC)	2025	UBUS	Aggregate	15	Gasoline	583795.5634	583795.5634	0	0.149866399	0.001858016	0.002020761	1745.482805	0.005888524	0.014623785	0.019230735	0.028061444	0.243999667	0.017255875	0.028958592	0.070175514	0.02456143	184.0589809	0
Los Angeles (SC)	2025	UBUS	Aggregate	15	Diesel	23136.16437	23136.16437	0	0.027657143	0.00013543	0.000141553	52.12874458	0.000151107	0.008212905	0.00325329	0.003703623	0.004503831	0.000493946	0.005610715	0.002805353	0.000981874	4.656640104	0
Los Angeles (SC)	2025	UBUS	Aggregate	15	Electricity	375518.8473	0	375518.8473	0	0	0	0	0	0	0	0	0	0	0	0.022761925	0.007966674	0	876122.2082
Los Angeles (SC)	2025	UBUS	Aggregate	15	Natural Gas	9976296.318	9976296.318	0	9.671914146	0.005169686	0.005403437	40479.37081	38.21561749	8.251984546	0.547404733	39.00334616	544.4843184	0	10.66707169	1.209460307	0.423311107	4678.797875	0
Los Angeles (SC)	2025	UBUS	Aggregate	45	Gasoline	389256.6263	389256.6263	0	0.032290912	0.000323392	0.000351719	396.9654685	0.000470185	0.003175778	0.001532042	0.002235553	0.101305681	0.003924408	0.019308684	0.042188414	0.014765945	41.85951266	0
Los Angeles (SC)	2025	UBUS	Aggregate	45	Diesel	6260.502688	6260.502688	0	0.001138802	6.27E-05	6.55E-05	8.312271834	1.83E-05	0.001309602	0.000394405	0.000449	0.000412156	7.88E-05	0.001518225	0.000759072	0.000265675	0.74253195	0
Los Angeles (SC)	2025	UBUS	Aggregate	45	Electricity	102196.6557	0	102196.6557	0	0	0	0	0	0	0	0	0	0	0	0.0061574	0.00215509	0	178113.1463
Los Angeles (SC)	2025	UBUS	Aggregate	45	Natural Gas	2777305.759	2777305.759	0	0.514085382	0.001188773	0.001242524	2440.35914	6.157882745	0.497483175	0.093275742	6.290348296	82.63906848	0	2.969611035	0.335057949	0.117270282	282.0682963	0
Los Angeles (SC)	2025	UBUS	Aggregate	60	Gasoline	462429.253	462429.253	0	0.042449478	0.000449008	0.000488337	516.6924454	0.000637764	0.004178223	0.002076886	0.003030587	0.189941886	0.005108031	0.022938338	0.050328909	0.017615118	54.48457278	0
Los Angeles (SC)	2025	UBUS	Aggregate	60	Diesel	7855.380457	7855.380457	0	0.001608777	0.000144023	0.000150535	10.70371523	1.88E-05	0.001686375	0.000405818	0.000461993	0.000395597	0.000101423	0.001904996	0.000952452	0.000333358	0.956158642	0
Los Angeles (SC)	2025	UBUS	Aggregate	60	Electricity	128165.9118	0	128165.9118	0	0	0	0	0	0	0	0	0	0	0	0.007726219	0.002704177	0	229490.3904
Los Angeles (SC)	2025	UBUS	Aggregate	60	Natural Gas	3476089.946	3476089.946	0	0.645602352	0.001227569	0.001283074	3056.61934	7.726679269	0.623111848	0.113922176	7.889489369	103.6897032	0	3.716780202	0.419539829	0.14683894	353.2985762	0
Los Angeles (SC)	2025	UBUS	Aggregate	65	Gasoline	337851.4744	337851.4744	0	0.029187923	0.000378555	0.000411714	361.445335	0.000498403	0.002880951	0.001619306	0.002362887	0.187164597	0.003573255	0.016758783	0.036282718	0.012698951	38.11395896	0
Los Angeles (SC)	2025	UBUS	Aggregate	65	Diesel	4767.962739	4767.962739	0	0.001370574	0.000105049	0.000109799	6.867504025	1.08E-05	0.001081978	0.000233189	0.000265468	0.000223019	6.51E-05	0.001156271	0.000578098	0.000202334	0.613471414	0
Los Angeles (SC)	2025	UBUS	Aggregate	65	Electricity	77936.83435	0	77936.83435	0	0	0	0	0	0	0	0	0	0	0	0.004689112	0.001641189	0	147125.6062
Los Angeles (SC)	2025	UBUS	Aggregate	65	Natural Gas	2129101.588	2129101.588	0	0.400105161	0.000928999	0.000971004	1869.70382	4.689398567	0.381151355	0.069292532	4.788375616	62.93108557	0	2.276524127	0.256571663	0.089800082	216.1092449	0