

Introduction

The Community Emission Reduction Plan (CERP) identifies air quality priorities based on community input and evaluation of technical data on emission sources in the community. The CERP defines actions and strategies to reduce the emissions and exposure burden from sources of criteria air pollutants (CAPs) and toxic air contaminants (TACs). To accurately determine emission reductions from these actions and strategies, a baseline emission profile needs to be established. Baseline emissions can be developed through

an emissions inventory that includes an accounting of sources and their resulting emissions. This rigorous accounting of sources, their emissions and their contribution to cumulative exposure burden is identified by CARB guidelines to conduct source attribution analysis. Per the direction of CARB guidelines, source attribution is required to meet the following AB 617 statutory requirements:

California Health and Safety Code § 44391.2 (b) (2) directs CARB to provide “[a] methodology for assessing and identifying the contributing sources or categories of sources, including, but not limited to, stationary and mobile sources, and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities...”

CARB recommended five possible technical approaches to conduct the source attribution analysis: emissions inventory, air quality modeling, targeted air monitoring/back trajectory/pollution roses/inverse modeling, chemical mass balance, and positive matrix factorization. Among them, based on the availability of data and resources, an emissions inventory and an air quality modeling analysis are the source attribution tools employed here to identify sources contributing to air pollution levels in the community, with an emphasis on identifying sources within the community (emissions inventory). More information on source attribution methods is included in the Source Attribution Methodology report.¹ The most recent air quality modeling analysis was released in 2015 as part of the Multiple Air Toxics Exposure Study (MATES IV), which showed Diesel Particulate Matter (DPM) as the air pollutant that

Appendix 3b Highlights

- Information about the sources of air pollution in this community is presented in a “source attribution” analysis
- Diesel particulate matter is currently the main air toxic pollutant in this community, and it comes mostly from on-road and off-road mobile sources
- Other key air toxic pollutants in this community are 1,3-butadiene (mostly from the chemical industry) and benzene
- In future years, diesel emissions will decrease substantially due to ongoing and newly proposed regulations, but these emissions continue to be the main driver of air toxics cancer risk in this community

¹ South Coast Air Quality Management District, Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf>. Accessed October 27, 2020.

contributed most to the air toxics cancer risk in the South Coast AQMD, with the Southeast Los Angeles (SELA) community having higher air toxics cancer risks compared to the overall basin-wide average. MATES V is currently under development and will update cancer risk estimates for the community as well as the South Coast Air Basin. A community-specific emissions inventory was developed for CAPs and TACs based on the most recent available datasets.

The SELA community contains sources of air pollution, including the Interstate 710 freeway (I-710), the Alameda corridor, and 3 major rail yards within the community that support the goods movement industry. The community also includes a wide range of industrial facilities, including metal processing, surface coatings, auto body shops, rendering facilities, and warehousing that attracts heavy-duty truck traffic. The source attribution analysis (discussed in the next section) highlights that in the year 2018, DPM had the highest contribution to the community's overall air toxics inventory. On-road and off-road mobile sources were the predominant sources of DPM, with the major contributors being heavy-heavy duty trucks, medium-heavy duty trucks, off-road diesel equipment, and trains. In this community, 1,3-butadiene is the second largest contributor, which is largely emitted from stationary sources and area sources in the chemical industry and plastics production. The analysis presented in this chapter provides further details on the sources of volatile organic compounds (VOC) and particulate matter with a diameter smaller than or equal to 2.5 micrometers (PM_{2.5}). Projected emissions in future years show decreases in DPM emissions, although DPM continues to be the main contributor to air toxics cancer risk.

The PM_{2.5} emissions inventory in this appendix reflect "primary", or directly emitted PM_{2.5}. However, the majority of PM_{2.5} in the air in this and most communities is formed in the atmosphere from chemical reactions of "precursor" pollutants, including SO_x, NO_x, ammonia, and VOC. Given the importance of this "secondary" PM_{2.5}, the primary emissions described in this appendix are not a good indicator of this community's overall exposure to PM_{2.5}. While the detailed methodology to develop these emissions is provided in the Source Attribution Methodology report², the community-level emissions and their sources are discussed in this appendix, including base year and future emissions of CAPs and TACs.

Base year emissions inventory and source attribution

Overall profiles of CAPs and TACs

A variety of sources contribute to the emissions of criteria pollutants in the Southeast Los Angeles community (**Figure Appendix 3b-1**). NO_x emissions are related to combustion sources, and in this community, on-road mobile sources are the largest emitters of NO_x, with heavy-duty trucks being the largest contributor. Off-road mobile sources are the second largest contributor to NO_x and

² South Coast Air Quality Management District, Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf>. Accessed October 27, 2020.

include trains and off-road equipment. Stationary sources of NOx are mainly from fuel combustion in industrial activities and for space and water heating at commercial businesses and homes.

Stationary and area sources contribute to two thirds of the VOC emissions, with consumer products and outdoor paints (architectural coatings) being the largest contributors. Mobile sources make up the remaining third of the VOC emissions, with vehicle exhaust being the largest contributor. Stationary and area sources are the largest contributors to PM2.5 emissions. Commercial cooking, fuel combustion in residential, commercial and industrial sectors, and manufacturing are the main stationary sources of PM2.5. PM2.5 is also emitted from vehicle exhaust and tire and brake wear. While paved road dust is also related to vehicles traveling on roads, it is considered a stationary source in the inventory rather than a mobile source.

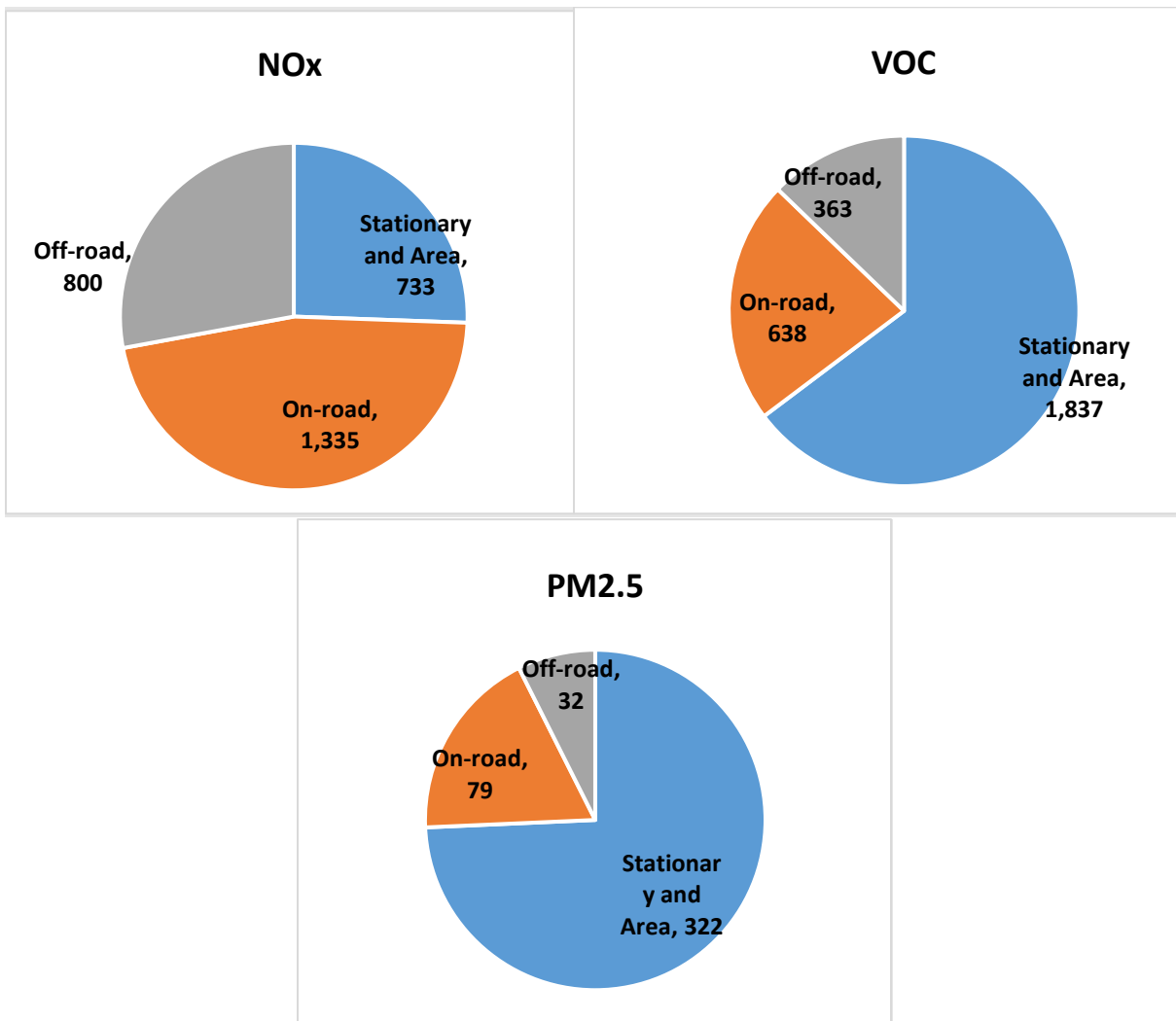


Figure Appendix 3b-1: Contribution of major source categories to NOx emissions, VOC emissions, PM2.5 emissions in the Southeast Los Angeles community in 2018 (tons/year)

TAC emissions from point sources were compiled from the emissions reported by facilities to South Coast AQMD's Annual Emissions Reporting (AER) program. TAC emissions from on-road, and off-road sources were calculated using chemical speciation profiles applied to Total Suspended Particulate matter (TSP) and Total Organic Gas (TOG) emissions. Details on the chemical speciation profiles are described in the Source Attribution Methodology report.³ pollutants were analyzed and included in this report. This list of air toxic pollutants is consistent with the list of TACs that facilities are required to report under the South Coast AQMD AER and AB2588 programs, except for chlorofluorocarbons (CFCs) and ammonia. CFCs do not have an associated air toxics cancer risk and is included in the criteria pollutant inventory because it is a PM precursor. While there is no cancer toxicity associated with ammonia, there are potential health impacts associated with ammonia, therefore, detailed ammonia emissions by major source category are included in Appendix 3b.

The contribution from stationary, on-road and off-road emission sources to TACs emissions in this community are presented in **Figure Appendix 3b-2**. Note that the emissions in the figure are weighted based on the cancer-causing potency of each TAC relative to DPM. For example, cancer potency of Cr⁶⁺ is approximately 464 times higher than the toxicity of DPM per unit of mass. Thus, Cr⁶⁺ emissions are multiplied by 464 to estimate the toxicity-weighted emissions of Cr⁶⁺. The units in the cancer-weighted DPM-equivalent emissions are expressed in pounds per year (lbs/year). This weighting approach enables a comparison of the contribution of each TAC to overall cancer risk using a consistent scale. **Figure Appendix 3b-2** indicates that DPM is the largest contributor to the overall air toxics cancer risk in the community, followed by 1,3-butadiene, benzene, Cr⁶⁺ and formaldehyde. **Figure Appendix 3b-2** also indicates the major source categories from which the five TACs originate. Most of the DPM is emitted from mobile sources. Also, mobile sources are the major contributor to benzene, Cr⁶⁺ and formaldehyde. The major contributor to 1,3-butadiene emissions is plastic production in the chemical industry, but mobile sources also contribute to 1,3 butadiene considerably. A detailed emission inventory by major source categories is provided in the Appendix.

³ South Coast Air Quality Management District, Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf>. Accessed October 27, 2020.

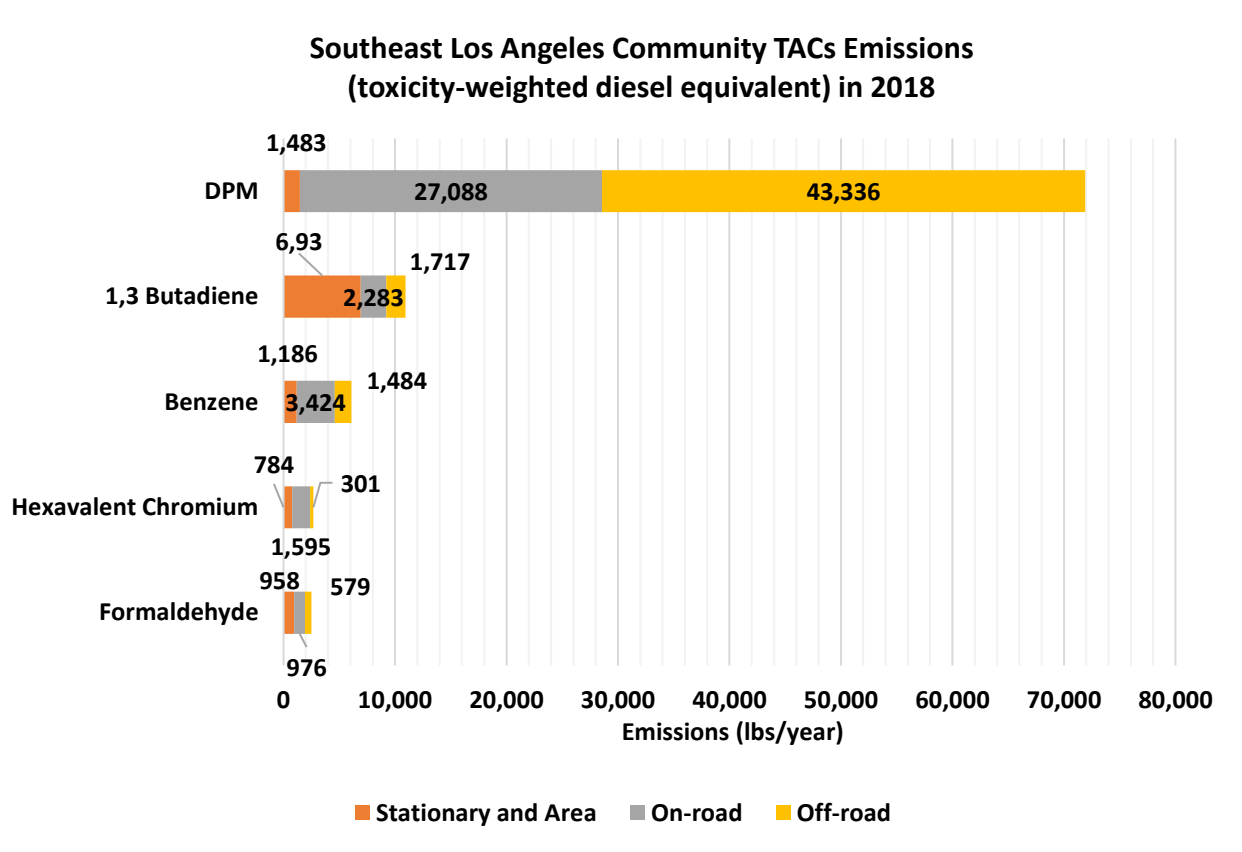


Figure Appendix 3b-2: Contribution of major sources to toxic air contaminant emissions (toxicity-weighted diesel-equivalent, lbs/year) in the Southeast Los Angeles community in 2018.

Stationary sources

Figure Appendix 3b-3 provides the source attribution of VOC and PM_{2.5} emissions from stationary sources in the SELA community in 2018. The largest contribution to VOC emissions is from consumer products. A wide range of industries also contribute significantly to total VOC emissions from stationary sources, with degreasing and surface coating being the second largest source of VOC from stationary sources, and gas stations (petroleum marketing) also being a significant source of VOC emissions.

Emissions of PM_{2.5} in the SELA community originate from a wide range of activities, including commercial cooking, wood and paper industry, fuel combustion in the manufacturing, industrial, residential and commercial sectors, and from a variety of industrial processes.

Figure Appendix 3b-4: Toxic air contaminant emissions from stationary sources in the Southeast Los Angeles community for the year 2018 (toxicity-weighted diesel-equivalent, lbs/year) illustrates the emissions of the major TACs from stationary sources in the community. The emissions of each pollutant is weighted by their corresponding cancer potency relative to Diesel PM. In this community, 1,3-butadiene is the most predominant air toxic from stationary sources, and is primarily emitted from the chemical industry (**Figure Appendix 3b-5**).

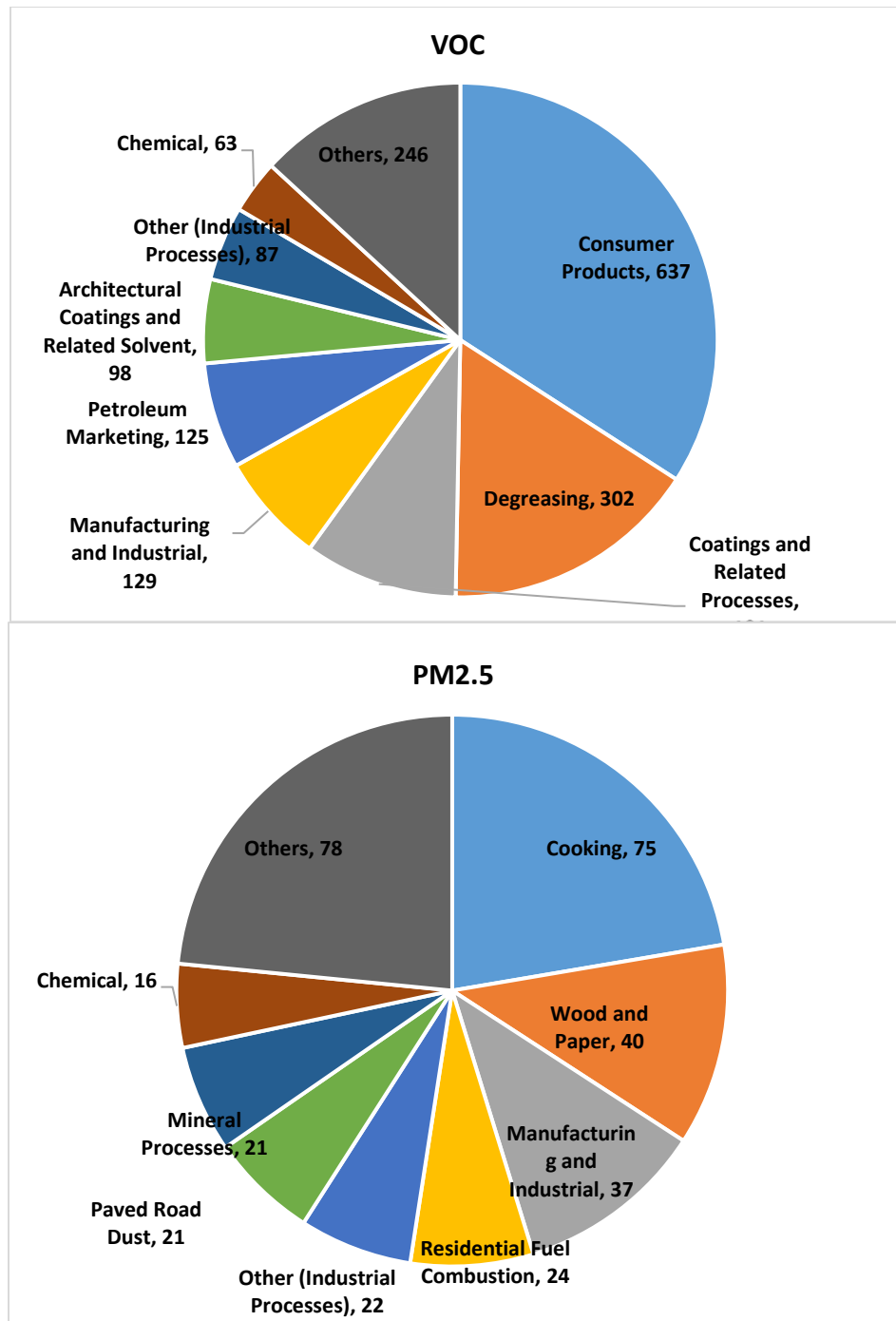


Figure Appendix 3b-3: Source attribution of VOC emissions and PM2.5 emissions from stationary sources in the Southeast Los Angeles community for the year 2018 (Emissions in tons/year)

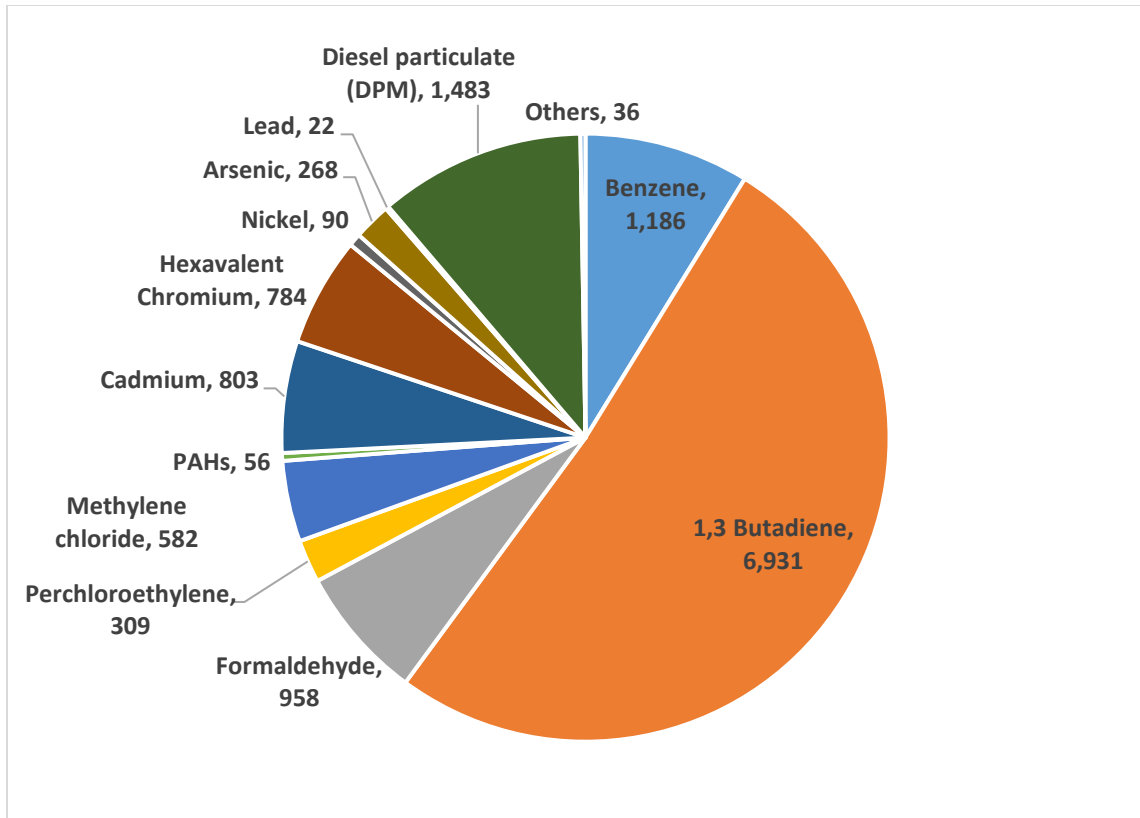


Figure Appendix 3b-4: Toxic air contaminant emissions from stationary sources in the Southeast Los Angeles community for the year 2018 (toxicity-weighted diesel-equivalent, lbs/year)

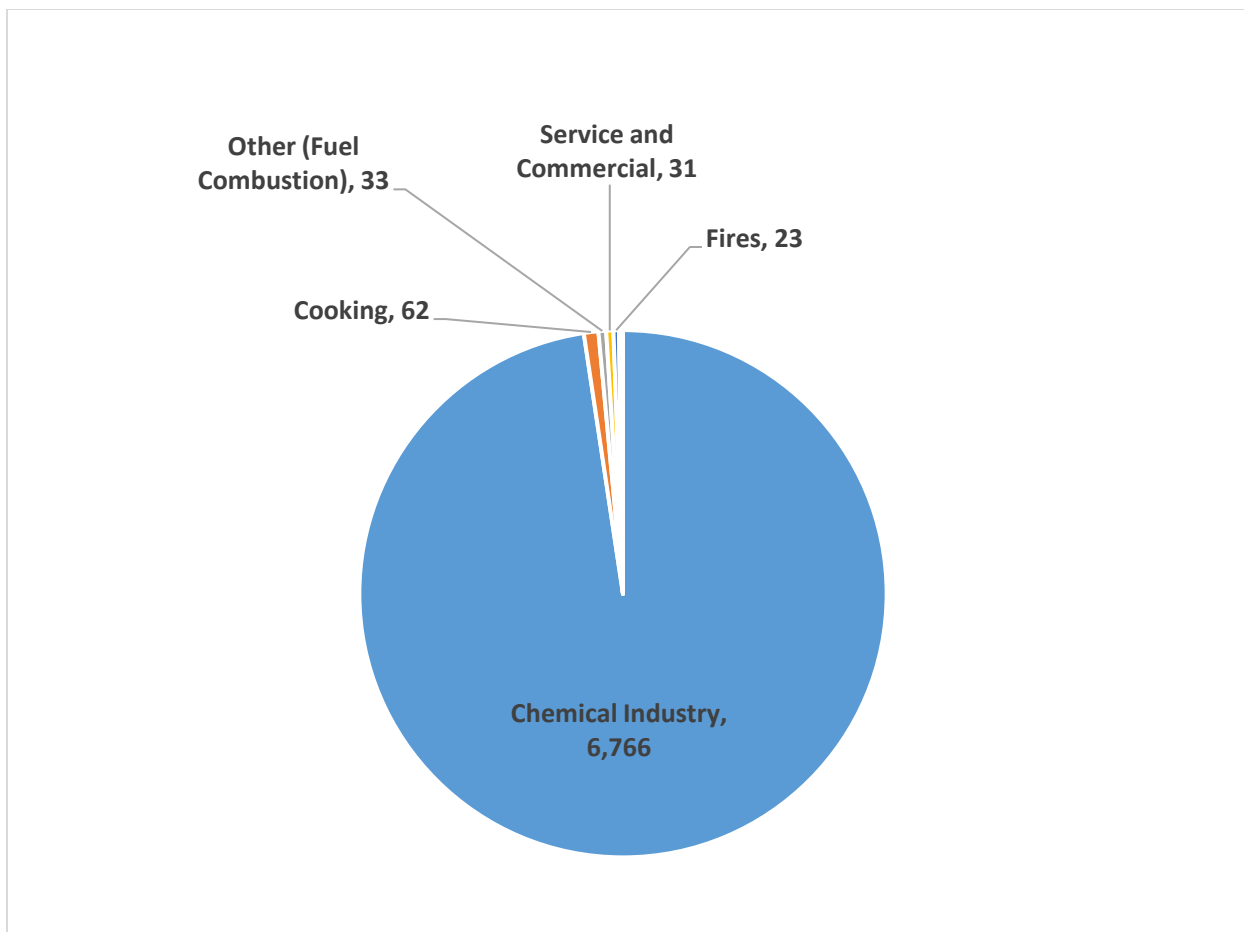


Figure Appendix 3b-5: Source attribution of 1,3-butadiene emissions from stationary sources in the Southeast Los Angeles community for 2018 (toxicity-weighted diesel equivalent, in lbs/year)

On-road mobile sources

In this community, passenger vehicles and light- and medium-duty vehicles contribute the majority of VOC and PM_{2.5} emissions (**Figure Appendix 3b-6**). VOC emissions are mostly from gasoline vehicles⁴, and as a result, passenger cars are the main contributor to VOC emissions because of the large number of vehicles and miles travelled by these types of vehicles. PM_{2.5} emissions from on-road sources are from fuel combustion as well as from tire and brake wear. Light- and medium-duty vehicles are the main contributors to the total emissions of PM_{2.5} because these vehicles travel the most miles within the community. Even though heavy-duty

⁴ Evaporative and running losses contribute to 50% of total gasoline vehicle VOC emissions in Los Angeles County

trucks drive less than 10% of the total vehicle miles travelled in Los Angeles County, heavy-duty trucks contribute to 24% of the total PM_{2.5} emissions from on-road sources⁵.

Toxic emissions from on-road mobile sources are largely dominated by DPM (**Figure Appendix 3b-7**). The largest contributor to DPM emissions are diesel-fueled heavy-duty trucks, and so the largest impacts from on-road mobile sources in the community are concentrated along the main goods movement corridors. Other important contributors to TACs are benzene, 1,3-butadiene and formaldehyde. The source of benzene is from evaporative losses and from the incomplete combustion of gasoline, whereas formaldehyde and 1,3-butadiene emissions are generated from fuel combustion. Hexavalent chromium also contributes to the toxicity of on-road emissions, and it is emitted from brake wear and, to a smaller extent, from fuel combustion. Because of the large contribution of DPM to overall toxicity from on-road emissions, heavy-duty trucks are the main contributor to TACs in this community (**Figure Appendix 3b-8**).

⁵ Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars.

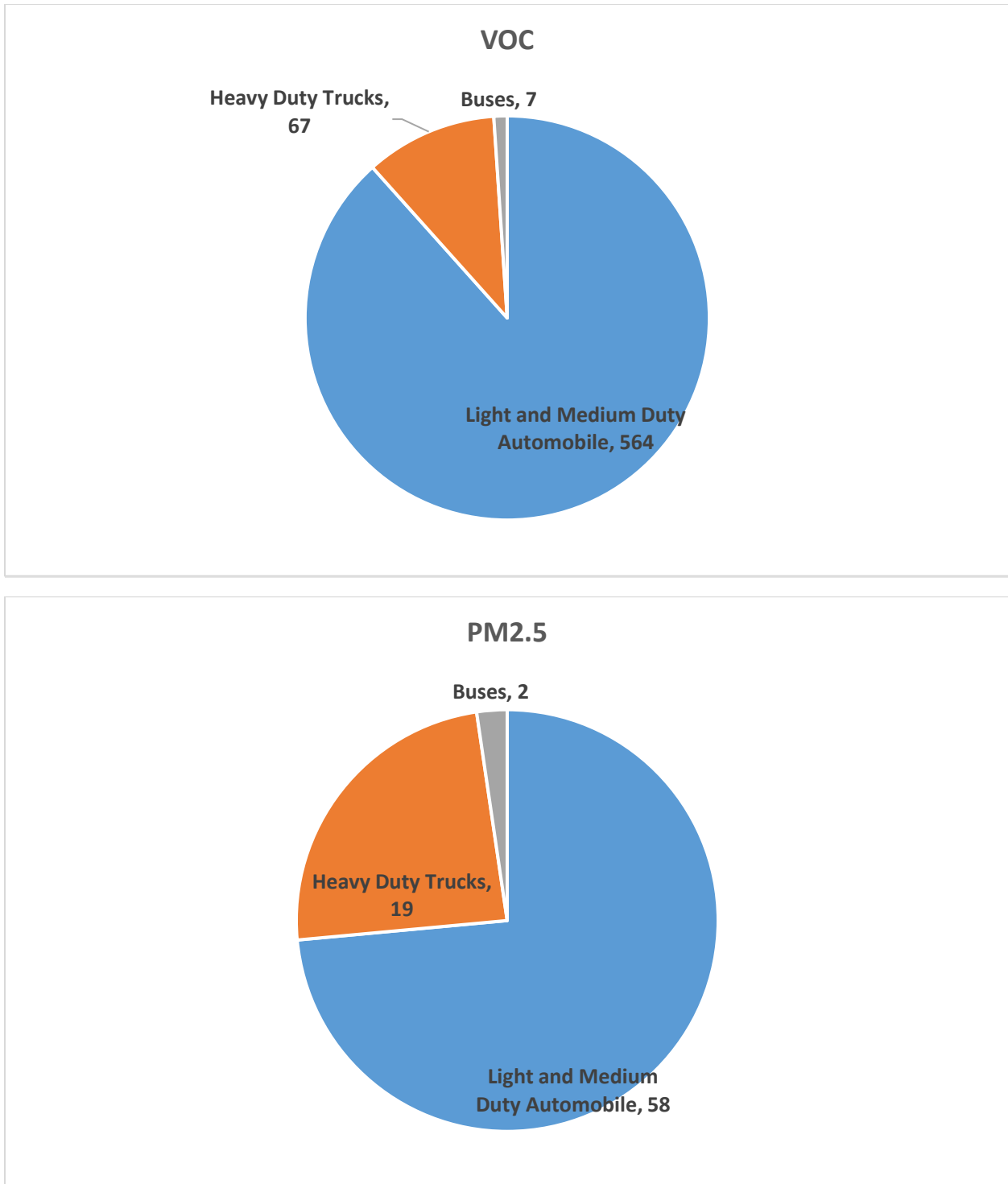


Figure Appendix 3b-6: Source attribution of VOC emissions and PM2.5 emissions from on-road mobile sources in the Southeast Los Angeles community for 2018 (tons/year)

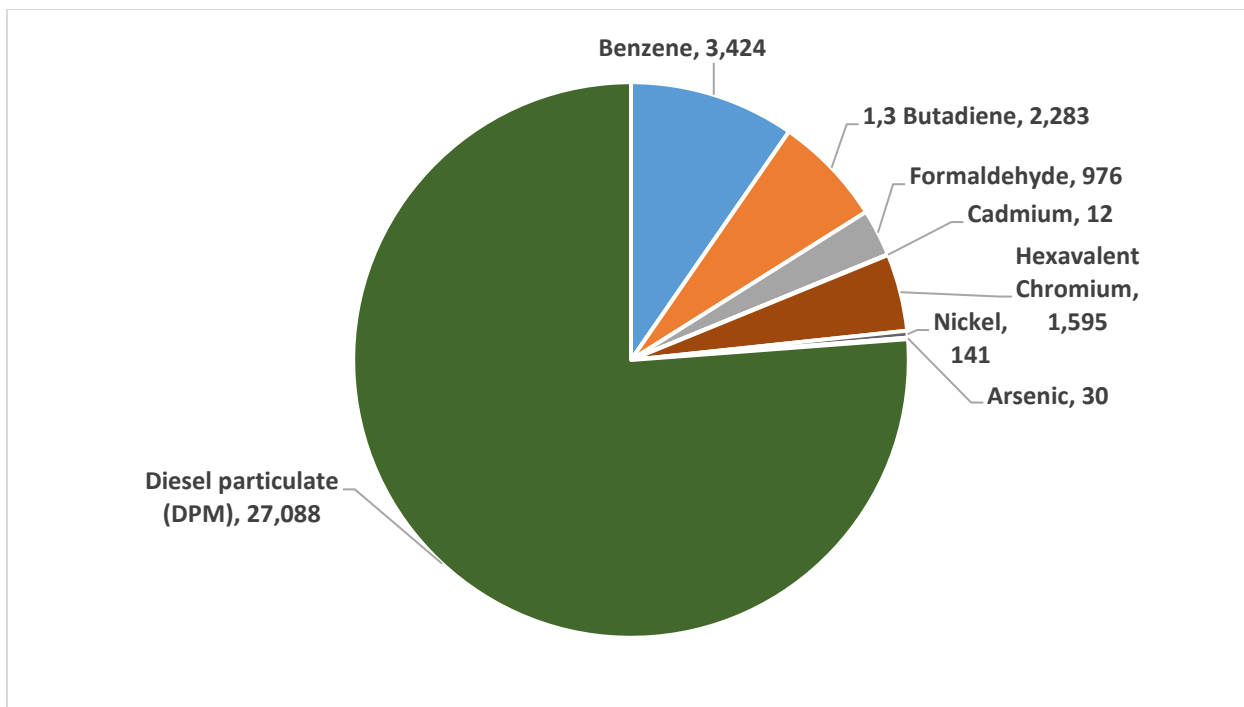


Figure Appendix 3b-7: Toxic air contaminant emissions from on-road mobile sources in the Southeast Los Angeles community for the year 2018 (toxicity-weighted diesel equivalent, in lbs/year)

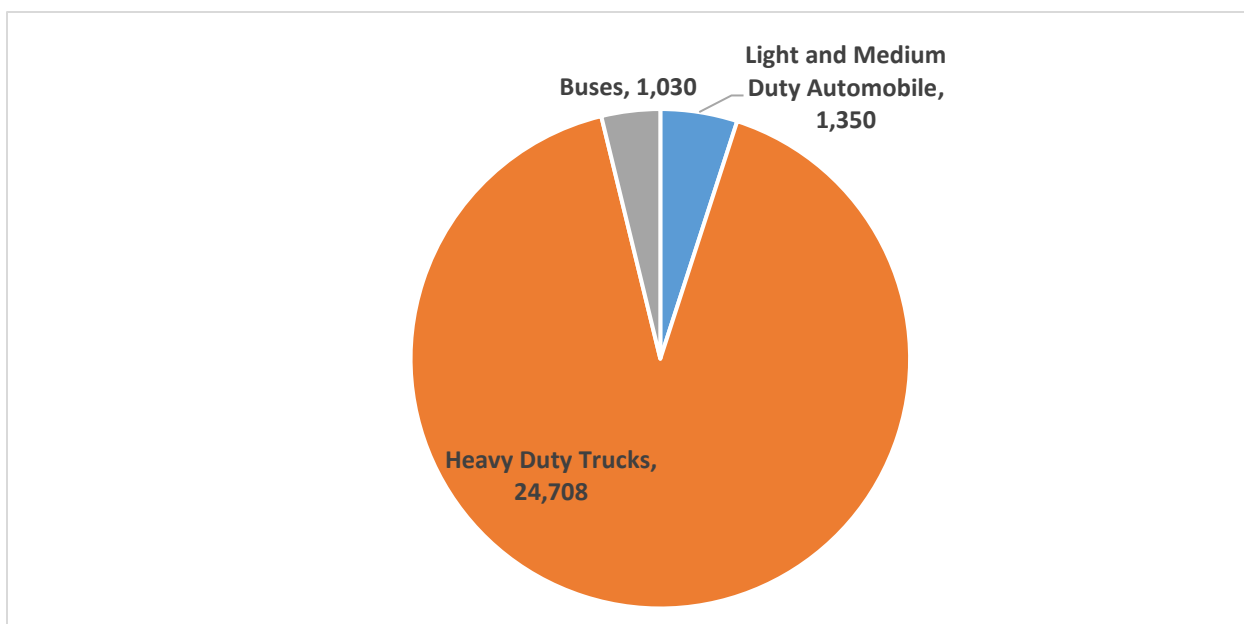


Figure Appendix 3b-8: Source attribution of Diesel PM emissions from on-road mobile sources in the Southeast Los Angeles community for 2018 (lbs/year)

Off-road mobile sources

Figure Appendix 3b-9 presents the major sources of VOC and PM_{2.5} emissions from off-road sources. The largest contributor to total VOC from off-road sources in the community is small off-road equipment. This category includes small off-road spark-ignition engines used in lawn and garden equipment, industrial and commercial utility equipment, and specialty vehicles. Other significant sources of VOC's include evaporative emissions from fuel storage and handling, recreational boats and recreational vehicles, and emissions from trains. Although there is no major waterway or waterbody in the SELA community, boats that are parked in the community still emit pollutants through fuel evaporation.

As in the case of VOC emissions, the largest off-road source contributing to PM_{2.5} emissions include industrial, commercial and construction equipment, transport refrigeration units (TRU) and lawn and garden equipment. The second largest contributor of PM_{2.5} emissions from off-road sources in the community is from trains. There are large railyards within the community boundaries, and some of them are near residential areas.

Figure Appendix 3b-10 presents the contribution of TAC emissions from off-road sources in the SELA community. Diesel PM is the toxic air contaminant that contributes the most to total air toxics cancer risk in the community from off-road sources. The two main sources of DPM are diesel off-road equipment and trains (**Figure Appendix 3b-11**). Off-road equipment encompasses a wide variety of equipment categories (**Figure Appendix 3b-12**). In this community, the largest category is construction and mining equipment, followed by industrial and commercial equipment and TRU. While construction and mining equipment is the name of a defined category used to build off-road mobile source emission inventories, this community does not have significant mining activities. Thus, emissions from this category are primarily from construction equipment.



Figure Appendix 3b-9: Source attribution of VOC emissions and PM2.5 emissions from off-road sources in the Southeast Los Angeles community for the year 2018 (tons/year)

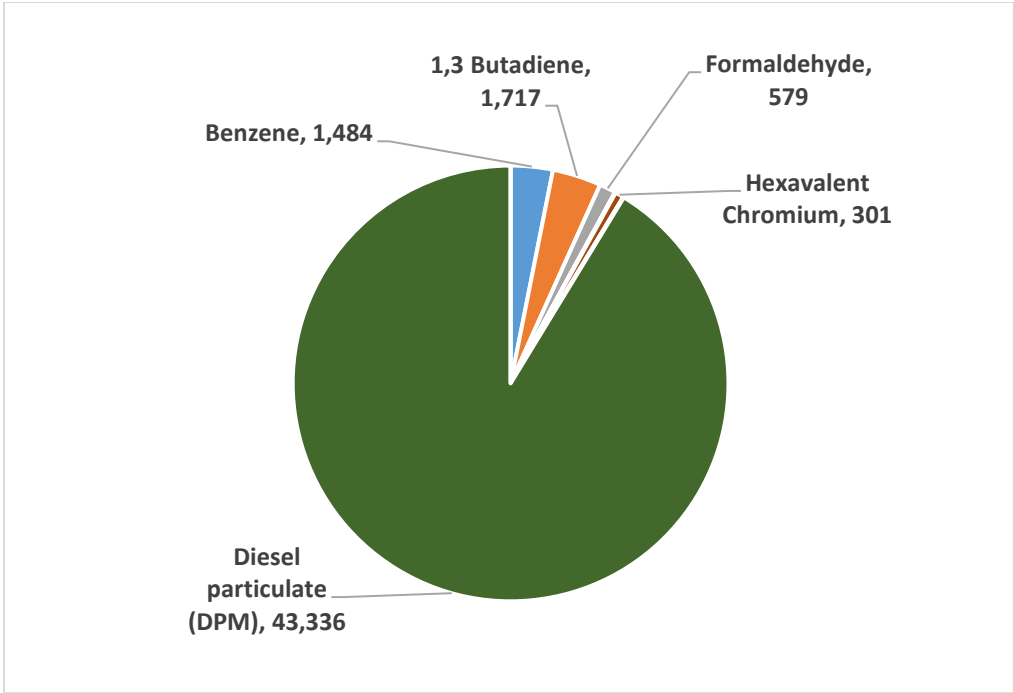


Figure Appendix 3b-10: Toxic air contaminant emissions from off-road sources in the Southeast Los Angeles community for the year 2018 (toxicity-weighted diesel equivalent, in lbs/year)

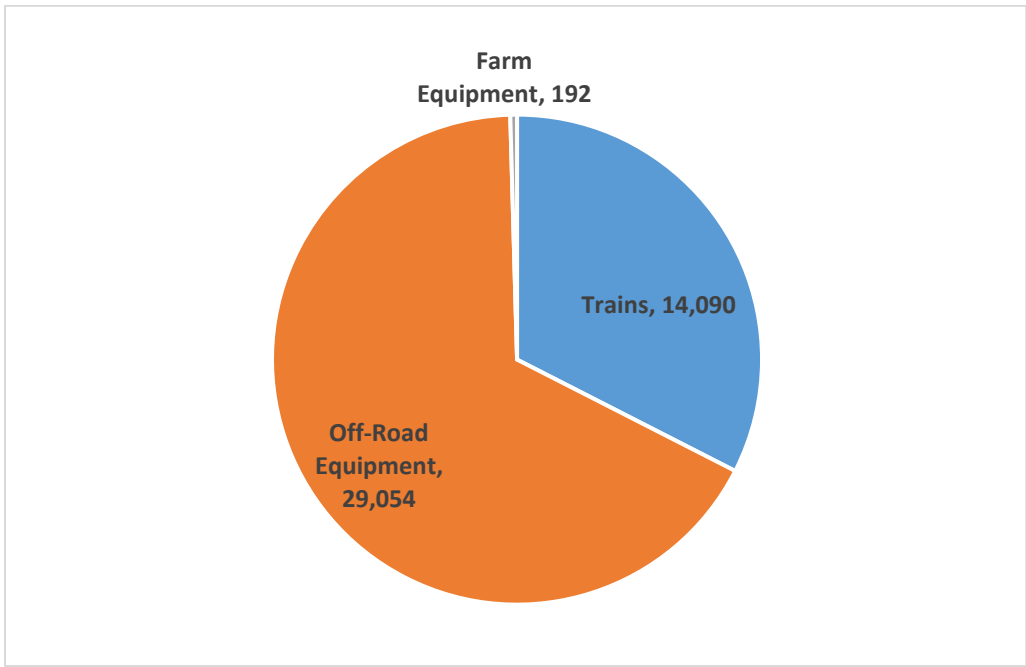


Figure Appendix 3b-11: Source attribution of DPM emissions from off-road sources in the Southeast Los Angeles community for 2018 (weighted by air toxics cancer risk, in lbs/year)

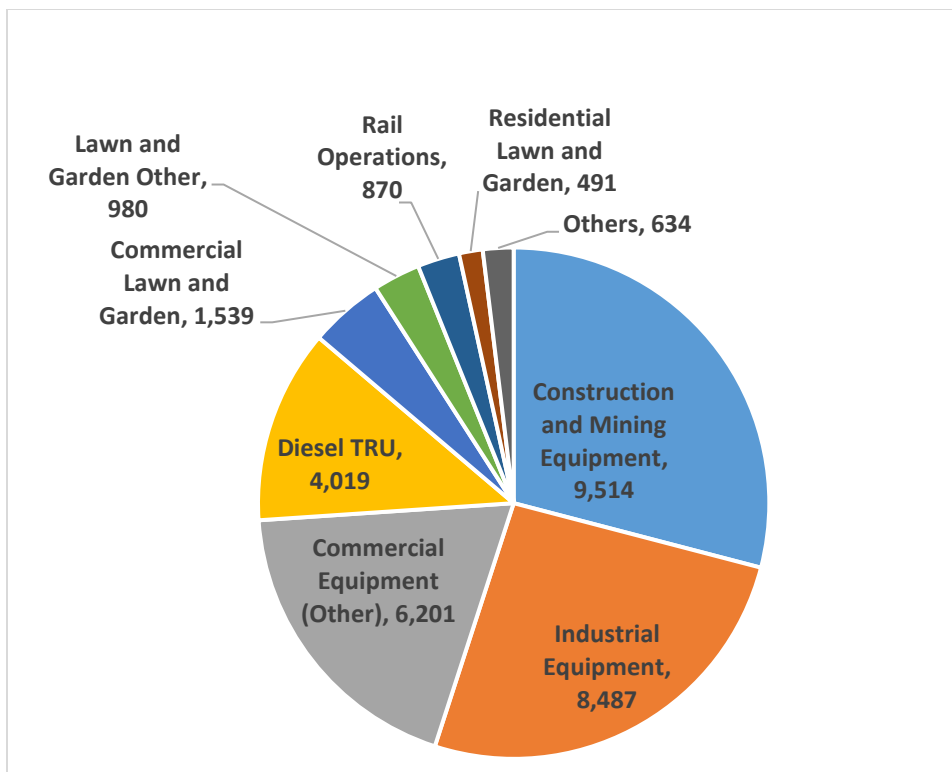


Figure Appendix 3b-12: Contribution of specific equipment categories included in the off-road equipment major source category in Southeast Los Angeles community for 2018 (toxicity-weighted diesel equivalent, in lbs/year)

Future year emissions inventory and source attribution

Trends of emission changes for CAPs and TACs

Future emissions of CAPs and TACs in the SELA community were projected using the best available information for population growth, economic growth and emission adjustments reflecting the ongoing implementation of existing regulations targeting specific air pollutants. The community includes a variety of facilities subject to toxics rules. On-road DPM emissions from heavy-duty diesel vehicles in this community will be subject to California Air Resources Board's Truck and Bus Regulation implemented after 2018. Off-road diesel equipment is also subject to state regulations that will reduce DPM and NO_x emissions. South Coast AQMD has also developed various regulations to reduce NO_x and VOC emissions since the adoption of the 2016 AQMP in March 2017. However, control factors for those newer regulations are currently under development and not reflected in the current inventory. The cutoff date for stationary NO_x and VOC adopted rules, for the purpose of these emissions projections, was December 2015.

Figure Appendix 3b-13 presents the projected trend in major CAPs emissions (NO_x, VOC and PM_{2.5}) in the SELA community from 2018 to the two milestone years, 2025 and 2030. NO_x

emissions in the community are expected to decrease substantially between 2018 and 2030, due to the existing regulations for mobile sources and the emission reduction commitments under the RECLAIM program. VOC emissions are also expected to decrease between the years 2018 and 2030, mostly due to cleaner vehicle emissions. Unlike NO_x and VOC emissions, PM_{2.5} emissions remain virtually unchanged, with less than 1% change during the period from 2018 to 2030, reflecting that growth in population and economic activity outweighing benefits from regulations.

Trends for TAC emissions are shown in **Figure Appendix 3b-14**. Diesel PM continues to dominate the TAC emission inventory in future years, despite a significant reduction in DPM from heavy-duty trucks. DPM emissions are projected to decrease by 65% from 2018 through 2030. The second largest contributor to air toxics is 1,3-butadiene, with emissions increasing slightly due to slight increases in plastic production partially offset by reductions in emissions from vehicles. Benzene and formaldehyde emissions are projected to decrease throughout the 12-year period due to decreases in the emissions from vehicles, whereas emissions of toxic metals (i.e., cadmium, nickel, arsenic and lead) experience small variability due to changes in industrial activities. Hexavalent chromium emissions are projected to decrease from 2018 to 2030 due to decreases in vehicle emissions that is partially offset by a slight increase in industrial activity.

Many of the South Coast AQMD regulations addressing toxic metal pollution emissions from industrial facilities (e.g., South Coast AQMD Rule 1407 and Rule 1469) include requirements that reduce fugitive emissions and local air quality impacts from these facilities. Fugitive emissions often account for most of the toxic metal emissions from a facility. Unfortunately, the methods available to create an emissions inventory are not able to reflect fugitive emissions from these facilities. Therefore, while the inventory may not show an overall decrease in toxic metal emissions, the regulations result in overall decreased emissions due to measures that reduce fugitive emissions.

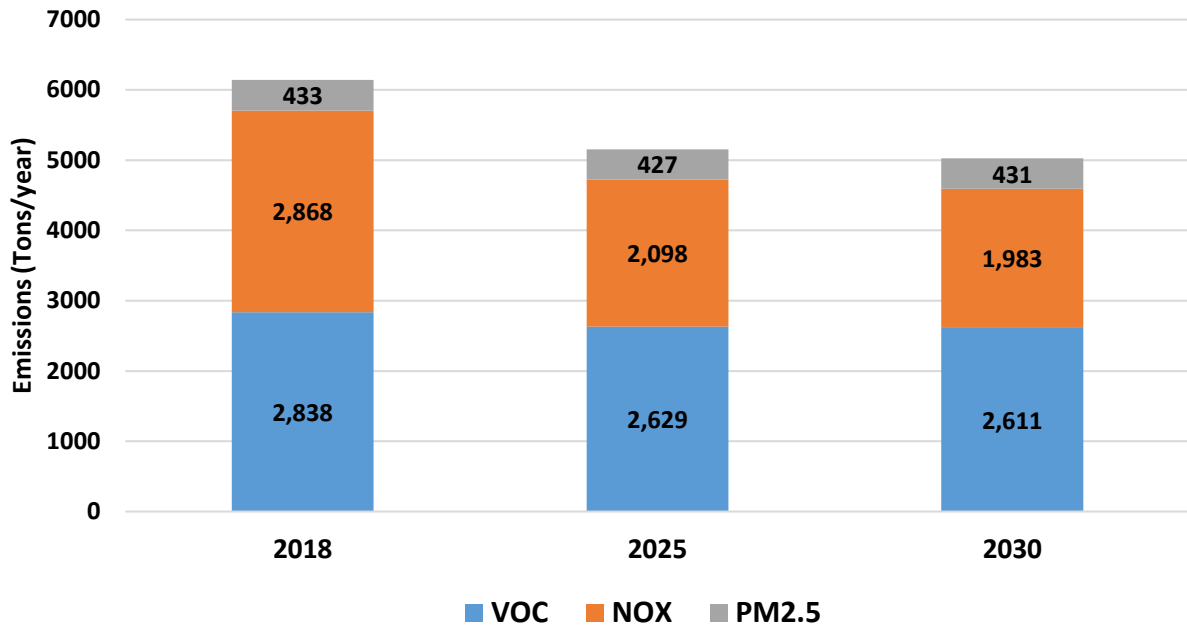


Figure Appendix 3b-13: The community total emission trends for NOx, VOC & PM2.5 (tons/year) for the years 2018, 2025 and 2030

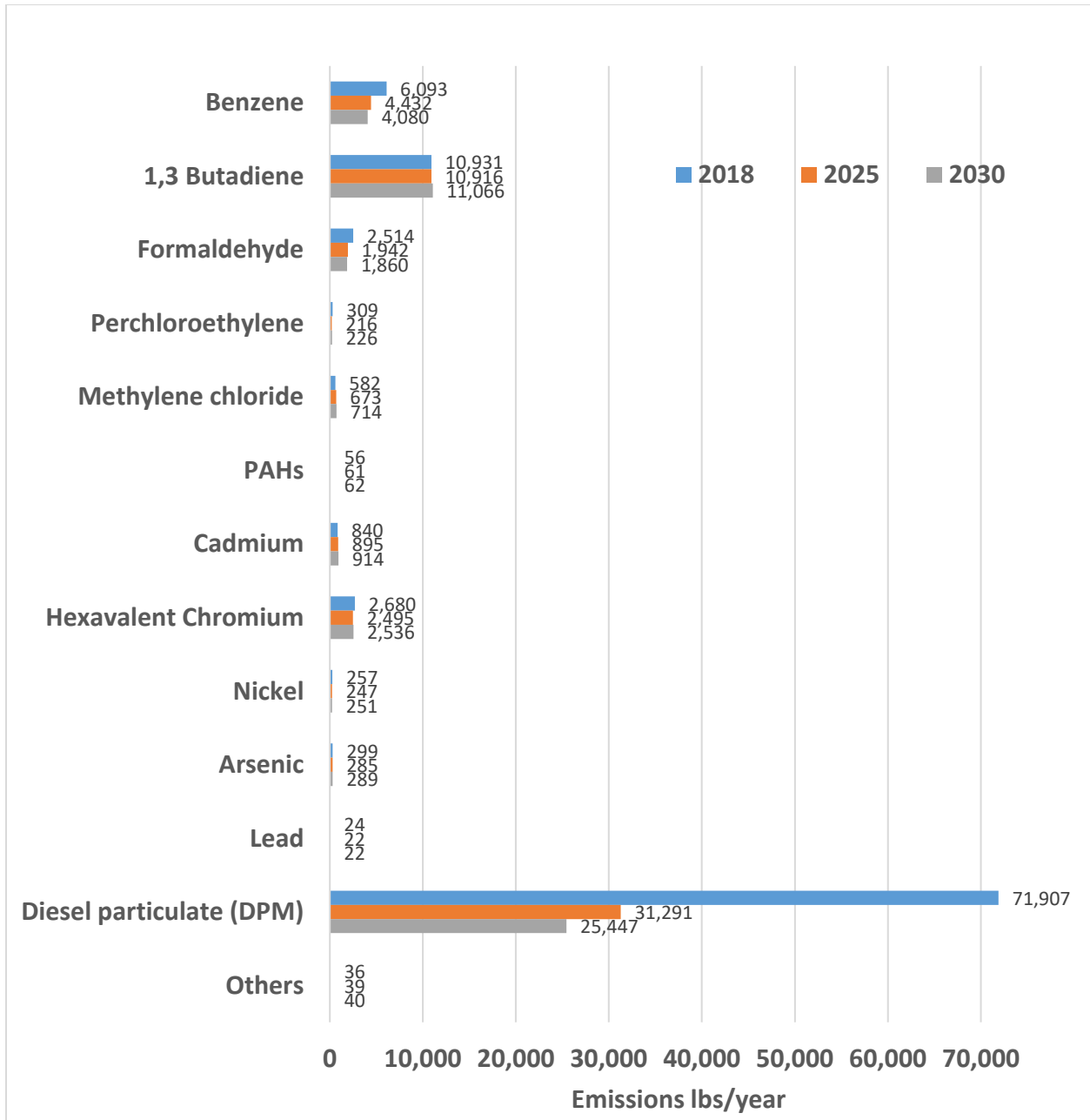


Figure Appendix 3b-14: Total emission trends for toxic air contaminants in Southeast Los Angeles (toxicity-weighted diesel-equivalent emissions, lbs/year) for the years 2018, 2025 and 2030

Figure 3b-15 presents the cumulative TAC emissions by the major categories for the three years of interest. The overall toxicity-weighted emissions are projected to decrease between 2018 and 2030. In particular, diesel heavy-duty trucks and off-road equipment are projected to decrease substantially over the 12-year period, driving down the overall TAC emissions.

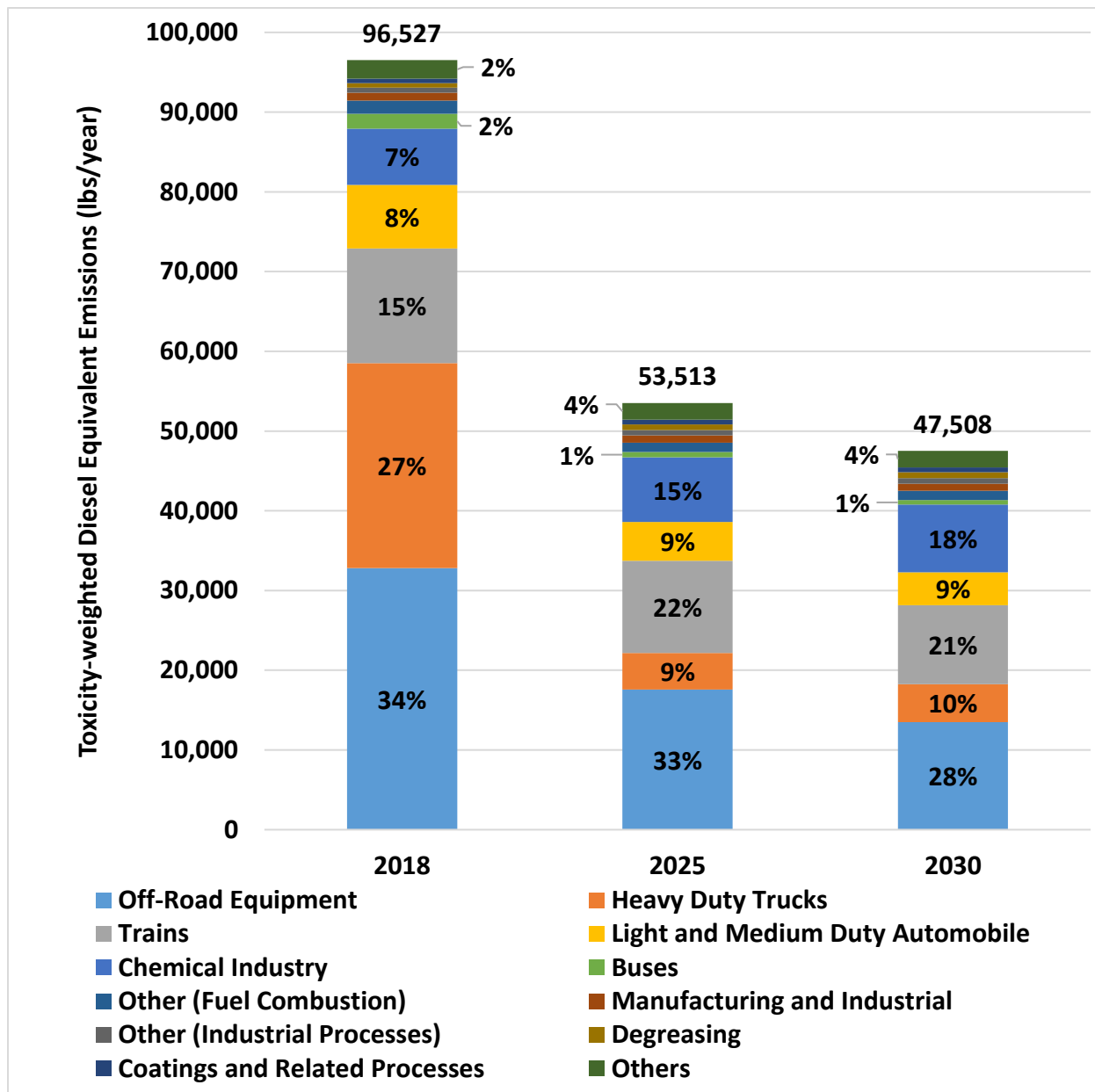


Figure 3b-15: Toxic air contaminant emissions from all sources in the Southeast Los Angeles community, shown by major categories (cancer potency-weighted diesel equivalent emissions, lbs/year)

Stationary Sources

Community-level emissions of NO_x, VOC and PM_{2.5} from stationary sources are presented in **Figure Appendix 3b-16** for the years 2018, 2025 and 2030. NO_x emissions are expected to decline from 2018 to 2025, primarily due to emission reductions from RECLAIM facilities.^{vi} VOC and PM_{2.5} emissions are expected to grow gradually due to growth in population and in economic and industrial activities.

1,3-butadiene is the largest contributor to total toxic emissions from stationary sources (**Figure Appendix 3b-17**), and 1,3-butadiene emissions are expected to grow from 2018 to 2030 due to projected industrial activity growth during the same period. The major source for 1,3-butadiene emissions is from plastic production from the chemical industry. Inventory-based emissions of other TACs that are primarily emitted from industrial activities (i.e., cadmium, hexavalent chromium, and nickel) are also expected to increase due to industrial growth. However, they are difficult to quantify and thus not reported to South Coast AQMD and are estimated for regulatory efforts. As such, reductions from fugitive emissions as a result of South Coast AQMD's regulatory efforts are not accounted for in the analysis. Emissions of methylene chloride are expected to increase due to increase in degreasing activity and consumer products uses, whereas benzene, DPM, and perchloroethylene emissions are expected to decline due to on-going regulations.

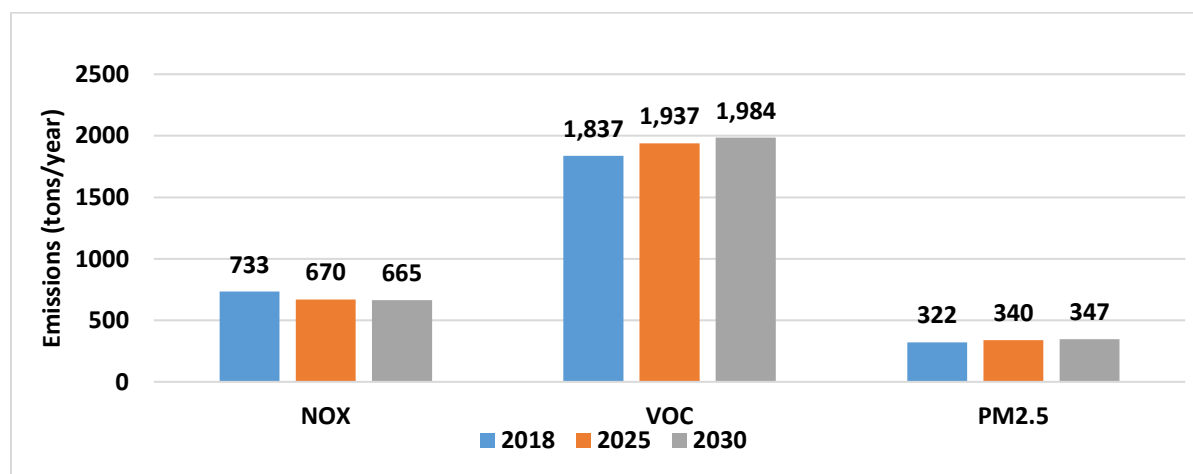


Figure Appendix 3b-16: Trends in NO_x, VOC and PM_{2.5} emissions from stationary sources in the Southeast Los Angeles community. Emissions are presented in tons per year

^{vi} NO_x RECLAIM is an emission cap-and-trade program that includes larger stationary sources located in the Basin. The current regulation, Rule 2002 requires 12 tons per year of NO_x emission reductions from 2016 to 2022. In addition, the 2016 AQMP includes a control measure to target an additional 5 tons per year of NO_x reduction from the RECLAIM facilities by 2025. The rulemaking to achieve additional 5 TPD NO_x is still ongoing and will be reflected on the inventory when it is finalized.

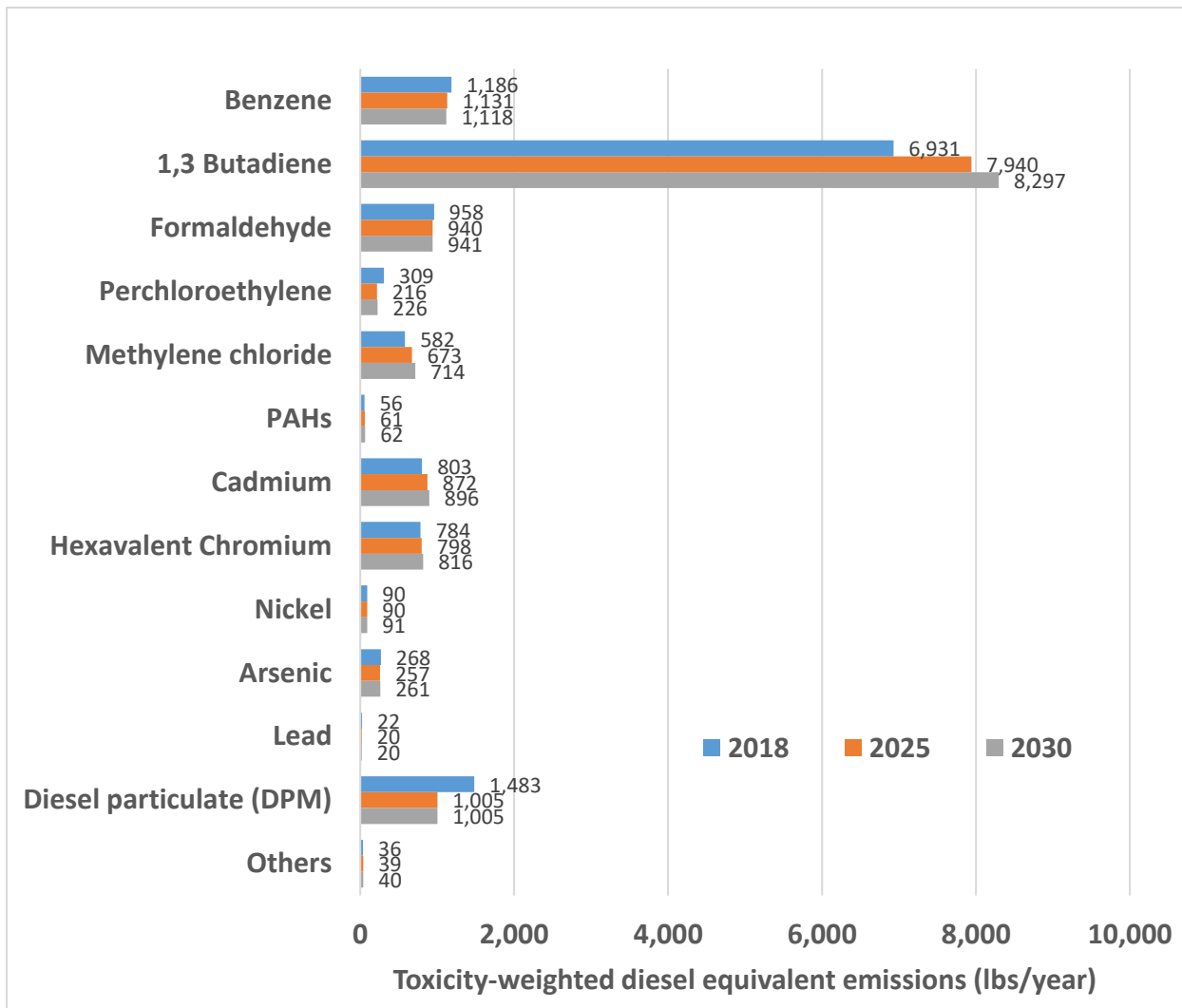


Figure Appendix 3b-17: Trends in toxic air contaminant emissions (toxicity-weighted diesel-equivalent, lbs/year) from stationary sources in the Southeast Los Angeles community

On-road mobile sources

Trends for on-road emissions are presented in **Figure Appendix 3b-18**. On-road emissions are expected to decline significantly from 2018 to 2025, due to turnover to cleaner vehicles for both light-duty vehicles and heavy-duty trucks. Vehicle emissions decrease from 2018 to 2030 despite the projected increase in vehicle activity, i.e. vehicle-miles traveled (VMT).

VOC emissions are expected to decline for all vehicle types except for motorcycles, for which emissions are projected to grow steadily from 2018 to 2030. PM2.5 emissions are expected to decline for all vehicle types from 2018 to 2025. After 2025, the effect of vehicle regulations on light-, medium- and heavy-duty trucks is offset by growth in numbers and VMT. Tire and brake wear, the major source of PM2.5 vehicle emissions, are proportional to VMT, which increases with time due to population and economic growth in the area. Emissions of PM2.5 from heavy-duty trucks are expected to increase slightly, offsetting passenger vehicle PM2.5 emission reductions. As a result, overall PM2.5 emissions from vehicles are projected to remain the same from 2025 to 2030.

Figure Appendix 3b-19 presents the trends in emissions of toxic air contaminants from on-road mobile sources, with emissions weighted based on their cancer potency relative to DPM. In 2018, DPM is the pollutant contributing most to cancer risk, followed by benzene, 1,3-butadiene and hexavalent chromium. However, regulations for heavy-duty diesel trucks are projected to reduce the DPM emissions drastically beginning in 2018 through 2025. Beyond 2025, DPM emission reductions are anticipated to slow down due to increased vehicle activity; however, the DPM emissions in 2030 are projected to still be 83% lower than in 2018. Benzene, formaldehyde, and 1,3-butadiene emissions are projected to decline due to reductions in evaporative and exhaust emissions from vehicles. Hexavalent chromium emissions are also expected to decline.

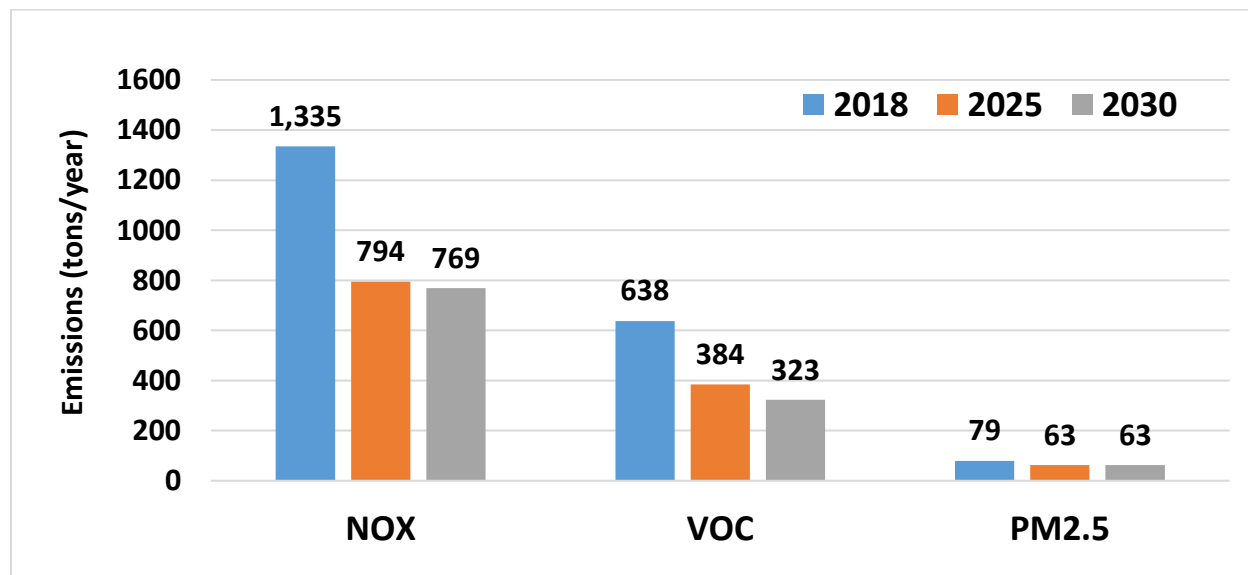


Figure Appendix 3b-18: Trends in NOx, VOC and PM2.5 emissions from on-road mobile sources in the Southeast Los Angeles community. Emission values in tons per year

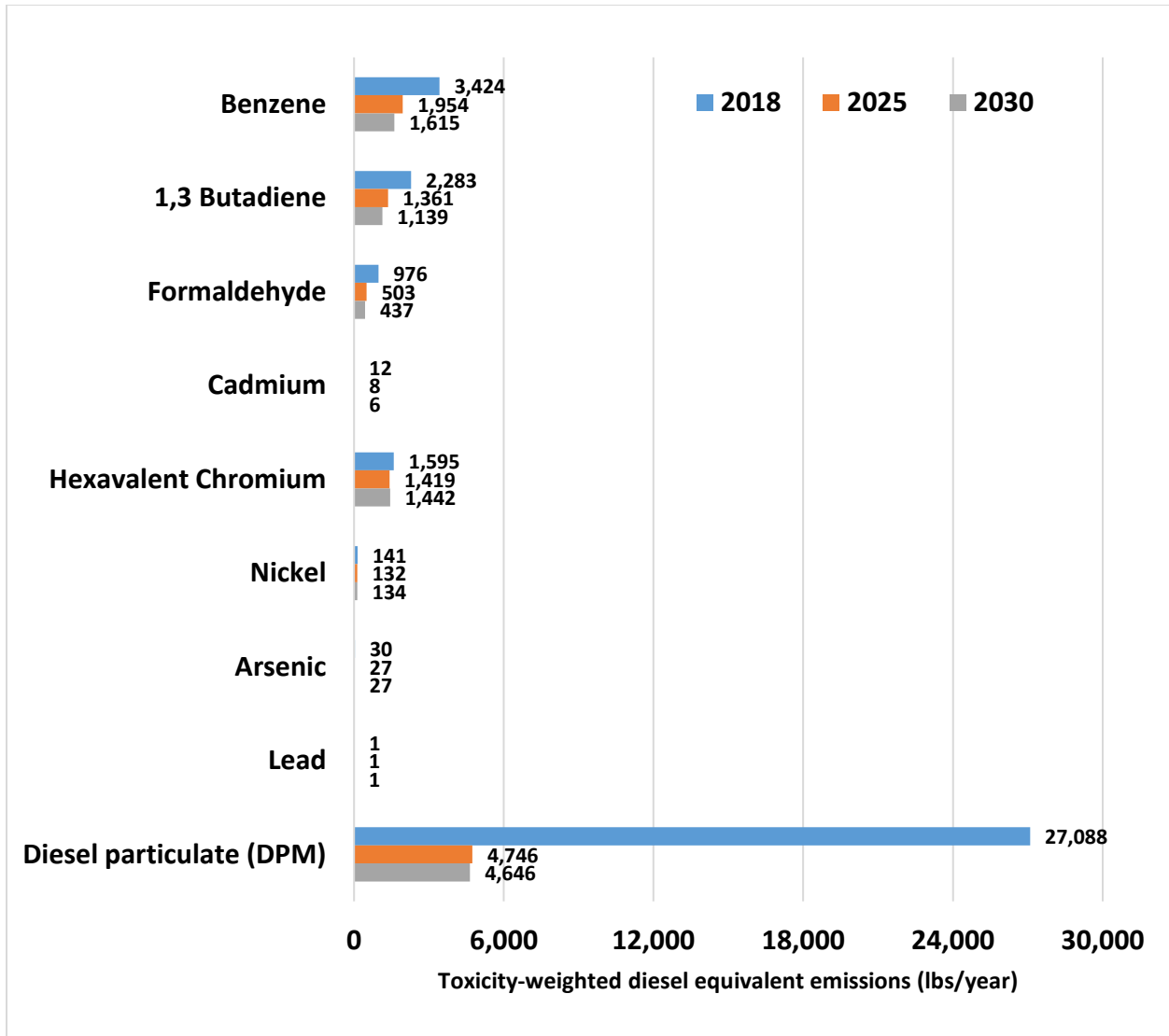


Figure Appendix 3b-19: Trends in toxic air contaminant emissions (toxicity-weighted diesel-equivalent, lbs/year) from on-road sources in Southeast Los Angeles

Off-road mobile sources

Trends in emissions of NO_x, VOC, and PM_{2.5} from off-road mobile sources in the community are presented in **Figure Appendix 3b-20**. All three pollutants are projected to decline steadily from 2018 to 2030. In general, emissions are expected to decline due to emission reductions from trains and industrial off-road equipment, due to turnover of older equipment to newer, cleaner equipment. Reductions in evaporative emissions from gasoline off-road equipment, fuel storage handling and recreational vehicles drive the overall VOC reductions in the community.

Trends in toxic air contaminant emissions are presented in **Figure Appendix 3b-21**. Emissions from off-road mobile sources in this community are dominated by diesel emissions from trains and heavy industrial and construction off-road equipment. Off-road equipment regulations and turnover to cleaner and more fuel-efficient locomotives reduce the overall TACs in the community.

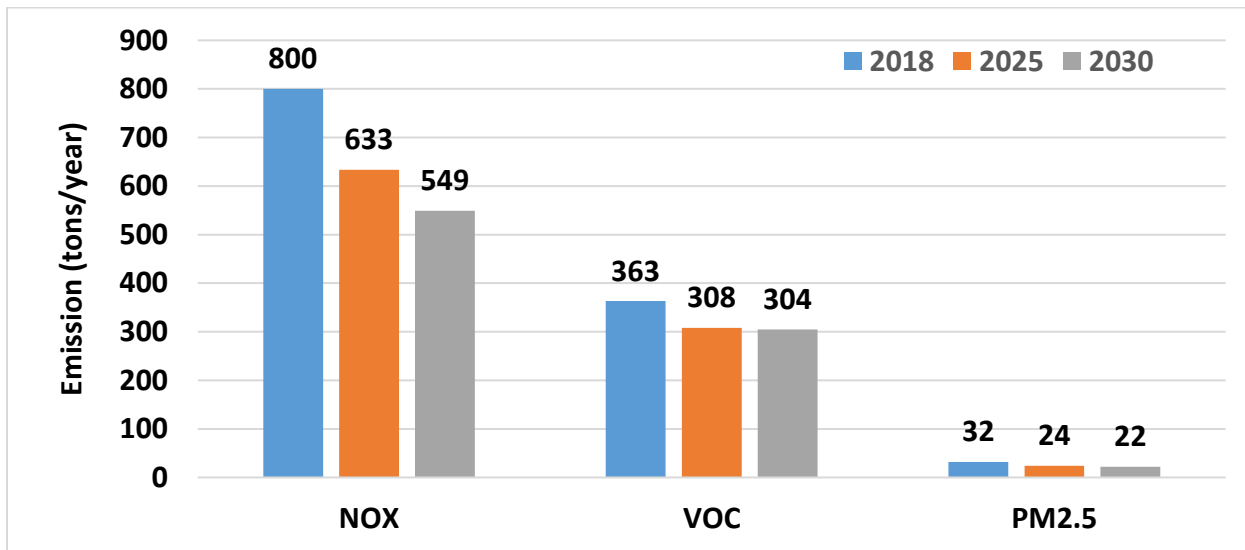


Figure Appendix 3b-20: Trends in NOx, VOC and PM2.5 emissions from off-road mobile sources in the Southeast Los Angeles community. Emission values in tons per year

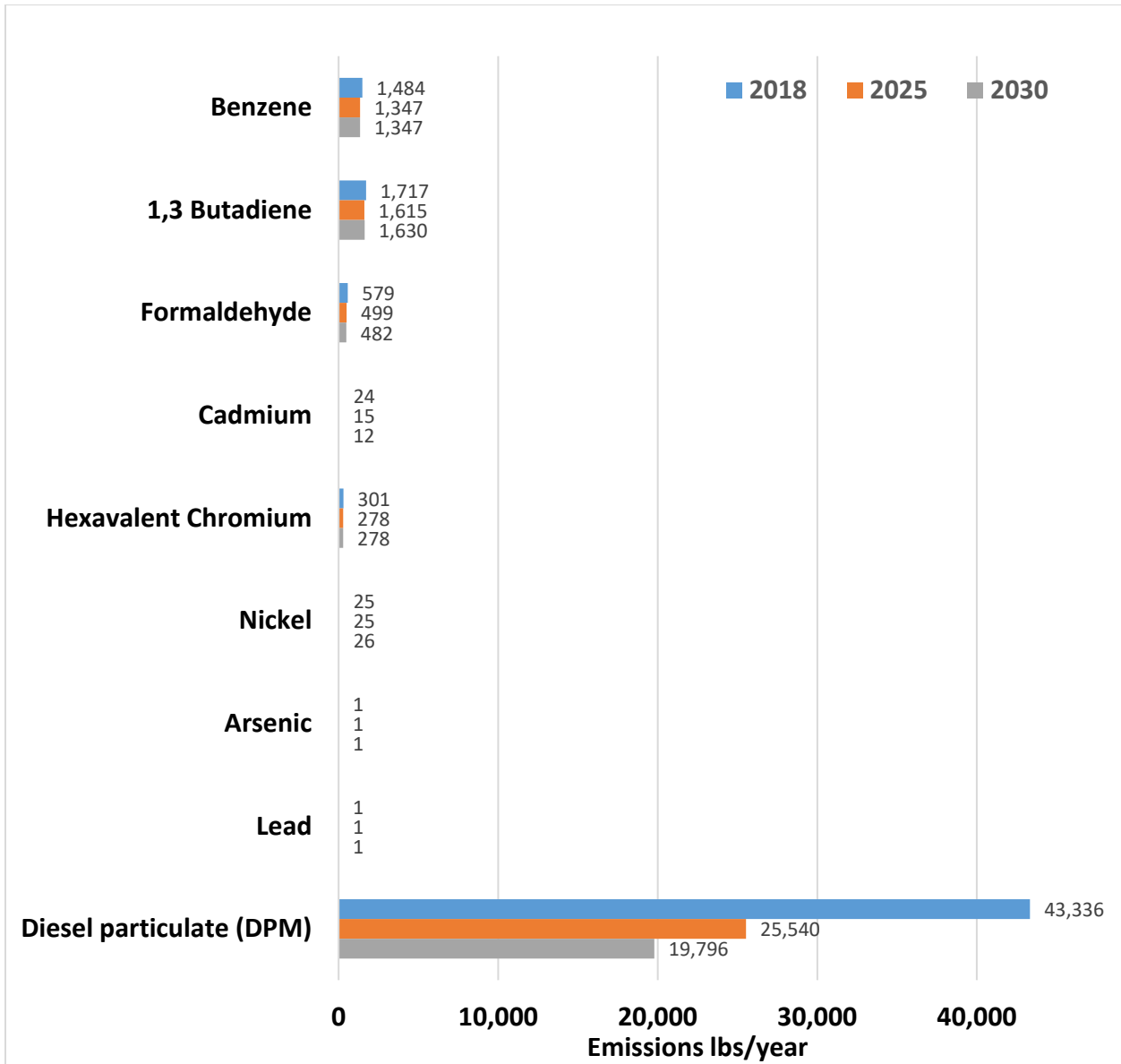


Figure Appendix 3b-21: Trends in toxic air contaminant emissions (toxicity-weighted diesel-equivalent, lbs/year) from off-road sources in Southeast Los Angeles community

Summary

The main sources of air pollutant emissions in the SELA community are on-road vehicles, trains, off-road equipment and industrial activities.

NO_x emissions in this community are dominated by mobile sources – both on-road and off-road – which account for 75% of the total emissions in 2018. Heavy-duty truck traffic, trains, and off-road equipment are the largest sources for NO_x. Stationary sources contribute to 25% of NO_x emissions in this community, mostly from fuel combustion in the residential, commercial, and industrial sectors.

VOC emissions are dominated by area sources, with consumer products being the largest source category. Passenger vehicles and off-road equipment, such as lawn mowers and other small gasoline engines, are the largest contributors to VOC emissions from on-road and off-road sources, respectively.

Unlike NO_x and VOC, sources of PM_{2.5} emissions span a wide variety of activity sectors, which include commercial cooking, light and medium automobiles, wood and paper industries, fuel combustion and off-road equipment.

Toxic air contaminants (TACs) emissions in the SELA community are dominated by diesel particulate matter (DPM) from diesel exhaust. DPM is emitted from heavy-duty trucks, trains, and industrial off-road equipment. 1,3-butadiene is the second largest component of TACs based on cancer-weighted emissions, and the major source is plastic production. Other significant TAC species includes benzene and formaldehyde, which are mostly emitted from mobile sources.

Future NO_x emissions in the community are expected to decrease due to the existing regulations on mobile sources and the emission reduction commitments for major stationary source facilities. VOC emissions are also expected to decline, although they will decline more slowly compared to NO_x reductions. Emissions of DPM from heavy-duty trucks are also expected to decrease substantially because of CARB's Truck and Bus Regulation. CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation will also contribute to reducing DPM. Emissions of 1,3-butadiene from stationary sources are expected to increase slightly in the future years, due to increased industrial activity. However, in future years, DPM continues to be the main contributor to air toxics cancer risk in this community.

2018 Annual Average Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	56.23	5.23	0.00	16.24	0.56	14.50	14.41	14.38	17.70	0.00
20	Cogeneration	0.50	0.47	0.25	2.71	0.00	0.41	0.28	0.17	5.58	0.00
30	Oil and Gas Production (combustion)	0.06	0.01	0.14	0.08	0.00	0.00	0.00	0.00	0.03	0.00
40	Petroleum Refining (Combustion)	1.12	0.33	0.00	0.78	0.00	0.41	0.41	0.41	0.00	0.00
50	Manufacturing and Industrial	853.62	127.74	321.54	454.66	5.65	36.79	36.16	35.65	54.96	5.17
52	Food and Agricultural Processing	6.74	3.02	4.65	38.55	0.31	3.88	3.88	3.88	4.29	0.00
60	Service and Commercial	46.02	19.70	41.55	62.54	2.12	4.42	4.41	4.41	17.14	0.70
99	Other (Fuel Combustion)	39.77	10.09	90.40	34.54	0.37	5.75	5.49	5.14	3.84	0.99
Total Fuel Combustion		1004.06	166.59	458.53	610.10	9.01	66.16	65.04	64.04	103.54	6.86
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	12.21	2.06	60.84	14.62	5.58	8.96	4.68	4.06	6.34	1.03
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	26.86	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00
Total Waste Disposal		39.07	4.22	60.84	14.62	5.58	8.96	4.68	4.06	6.76	1.03
Cleaning and Surface Coatings											
210	Laundering	18.26	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	1528.67	296.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	172.39	167.73	0.28	0.08	0.00	14.47	13.89	13.38	1.80	0.00
240	Printing	15.11	15.11	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00
250	Adhesives and Sealants	62.41	54.46	0.00	0.00	0.00	0.04	0.04	0.04	0.00	0.00
299	Other (Cleaning and Surface Coatings)	28.66	22.31	1.22	1.23	0.02	0.26	0.25	0.25	0.10	0.00
Total Cleaning and Surface Coatings		1825.50	557.05	1.50	1.31	0.02	14.77	14.18	13.67	2.07	0.00
Petroleum Production and Marketing											
310	Oil and Gas Production	4.44	1.89	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	8.11	6.27	0.00	0.00	0.00	6.56	4.16	3.40	0.00	0.02
330	Petroleum Marketing	161.82	124.60	0.47	0.13	0.00	1.37	0.97	0.59	0.01	0.00
399	Other (Petroleum Production and Marketing)	0.76	0.68	0.41	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		175.13	133.44	0.88	0.23	0.06	7.93	5.13	3.99	0.01	0.02
Industrial Processes											
410	Chemical	88.06	62.66	0.00	0.00	0.00	19.33	17.01	16.34	2.73	0.52
420	Food and Agriculture	10.26	7.83	0.00	2.27	0.00	1.40	0.67	0.42	0.00	0.00
430	Mineral Processes	12.52	11.58	0.58	19.22	0.04	40.28	27.67	17.43	4.09	56.24
440	Metal Processes	2.13	2.11	0.00	0.00	0.00	10.15	8.83	7.63	0.00	117.27
450	Wood and Paper	12.30	12.30	0.00	0.00	0.00	93.71	65.36	39.53	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.12	0.08	0.05	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	92.77	86.12	0.01	0.31	0.00	31.43	24.05	19.23	283.85	0.03
Total Industrial Processes		218.04	182.60	0.59	21.80	0.04	196.42	143.67	100.63	290.67	174.06
Solvent Evaporation											
510	Consumer Products	772.96	637.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	104.48	98.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	5.94	5.94	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00
540	Asphalt Paving/Roofing	2.91	2.60	0.00	0.00	0.00	0.09	0.09	0.08	0.00	0.00
Total Solvent Evaporation		886.29	744.44	0.00	0.00	0.00	0.09	0.09	0.08	1.21	0.00

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

(Continued)

2018 Annual Average Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	65.24	28.44	70.03	163.74	1.84	25.83	24.68	24.05	0.38	1.52
620	Farming Operations	1.68	0.13	0.00	0.00	0.00	0.82	0.37	0.06	0.45	0.10
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	267.25	130.68	13.10	0.00	297.71
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	305.45	139.59	21.08	0.00	75.75
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.01	0.60	0.06	0.00	0.26
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.03
660	Fires	2.26	1.55	0.56	23.06	0.00	2.49	2.44	2.29	0.00	0.22
670	Waste Burning and Disposal	0.08	0.05	0.02	0.52	0.00	0.07	0.07	0.07	0.01	0.00
690	Cooking	26.77	18.71	0.00	0.00	3.27	74.99	74.78	74.59	0.00	19.42
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	216.75	0.00
	RECLAIM			140.42		66.31					
Total Miscellaneous Processes		96.03	48.88	211.03	187.32	71.42	677.93	373.22	135.30	217.59	395.01
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	244.00	218.70	173.98	2421.13	5.29	81.61	79.86	33.98	42.74	14.62
722	Light Duty Trucks 1 (T1)	53.88	48.59	37.40	409.48	0.53	7.22	7.04	3.14	4.53	1.51
723	Light Duty Trucks 2 (T2)	138.11	123.96	129.60	1270.58	2.54	29.97	29.32	12.49	23.09	5.50
724	Medium Duty Trucks (T3)	112.67	100.75	106.77	1022.66	1.93	18.96	18.54	7.97	21.92	3.61
732	Light Heavy Duty Gas Trucks 1 (T4)	17.97	16.94	13.98	64.51	0.22	2.27	2.22	0.94	1.68	0.32
733	Light Heavy Duty Gas Trucks 2 (T5)	4.25	4.03	3.47	13.44	0.06	0.61	0.60	0.25	0.33	0.08
734	Medium Heavy Duty Gas Trucks (T6)	4.55	3.94	7.40	44.79	0.13	1.01	0.99	0.42	0.31	0.13
736	Heavy Heavy Duty Gas Trucks (HHHD)	1.62	1.27	4.85	40.37	0.02	0.06	0.06	0.02	0.03	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	2.76	2.42	54.24	10.56	0.09	2.08	2.04	1.05	0.06	0.24
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.29	1.13	24.54	4.88	0.05	1.12	1.10	0.56	0.03	0.13
744	Medium Heavy Duty Diesel Truck (T6)	14.90	13.08	201.28	34.67	0.41	11.24	11.10	7.57	1.06	0.69
746	Heavy Heavy Duty Diesel Trucks (HHHD)	35.66	24.52	488.52	99.48	1.11	12.90	12.78	8.32	1.81	1.34
750	Motorcycles (MCY)	80.66	70.54	17.57	354.29	0.04	0.29	0.28	0.13	0.12	0.12
760	Diesel Urban Buses (UB)	66.64	3.73	21.20	252.65	0.00	0.66	0.66	0.26	0.01	0.11
762	Gas Urban Buses (UB)	0.20	0.18	0.76	1.67	0.04	0.28	0.28	0.12	0.09	0.03
771	Gas School Buses (SB)	0.37	0.28	0.36	2.89	0.00	0.46	0.45	0.19	0.03	0.05
772	Diesel School Buses (SB)	0.31	0.27	15.53	0.82	0.02	1.18	1.16	0.54	0.04	0.13
777	Gas Other Buses (OB)	1.52	1.31	2.95	15.05	0.06	0.49	0.48	0.20	0.15	0.06
778	Motor Coaches	0.87	0.76	11.76	2.50	0.02	0.42	0.42	0.29	0.04	0.04
779	Diesel Other Buses (OB)	1.15	1.01	14.29	2.52	0.03	0.78	0.77	0.53	0.07	0.07
780	Motor Homes (MH)	0.66	0.53	4.19	9.75	0.05	0.49	0.48	0.24	0.10	0.06
Total On-Road Motor Vehicles		784.04	637.94	1334.64	6078.69	12.64	174.10	170.63	79.21	98.24	28.85
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	23.79	19.92	366.82	76.81	0.25	7.05	7.05	6.47	0.13	0.42
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	22.17	22.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	8.74	8.73	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	310.44	266.94	431.80	4933.33	0.89	30.91	29.57	25.51	1.54	28.85
870	Farm Equipment	0.56	0.49	1.76	6.52	0.00	0.11	0.11	0.10	0.00	0.03
890	Fuel Storage and Handling	44.99	44.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		410.69	363.06	800.38	5017.03	1.14	38.07	36.73	32.08	1.67	29.30
Total Stationary and Area Sources		4214.12	1837.22	733.37	835.38	86.13	972.26	606.01	321.77	621.85	576.98
Total On-Road Vehicles		784.04	637.94	1334.64	6078.69	12.64	174.10	170.63	79.21	98.24	28.85
Total Other Mobile		410.69	363.06	800.38	5017.03	1.14	38.07	36.73	32.08	1.67	29.30
Total		5408.85	2838.22	2868.39	11931.10	99.91	1184.43	813.37	433.06	721.76	635.13

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

2018 Annual Average TAC Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formalde- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM) (lbs/year)
Fuel Combustion																							
10	Electric Utilities	48.08	1.77	0.00	0.00	0.00	0.00	0.00	2842.61	0.00	0.00	0.00	0.00	0.00	3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	21.51	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	4.48	0.10	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	4844.65	16.14	0.00	0.00	0.00	0.00	0.00	25505.83	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.22	0.01	15.22	0.13	0.00	5.17	0.77
52	Food and Agricultural Processing	8.61	0.92	0.00	0.00	0.00	0.00	0.00	13.64	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
60	Service and Commercial	3386.48	56.01	0.00	0.00	5.00	2.88	0.00	6821.13	10.02	0.00	1.68	0.00	0.00	0.01	0.00	0.00	0.00	2.11	0.00	0.00	0.70	0.00
99	Other (Fuel Combustion)	197.93	59.56	0.00	0.00	3.44	1.83	0.00	5329.11	1.56	0.00	1.16	0.00	0.00	4.33	0.00	0.22	0.01	0.47	0.19	0.00	0.99	1482.00
Total Fuel Combustion		8512.23	134.50	0.00	0.00	8.44	4.71	0.00	40517.44	11.59	0.00	2.84	0.00	0.00	8.36	0.00	0.44	0.02	18.58	0.32	0.00	6.86	1482.77
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	2.53	0.00	0.00	0.00	0.00	0.00	0.00	78.13	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.14	0.00	0.02	0.00	0.00	1.03	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		2.53	0.00	0.00	0.00	0.00	0.00	0.00	78.13	0.00	7.25	0.00	0.00	0.00	0.77	0.00	0.14	0.00	0.02	0.00	0.00	1.03	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5874.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153829.66	4900.00	4.46	724.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.82	0.16	4.02	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	22.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	420.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.42	0.00	0.00	0.00	0.00	0.00	90.71	0.80	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		23.38	0.00	0.00	0.00	0.00	0.00	90.71	0.91	154250.03	10774.00	4.46	724.56	0.00	0.01	0.00	33.82	0.16	4.02	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	21.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
320	Petroleum Refining	10.60	0.00	0.00	0.00	0.04	0.04	0.00	0.09	0.37	0.04	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.08	0.01	0.00	0.02	0.00
330	Petroleum Marketing	1077.58	9.80	0.00	0.00	0.00	0.00	0.00	149.40	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	2.54	0.10	0.00	0.00	0.01	0.01	0.00	12.93	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		1111.95	9.90	0.00	0.00	0.05	0.05	0.00	162.42	0.37	0.04	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.09	0.01	0.00	0.02	0.00
Industrial Processes																							
410	Chemical	2169.66	12398.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	4.16	0.00	4.76	0.03	6.99	0.00	0.00	0.52	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	75.85	0.00	0.00	0.00	0.00	0.00	0.00	559.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	3.65	0.08	0.19	0.12	0.00	56.24	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.09	11.39	5.52	0.00	117.27	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	421.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	104.65	0.55	0.00	0.00	0.00	0.00	0.00	341.03	380.33	1293.29	0.99	150.46	0.00	0.09	0.02	0.01	1.26	12.82	0.02	0.01	0.03	0.00
Total Industrial Processes		2350.16	12398.55	0.00	0.00	0.00	0.00	0.00	1321.29	380.33	1293.29	0.99	150.46	0.00	4.35	0.02	10.84	1.46	31.39	5.66	0.01	174.06	0.00
Solvent Evaporation																							
510	Consumer Products	0.09	0.00	0.03	0.00	0.00	0.00	0.00	37.25	27687.07	3959.31	0.00	2433.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	407.34	137.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	19.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		19.11	0.00	0.03	0.00	0.00	0.00	0.00	37.25	28094.41	4096.87	0.00	2433.31	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00

* Emissions in lbs/year.

(Continued)

2018 Annual Average TAC Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formalde- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM) (lbs/year)
Miscellaneous Process																							
	610 Residential Fuel Combustion	925.74	0.00	0.00	0.00	0.00	0.00	0.00	6395.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.05	11.52	1.20	0.00	1.52	0.00
	620 Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.08	0.03	0.00	0.10	0.00
	630 Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.22	0.00	31.54	9.09	0.00	297.71	0.00
	640 Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	7.33	7.94	0.00	75.75	0.00
	645 Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.07	0.03	0.00	0.26	0.00
	650 Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
	660 Fires	0.00	42.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.22	0.00
	670 Waste Burning and Disposal	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	690 Cooking	89.44	113.15	0.00	0.00	0.00	0.00	0.00	1698.62	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.25	0.00	4.46	0.25	0.00	19.42	0.00
	699 Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		1015.18	157.29	0.00	0.00	0.00	0.00	0.00	8094.06	0.00	0.00	0.00	0.00	0.00	2.23	0.00	13.67	0.05	55.01	18.55	0.00	395.01	0.00
On-Road Motor Vehicles																							
	710 Light Duty Passenger Auto (LDA)	11795.59	1303.49	0.00	0.00	0.00	0.00	0.00	5073.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.70	86.07	1.37	0.00	14.62	592.00
	722 Light Duty Trucks 1 (T1)	2490.87	216.20	0.00	0.00	0.00	0.00	0.00	956.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.16	7.36	0.12	0.00	1.51	68.00
	723 Light Duty Trucks 2 (T2)	6643.12	701.05	0.00	0.00	0.00	0.00	0.00	2714.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.63	31.62	0.50	0.00	5.50	24.00
	724 Medium Duty Trucks (T3)	5653.00	684.49	0.00	0.00	0.00	0.00	0.00	2609.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.40	19.96	0.32	0.00	3.61	104.00
	732 Light Heavy Duty Gas Trucks 1 (T4)	709.40	41.42	0.00	0.00	0.00	0.00	0.00	184.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.26	0.04	0.00	0.32	0.00	
	733 Light Heavy Duty Gas Trucks 2 (T5)	161.87	8.60	0.00	0.00	0.00	0.00	0.00	37.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.74	0.01	0.00	0.08	0.00
	734 Medium Heavy Duty Gas Trucks (T6)	237.53	19.71	0.00	0.00	0.00	0.00	0.00	99.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.22	0.02	0.00	0.13	0.00
	736 Heavy Heavy Duty Gas Trucks (HHHD)	104.87	8.37	0.00	0.00	0.00	0.00	0.00	56.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00
	742 Light Heavy Duty Diesel Trucks 1 (T4)	110.29	10.47	0.00	0.00	0.00	0.00	0.00	811.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	1.95	0.03	0.00	0.24	798.00
	743 Light Heavy Duty Diesel Trucks 2 (T5)	51.47	4.89	0.00	0.00	0.00	0.00	0.00	378.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	1.09	0.02	0.00	0.13	394.00
	744 Medium Heavy Duty Diesel Truck (T6)	596.22	56.61	0.00	0.00	0.00	0.00	0.00	4384.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16	7.04	0.12	0.00	0.69	11042.00
	746 Heavy Heavy Duty Diesel Trucks (HHHD)	1426.95	135.49	0.00	0.00	0.00	0.00	0.00	10492.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14	5.94	0.09	0.00	1.34	12474.00
	750 Motorcycles (MCY)	4723.50	716.93	0.00	0.00	0.00	0.00	0.00	2958.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.31	0.00	0.00	0.12	0.00
	760 Diesel Urban Buses (UB)	2667.13	253.25	0.00	0.00	0.00	0.00	0.00	19612.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.59	0.01	0.00	0.11	66.00
	762 Gas Urban Buses (UB)	10.46	1.13	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.35	0.01	0.00	0.03	0.00
	771 Gas School Buses (SB)	26.45	1.77	0.00	0.00	0.00	0.00	0.00	13.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.60	0.01	0.00	0.05	0.00
	772 Diesel School Buses (SB)	12.53	1.19	0.00	0.00	0.00	0.00	0.00	92.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.44	0.02	0.00	0.13	160.00
	777 Gas Other Buses (OB)	80.64	7.08	0.00	0.00	0.00	0.00	0.00	34.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.59	0.01	0.00	0.06	0.00
	778 Motor Coaches	34.74	3.30	0.00	0.00	0.00	0.00	0.00	255.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.00	0.00	0.04	432.00
	779 Diesel Other Buses (OB)	45.94	4.36	0.00	0.00	0.00	0.00	0.00	337.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.46	0.01	0.00	0.07	804.00
	780 Motor Homes (MH)	41.56	3.31	0.00	0.00	0.00	0.00	0.00	41.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.52	0.01	0.00	0.06	130.00
Total On-Road Motor Vehicles		37624.13	4183.11	0.00	0.00	0.00	0.00	0.00	51149.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	3.44	170.86	2.72	0.00	28.85	27088.00
Other Mobile Sources																							
	810 Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	820 Trains	952.03	90.40	0.00	0.00	0.00	0.00	0.00	7000.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.04	0.23	0.06	0.00	0.42	14090.00
	833 Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	835 Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	840 Recreational Boats	325.33	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	850 Off-Road Recreational Vehicles	98.60	0.75	0.00	0.00	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	860 Off-Road Equipment	14411.97	3052.32	0.00	0.00	0.00	0.00	0.00	23236.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.61	30.04	0.06	0.00	28.85	29054.00
	870 Farm Equipment	22.69	3.44	0.00	0.00	0.00	0.00	0.00	96.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.03	192.00
	890 Fuel Storage and Handling	494.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		16304.95	3147.32	0.00	0.00	0.00	0.00	0.00	30335.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.65	30.30	0.12	0.00	29.30	43336.00
Total Stationary and Area Sources		13034.54	12700.24	0.03	0.00	8.49	4.76	90.71	50211.50	182736.73	16171.45	8.29	3308.36	0.00	15.75	0.02	59.17	1.69	109.11	24.54	0.01	576.98	1482.77
Total On-Road Vehicles		37624.13	4183.11	0.00	0.00	0.00	0.00	0.00	51149.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	3.44	170.86	2.72	0.00	28.85	27088.00
Total Other Mobile		16304.95	3147.32	0.00	0.00	0.00	0.00	0.00	30335.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.65	30.30	0.12	0.00	29.30	43336.00
Total		66963.62	20030.67	0.03	0.00	8.49	4.76	90.71	131696.66	182736.73	16171.45	8.29	3308.36	0.00	15.75	0.02	61.85	5.78	310.27	27.38	0.01	635.13	71906.77

* Emissions in lbs/year.

2025 Annual Average Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	61.96	5.77	0.00	17.90	0.61	15.98	15.88	15.85	19.51	0.00
20	Cogeneration	0.55	0.52	0.27	2.98	0.00	0.45	0.31	0.19	6.16	0.00
30	Oil and Gas Production (combustion)	0.06	0.01	0.15	0.08	0.00	0.00	0.00	0.00	0.03	0.01
40	Petroleum Refining (Combustion)	1.12	0.33	0.00	0.78	0.00	0.41	0.41	0.41	0.00	0.00
50	Manufacturing and Industrial	773.76	124.29	302.40	451.96	6.08	35.31	34.66	34.15	52.37	4.75
52	Food and Agricultural Processing	7.14	3.20	5.05	40.76	0.32	4.12	4.12	4.12	4.43	0.00
60	Service and Commercial	44.35	18.93	40.27	60.56	2.53	4.30	4.30	4.30	16.33	0.67
99	Other (Fuel Combustion)	38.99	9.39	80.15	32.12	0.38	5.59	5.31	4.95	3.84	0.99
Total Fuel Combustion		927.93	162.44	428.29	607.14	9.92	66.16	64.99	63.97	102.67	6.42
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	13.34	2.25	65.30	15.90	6.04	9.67	5.03	4.36	6.85	1.12
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	34.49	2.77	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
Total Waste Disposal		47.83	5.02	65.30	15.90	6.04	9.67	5.03	4.36	7.37	1.12
Cleaning and Surface Coatings											
210	Laundry	11.94	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	1800.44	347.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	196.55	191.11	0.31	0.09	0.00	16.05	15.41	14.84	2.01	0.00
240	Printing	16.32	16.32	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
250	Adhesives and Sealants	73.64	64.26	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00
299	Other (Cleaning and Surface Coatings)	31.43	25.08	1.20	1.26	0.02	0.26	0.26	0.26	0.11	0.00
Total Cleaning and Surface Coatings		2130.32	645.31	1.51	1.35	0.02	16.36	15.72	15.15	2.31	0.00
Petroleum Production and Marketing											
310	Oil and Gas Production	4.60	1.96	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	8.11	6.27	0.00	0.00	0.00	6.56	4.16	3.40	0.00	0.02
330	Petroleum Marketing	147.60	109.99	0.39	0.10	0.00	1.50	1.06	0.64	0.01	0.00
399	Other (Petroleum Production and Marketing)	0.80	0.71	0.44	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		131.11	118.93	0.83	0.20	0.06	8.06	5.22	4.04	0.01	0.02
Industrial Processes											
410	Chemical	101.19	72.05	0.00	0.00	0.00	21.68	19.07	18.32	3.03	0.60
420	Food and Agriculture	11.14	8.50	0.00	2.46	0.00	1.51	0.73	0.45	0.00	0.00
430	Mineral Processes	13.03	11.98	0.65	21.44	0.05	44.07	30.36	19.10	4.55	62.29
440	Metal Processes	2.40	2.38	0.00	0.00	0.00	11.43	9.95	8.59	0.00	18.58
450	Wood and Paper	13.78	13.78	0.00	0.00	0.00	106.67	74.41	44.99	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.05	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	96.03	89.14	0.01	0.34	0.00	34.04	26.07	20.94	283.85	0.03
Total Industrial Processes		237.57	197.83	0.66	24.24	0.05	219.53	160.68	112.44	291.43	81.50
Solvent Evaporation											
510	Consumer Products	784.09	646.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	109.30	103.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	6.20	6.20	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00
540	Asphalt Paving/Roofing	3.23	2.88	0.00	0.00	0.00	0.10	0.10	0.09	0.00	0.00
Total Solvent Evaporation		902.82	758.79	0.00	0.00	0.00	0.10	0.10	0.09	1.21	0.00

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

(Continued)

2025 Annual Average Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	64.50	28.13	58.40	161.09	1.82	25.33	24.18	23.56	0.38	1.58
620	Farming Operations	1.68	0.13	0.00	0.00	0.00	0.82	0.37	0.06	0.45	0.10
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	295.91	144.70	14.50	0.00	329.64
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	309.18	141.30	21.33	0.00	76.68
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.01	0.60	0.06	0.00	0.26
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.03
660	Fires	2.23	1.53	0.55	22.64	0.00	2.46	2.41	2.27	0.00	0.22
670	Waste Burning and Disposal	0.08	0.05	0.02	0.52	0.00	0.07	0.07	0.07	0.01	0.00
690	Cooking	27.59	19.28	0.00	0.00	3.27	78.49	78.28	78.09	0.00	20.40
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.83	0.00
	RECLAIM			114.72		73.54					
Total Miscellaneous Processes		96.08	49.12	173.69	184.25	78.63	713.29	391.92	139.94	220.67	428.91
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	138.14	128.40	82.92	1450.61	4.09	73.75	72.24	30.25	32.25	12.59
722	Light Duty Trucks 1 (T1)	25.85	23.94	15.24	192.24	0.40	6.20	6.06	2.59	3.18	1.13
723	Light Duty Trucks 2 (T2)	87.46	81.05	57.58	767.12	1.96	28.53	27.93	11.73	19.27	4.95
724	Medium Duty Trucks (T3)	59.31	54.78	40.18	481.21	1.37	16.18	15.84	6.67	16.09	2.81
732	Light Heavy Duty Gas Trucks 1 (T4)	7.89	7.54	5.82	24.45	0.13	1.37	1.34	0.57	0.82	0.19
733	Light Heavy Duty Gas Trucks 2 (T5)	2.30	2.20	1.95	6.90	0.05	0.50	0.49	0.21	0.20	0.07
734	Medium Heavy Duty Gas Trucks (T6)	2.36	2.13	2.88	19.28	0.11	0.93	0.91	0.38	0.28	0.12
736	Heavy Heavy Duty Gas Trucks (HHD)	0.59	0.43	3.04	28.15	0.02	0.07	0.06	0.03	0.04	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	2.11	1.85	23.73	6.94	0.09	2.13	2.10	1.00	0.06	0.26
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.08	0.95	11.92	3.55	0.05	1.26	1.24	0.60	0.03	0.15
744	Medium Heavy Duty Diesel Truck (T6)	0.70	0.61	108.96	6.17	0.41	6.77	6.65	2.90	1.21	0.77
746	Heavy Heavy Duty Diesel Trucks (HHD)	19.16	7.35	384.15	93.31	1.09	8.93	8.83	3.97	2.07	1.38
750	Motorcycles (MCY)	81.19	69.85	19.93	356.39	0.04	0.30	0.29	0.14	0.13	0.12
760	Diesel Urban Buses (UB)	38.34	0.54	2.28	219.18	0.00	0.42	0.42	0.16	0.01	0.07
762	Gas Urban Buses (UB)	0.15	0.12	0.45	1.68	0.04	0.31	0.31	0.13	0.09	0.04
771	Gas School Buses (SB)	0.46	0.34	0.36	3.28	0.01	0.59	0.58	0.25	0.04	0.06
772	Diesel School Buses (SB)	0.25	0.22	14.27	0.81	0.02	1.08	1.06	0.48	0.04	0.11
777	Gas Other Buses (OB)	1.47	1.34	1.96	10.85	0.06	0.49	0.48	0.20	0.15	0.06
778	Motor Coaches	0.13	0.11	6.34	1.16	0.02	0.27	0.26	0.12	0.04	0.03
779	Diesel Other Buses (OB)	0.05	0.04	7.59	0.41	0.03	0.47	0.46	0.21	0.08	0.05
780	Motor Homes (MH)	0.22	0.18	2.91	2.20	0.04	0.42	0.41	0.19	0.09	0.05
Total On-Road Motor Vehicles		469.21	383.97	794.46	3675.89	10.03	150.97	147.96	62.78	76.17	25.02
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	18.27	15.31	313.53	81.59	0.27	5.66	5.67	5.21	0.14	0.34
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	16.24	16.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	7.15	7.15	0.01	0.44	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	273.23	234.41	318.66	5259.01	0.92	23.78	22.42	18.94	1.70	29.03
870	Farm Equipment	0.40	0.35	1.24	6.61	0.00	0.08	0.08	0.07	0.00	0.03
890	Fuel Storage and Handling	34.41	34.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		349.70	307.73	633.44	5347.65	1.19	29.52	28.17	24.22	1.84	29.40
Total Stationary and Area Sources		4473.66	1937.44	670.28	833.08	94.72	1033.17	643.66	339.99	625.67	517.97
Total On-Road Vehicles		469.21	383.97	794.46	3675.89	10.03	150.97	147.96	62.78	76.17	25.02
Total Other Mobile		349.70	307.73	633.44	5347.65	1.19	29.52	28.17	24.22	1.84	29.40
Total		5292.57	2629.14	2098.18	9856.62	105.94	1213.66	819.79	426.99	703.68	572.39

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

2025 Annual Average TAC Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formalde- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM) (lbs/year)
Fuel Combustion																							
10	Electric Utilities	52.98	1.95	0.00	0.00	0.00	0.00	0.00	3132.55	0.00	0.00	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	23.72	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.01	0.00
40	Petroleum Refining (Combustion)	4.48	0.10	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	4349.37	18.97	0.00	0.00	0.00	0.00	0.00	24761.59	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.26	0.01	13.89	0.15	0.00	4.75	0.87
52	Food and Agricultural Processing	8.90	0.93	0.00	0.00	0.00	0.00	0.00	14.23	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
60	Service and Commercial	3210.93	63.05	0.00	0.00	5.63	3.24	0.00	6501.61	11.28	0.00	1.90	0.00	0.00	0.01	0.00	0.00	0.00	2.01	0.00	0.00	0.67	0.00
99	Other (Fuel Combustion)	164.60	56.39	0.00	0.00	3.44	1.83	0.00	5084.13	1.56	0.00	1.16	0.00	0.00	4.33	0.00	0.21	0.01	0.47	0.19	0.00	0.99	1004.00
Total Fuel Combustion		7815.48	141.39	0.00	0.00	9.07	5.07	0.00	39499.37	12.85	0.00	3.06	0.00	0.00	8.75	0.00	0.47	0.02	17.24	0.34	0.00	6.42	1004.87
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	2.77	0.00	0.00	0.00	0.00	0.00	0.00	84.61	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.16	0.00	0.02	0.00	0.00	1.12	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		2.77	0.00	0.00	0.00	0.00	0.00	0.00	84.61	0.00	7.94	0.00	0.00	0.00	0.83	0.00	0.16	0.00	0.02	0.00	0.00	1.12	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181590.25	5782.00	4.94	851.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.79	0.17	4.45	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	27.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	498.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.43	0.00	0.00	0.00	0.00	0.00	98.43	0.82	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		27.53	0.00	0.00	0.00	0.00	0.00	98.43	0.95	182086.40	5782.00	4.94	851.72	0.00	0.01	0.00	37.79	0.17	4.45	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	21.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
320	Petroleum Refining	10.60	0.00	0.00	0.00	0.04	0.04	0.00	0.09	0.37	0.04	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.08	0.01	0.00	0.02	0.00
330	Petroleum Marketing	894.57	10.24	0.00	0.00	0.00	0.00	0.00	178.35	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	2.67	0.10	0.00	0.00	0.01	0.01	0.00	13.61	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		929.73	10.34	0.00	0.00	0.05	0.05	0.00	192.05	0.37	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.09	0.01	0.00	0.02	0.00
Industrial Processes																							
410	Chemical	2491.10	14234.80	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	4.97	0.00	5.46	0.03	7.93	0.00	0.00	0.60	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	76.55	0.00	0.00	0.00	0.00	0.00	0.00	560.60	0.00	0.00	0.00	0.00	0.00	0.11	0.00	4.04	0.08	0.21	0.12	0.00	62.29	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	6.26	3.35	0.00	18.58	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	471.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	109.88	0.58	0.00	0.00	0.00	0.00	0.00	341.06	393.29	1337.37	0.99	155.59	0.00	0.09	0.02	0.01	1.36	14.03	0.02	0.01	0.03	0.00
Total Industrial Processes		2677.53	14235.38	0.00	0.00	0.00	0.00	0.00	1373.35	393.29	1337.37	0.99	155.59	0.00	5.17	0.02	10.60	1.47	28.43	3.49	0.01	81.50	0.00
Solvent Evaporation																							
510	Consumer Products	0.09	0.00	0.04	0.00	0.00	0.00	0.00	37.72	28478.04	4055.00	0.00	2513.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	426.15	143.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	21.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		21.15	0.00	0.04	0.00	0.00	0.00	0.00	37.72	28904.19	4198.91	0.00	2513.06	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00

* Emissions in lbs/year.

2025 Annual Average Emissions by Source Category in South East Los Angeles community (include proposed on-road regulations)*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	61.96	5.77	0.00	17.90	0.61	15.98	15.88	15.85	19.51	0.00
20	Cogeneration	0.55	0.52	0.27	2.98	0.00	0.45	0.31	0.19	6.16	0.00
30	Oil and Gas Production (combustion)	0.06	0.01	0.15	0.08	0.00	0.00	0.00	0.00	0.03	0.01
40	Petroleum Refining (Combustion)	1.12	0.33	0.00	0.78	0.00	0.41	0.41	0.41	0.00	0.00
50	Manufacturing and Industrial	773.76	124.29	302.40	451.96	6.08	35.31	34.66	34.15	52.37	4.75
52	Food and Agricultural Processing	7.14	3.20	5.05	40.76	0.32	4.12	4.12	4.12	4.43	0.00
60	Service and Commercial	44.35	18.93	40.27	60.56	2.53	4.30	4.30	4.30	16.33	0.67
99	Other (Fuel Combustion)	38.99	9.39	80.15	32.12	0.38	5.59	5.31	4.95	3.84	0.99
Total Fuel Combustion		927.93	162.44	428.29	607.14	9.92	66.16	64.99	63.97	102.67	6.42
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	13.34	2.25	65.30	15.90	6.04	9.67	5.03	4.36	6.85	1.12
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	34.49	2.77	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
Total Waste Disposal		47.83	5.02	65.30	15.90	6.04	9.67	5.03	4.36	7.37	1.12
Cleaning and Surface Coatings											
210	Laundry	11.94	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	1800.44	347.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	196.55	191.11	0.31	0.09	0.00	16.05	15.41	14.84	2.01	0.00
240	Printing	16.32	16.32	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
250	Adhesives and Sealants	73.64	64.26	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00
299	Other (Cleaning and Surface Coatings)	31.43	25.08	1.20	1.26	0.02	0.26	0.26	0.26	0.11	0.00
Total Cleaning and Surface Coatings		2130.32	645.31	1.51	1.35	0.02	16.36	15.72	15.15	2.31	0.00
Petroleum Production and Marketing											
310	Oil and Gas Production	4.60	1.96	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	8.11	6.27	0.00	0.00	0.00	6.56	4.16	3.40	0.00	0.02
330	Petroleum Marketing	147.60	109.99	0.39	0.10	0.00	1.50	1.06	0.64	0.01	0.00
399	Other (Petroleum Production and Marketing)	0.80	0.71	0.44	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		131.11	118.93	0.83	0.20	0.06	8.06	5.22	4.04	0.01	0.02
Industrial Processes											
410	Chemical	101.19	72.05	0.00	0.00	0.00	21.68	19.07	18.32	3.03	0.60
420	Food and Agriculture	11.14	8.50	0.00	2.46	0.00	1.51	0.73	0.45	0.00	0.00
430	Mineral Processes	13.03	11.98	0.65	21.44	0.05	44.07	30.36	19.10	4.55	62.29
440	Metal Processes	2.40	2.38	0.00	0.00	0.00	11.43	9.95	8.59	0.00	18.58
450	Wood and Paper	13.78	13.78	0.00	0.00	0.00	106.67	74.41	44.99	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.05	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	96.03	89.14	0.01	0.34	0.00	34.04	26.07	20.94	283.85	0.03
Total Industrial Processes		237.57	197.83	0.66	24.24	0.05	219.53	160.68	112.44	291.43	81.50
Solvent Evaporation											
510	Consumer Products	784.09	646.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	109.30	103.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	6.20	6.20	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00
540	Asphalt Paving/Roofing	3.23	2.88	0.00	0.00	0.00	0.10	0.10	0.09	0.00	0.00
Total Solvent Evaporation		902.82	758.79	0.00	0.00	0.00	0.10	0.10	0.09	1.21	0.00

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

(Continued)

2025 Annual Average Emissions by Source Category in South East Los Angeles community (include on-road regulations)*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	64.50	28.13	58.40	161.09	1.82	25.33	24.18	23.56	0.38	1.58
620	Farming Operations	1.68	0.13	0.00	0.00	0.00	0.82	0.37	0.06	0.45	0.10
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	295.91	144.70	14.50	0.00	329.64
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	309.18	141.30	21.33	0.00	76.68
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.01	0.60	0.06	0.00	0.26
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.03
660	Fires	2.23	1.53	0.55	22.64	0.00	2.46	2.41	2.27	0.00	0.22
670	Waste Burning and Disposal	0.08	0.05	0.02	0.52	0.00	0.07	0.07	0.07	0.01	0.00
690	Cooking	27.59	19.28	0.00	0.00	3.27	78.49	78.28	78.09	0.00	20.40
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.83	0.00
	RECLAIM			114.72		73.54					
Total Miscellaneous Processes		96.08	49.12	173.69	184.25	78.63	713.29	391.92	139.94	220.67	428.91
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	138.14	128.40	82.92	1450.61	4.09	73.75	72.24	30.25	32.25	12.59
722	Light Duty Trucks 1 (T1)	25.85	23.94	15.24	192.24	0.40	6.20	6.06	2.59	3.18	1.13
723	Light Duty Trucks 2 (T2)	87.46	81.05	57.58	767.12	1.96	28.53	27.93	11.73	19.27	4.95
724	Medium Duty Trucks (T3)	59.31	54.78	40.18	481.21	1.37	16.18	15.84	6.67	16.09	2.81
732	Light Heavy Duty Gas Trucks 1 (T4)	7.89	7.54	5.82	24.45	0.13	1.37	1.34	0.57	0.82	0.19
733	Light Heavy Duty Gas Trucks 2 (T5)	2.30	2.20	1.95	6.90	0.05	0.50	0.49	0.21	0.20	0.07
734	Medium Heavy Duty Gas Trucks (T6)	2.36	2.13	2.79	19.28	0.11	0.93	0.91	0.38	0.28	0.12
736	Heavy Heavy Duty Gas Trucks (HHD)	0.59	0.43	3.01	28.15	0.02	0.07	0.06	0.03	0.04	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	2.11	1.85	23.73	6.94	0.09	2.13	2.10	1.00	0.06	0.26
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.08	0.95	11.92	3.55	0.05	1.26	1.24	0.60	0.03	0.15
744	Medium Heavy Duty Diesel Truck (T6)	0.70	0.61	90.16	6.17	0.41	6.66	6.54	2.80	1.21	0.77
746	Heavy Heavy Duty Diesel Trucks (HHD)	19.16	7.35	324.31	93.31	1.09	8.43	8.33	3.49	2.07	1.38
750	Motorcycles (MCY)	81.19	69.85	19.93	356.39	0.04	0.30	0.29	0.14	0.13	0.12
760	Diesel Urban Buses (UB)	38.34	0.54	2.28	219.18	0.00	0.42	0.42	0.16	0.01	0.07
762	Gas Urban Buses (UB)	0.15	0.12	0.45	1.68	0.04	0.31	0.31	0.13	0.09	0.04
771	Gas School Buses (SB)	0.46	0.34	0.36	3.28	0.01	0.59	0.58	0.25	0.04	0.06
772	Diesel School Buses (SB)	0.25	0.22	11.96	0.81	0.02	1.06	1.04	0.46	0.04	0.11
777	Gas Other Buses (OB)	1.47	1.34	1.93	10.85	0.06	0.49	0.48	0.20	0.15	0.06
778	Motor Coaches	0.13	0.11	5.31	1.16	0.02	0.25	0.25	0.11	0.04	0.03
779	Diesel Other Buses (OB)	0.05	0.04	6.37	0.41	0.03	0.46	0.45	0.20	0.08	0.05
780	Motor Homes (MH)	0.22	0.18	2.91	2.20	0.04	0.42	0.41	0.19	0.09	0.05
Total On-Road Motor Vehicles		469.21	383.97	711.11	3675.89	10.03	150.31	147.31	62.16	76.17	25.02
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	18.27	15.31	313.53	81.59	0.27	5.66	5.67	5.21	0.14	0.34
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	16.24	16.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	7.15	7.15	0.01	0.44	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	273.23	234.41	318.66	5259.01	0.92	23.78	22.42	18.94	1.70	29.03
870	Farm Equipment	0.40	0.35	1.24	6.61	0.00	0.08	0.08	0.07	0.00	0.03
890	Fuel Storage and Handling	34.41	34.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		349.70	307.73	633.44	5347.65	1.19	29.52	28.17	24.22	1.84	29.40
Total Stationary and Area Sources		4473.66	1937.44	670.28	833.08	94.72	1033.17	643.66	339.99	625.67	517.97
Total On-Road Vehicles		469.21	383.97	711.11	3675.89	10.03	150.31	147.31	62.16	76.17	25.02
Total Other Mobile		349.70	307.73	633.44	5347.65	1.19	29.52	28.17	24.22	1.84	29.40
Total		5292.57	2629.14	2014.83	9856.62	105.94	1213.00	819.14	426.37	703.68	572.39

*Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

2025 Annual Average TAC Emissions by Source Category in South East Los Angeles community (include proposed on-road regulations)*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formal- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM) (lbs/year)
Fuel Combustion																							
10	Electric Utilities	52.98	1.95	0.00	0.00	0.00	0.00	0.00	3132.55	0.00	0.00	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	23.72	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.01	0.00
40	Petroleum Refining (Combustion)	4.48	0.10	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	4349.37	18.97	0.00	0.00	0.00	0.00	0.00	24761.59	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.26	0.01	13.89	0.15	0.00	4.75	0.87
52	Food and Agricultural Processing	8.90	0.93	0.00	0.00	0.00	0.00	0.00	14.23	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
60	Service and Commercial	3210.93	63.05	0.00	0.00	5.63	3.24	0.00	6501.61	11.28	0.00	1.90	0.00	0.00	0.01	0.00	0.00	0.00	2.01	0.00	0.00	0.67	0.00
99	Other (Fuel Combustion)	164.60	56.39	0.00	0.00	3.44	1.83	0.00	5084.13	1.56	0.00	1.16	0.00	0.00	4.33	0.00	0.21	0.01	0.47	0.19	0.00	0.99	1004.00
Total Fuel Combustion		7815.48	141.39	0.00	0.00	9.07	5.07	0.00	39499.37	12.85	0.00	3.06	0.00	0.00	8.75	0.00	0.47	0.02	17.24	0.34	0.00	6.42	1004.87
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	2.77	0.00	0.00	0.00	0.00	0.00	0.00	84.61	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.16	0.00	0.02	0.00	0.00	1.12	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		2.77	0.00	0.00	0.00	0.00	0.00	0.00	84.61	0.00	7.94	0.00	0.00	0.00	0.83	0.00	0.16	0.00	0.02	0.00	0.00	1.12	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181590.25	5782.00	4.94	851.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.79	0.17	4.45	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	27.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	498.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.43	0.00	0.00	0.00	0.00	0.00	98.43	0.82	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		27.53	0.00	0.00	0.00	0.00	0.00	98.43	0.95	182086.40	5782.00	4.94	851.72	0.00	0.01	0.00	37.79	0.17	4.45	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	21.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
320	Petroleum Refining	10.60	0.00	0.00	0.00	0.04	0.04	0.00	0.09	0.37	0.04	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.08	0.01	0.00	0.02	0.00
330	Petroleum Marketing	894.57	10.24	0.00	0.00	0.00	0.00	0.00	178.35	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	2.67	0.10	0.00	0.00	0.01	0.01	0.00	13.61	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		929.73	10.34	0.00	0.00	0.05	0.05	0.00	192.05	0.37	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.09	0.01	0.00	0.02	0.00
Industrial Processes																							
410	Chemical	2491.10	14234.80	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	4.97	0.00	5.46	0.03	7.93	0.00	0.00	0.60	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	76.55	0.00	0.00	0.00	0.00	0.00	0.00	560.60	0.00	0.00	0.00	0.00	0.00	0.11	0.00	4.04	0.08	0.21	0.12	0.00	62.29	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	6.26	3.35	0.00	18.58	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	471.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	109.88	0.58	0.00	0.00	0.00	0.00	0.00	341.06	393.29	1337.37	0.99	155.59	0.00	0.09	0.02	0.01	1.36	14.03	0.02	0.01	0.03	0.00
Total Industrial Processes		2677.53	14235.38	0.00	0.00	0.00	0.00	0.00	1373.35	393.29	1337.37	0.99	155.59	0.00	5.17	0.02	10.60	1.47	28.43	3.49	0.01	81.50	0.00
Solvent Evaporation																							
510	Consumer Products	0.09	0.00	0.04	0.00	0.00	0.00	0.00	37.72	28478.04	4055.00	0.00	2513.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	426.15	143.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	21.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		21.15	0.00	0.04	0.00	0.00	0.00	0.00	37.72	28904.19	4198.91	0.00	2513.06	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00

* Emissions in lbs/year.

(Continued)

2025 Annual Average TAC Emissions by Source Category in South East Los Angeles community (include proposed on-road regulations)*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formalde- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM) (lbs/year)
Miscellaneous Process																							
610	Residential Fuel Combustion	866.62	0.00	0.00	0.00	0.00	0.00	0.00	6277.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.06	10.81	1.25	0.00	1.58	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.08	0.03	0.00	0.10	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.43	0.00	34.92	10.06	0.00	329.64	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	7.42	8.04	0.00	76.68	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.07	0.03	0.00	0.26	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
660	Fires	0.00	41.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.22	0.00
670	Waste Burning and Disposal	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	93.93	118.83	0.00	0.00	0.00	0.00	0.00	1783.93	0.00	0.00	0.00	0.00	0.00	2.34	0.00	0.26	0.00	4.69	0.26	0.00	20.40	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		960.55	162.33	0.00	0.00	0.00	0.00	0.00	8061.43	0.00	0.00	0.00	0.00	0.00	2.34	0.00	14.93	0.06	58.00	19.68	0.00	428.91	0.00
On-Road Motor Vehicles																							
710	Light Duty Passenger Auto (LDA)	5988.44	704.46	0.00	0.00	0.00	0.00	0.00	2265.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.52	78.58	1.23	0.00	12.59	230.00
722	Light Duty Trucks 1 (T1)	1097.22	99.12	0.00	0.00	0.00	0.00	0.00	371.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	6.51	0.10	0.00	1.13	32.00
723	Light Duty Trucks 2 (T2)	3785.58	406.13	0.00	0.00	0.00	0.00	0.00	1339.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.59	30.33	0.48	0.00	4.95	16.00
724	Medium Duty Trucks (T3)	2609.11	291.55	0.00	0.00	0.00	0.00	0.00	995.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.34	17.17	0.27	0.00	2.81	74.00
732	Light Heavy Duty Gas Trucks 1 (T4)	293.32	15.95	0.00	0.00	0.00	0.00	0.00	63.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.63	0.02	0.00	0.19	0.00	
733	Light Heavy Duty Gas Trucks 2 (T5)	84.90	5.06	0.00	0.00	0.00	0.00	0.00	18.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.61	0.01	0.00	0.07	0.00	
734	Medium Heavy Duty Gas Trucks (T6)	111.56	10.77	0.00	0.00	0.00	0.00	0.00	41.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.12	0.02	0.00	0.12	0.00	
736	Heavy Heavy Duty Gas Trucks (HHHD)	41.50	2.43	0.00	0.00	0.00	0.00	0.00	21.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.01	0.00	
742	Light Heavy Duty Diesel Trucks 1 (T4)	84.32	8.01	0.00	0.00	0.00	0.00	0.00	620.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	2.16	0.03	0.00	0.26	546.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	43.10	4.09	0.00	0.00	0.00	0.00	0.00	316.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	1.28	0.02	0.00	0.15	356.00
744	Medium Heavy Duty Diesel Truck (T6)	27.85	2.64	0.00	0.00	0.00	0.00	0.00	204.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	7.91	0.12	0.00	0.77	344.00
746	Heavy Heavy Duty Diesel Trucks (HHHD)	766.66	72.80	0.00	0.00	0.00	0.00	0.00	5637.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	6.69	0.10	0.00	1.38	1590.00	
750	Motorcycles (MCY)	4865.03	712.38	0.00	0.00	0.00	0.00	0.00	2989.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.30	0.00	0.00	0.12	0.00	
760	Diesel Urban Buses (UB)	1534.37	145.69	0.00	0.00	0.00	0.00	0.00	11282.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.38	0.01	0.00	0.07	30.00	
762	Gas Urban Buses (UB)	9.13	1.15	0.00	0.00	0.00	0.00	0.00	4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.38	0.01	0.00	0.04	0.00	
771	Gas School Buses (SB)	33.12	2.31	0.00	0.00	0.00	0.00	0.00	17.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.77	0.01	0.00	0.06	0.00	
772	Diesel School Buses (SB)	9.84	0.93	0.00	0.00	0.00	0.00	0.00	72.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.34	0.02	0.00	0.11	66.00	
777	Gas Other Buses (OB)	68.65	6.36	0.00	0.00	0.00	0.00	0.00	25.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.59	0.01	0.00	0.06	0.00	
778	Motor Coaches	5.20	0.49	0.00	0.00	0.00	0.00	0.00	38.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.29	0.00	0.00	0.03	38.00	
779	Diesel Other Buses (OB)	1.84	0.17	0.00	0.00	0.00	0.00	0.00	13.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.54	0.01	0.00	0.05	36.00	
780	Motor Homes (MH)	12.40	0.79	0.00	0.00	0.00	0.00	0.00	21.59	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.46	0.01	0.00	0.05	74.00	
Total On-Road Motor Vehicles		21473.14	2493.28	0.00	0.00	0.00	0.00	0.00	26362.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	3.06	159.11	2.48	0.00	25.02	3432.00
Other Mobile Sources																							
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	731.32	69.44	0.00	0.00	0.00	0.00	0.00	5377.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.03	0.18	0.05	0.00	0.34	11326.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	242.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	80.94	0.68	0.00	0.00	0.00	0.00	0.00	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	13351.96	2886.78	0.00	0.00	0.00	0.00	0.00	20695.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.57	30.31	0.03	0.00	29.03	14080.00
870	Farm Equipment	17.93	2.89	0.00	0.00	0.00	0.00	0.00	73.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	134.00
890	Fuel Storage and Handling	378.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		14802.71	2960.11	0.00	0.00	0.00	0.00	0.00	26149.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.60	30.52	0.08	0.00	29.40	25540.00
Total Stationary and Area Sources		12434.74	14549.44	0.04	0.00	9.12	5.12	98.43	49249.48	211397.10	11326.26	8.99	3520.40	0.00	17.12	0.02	64.24	1.72	108.23	23.52	0.01	517.97	1004.87
Total On-Road Vehicles		21473.14	2493.28	0.00	0.00	0.00	0.00	0.00	26362.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	3.06	159.11	2.48	0.00	25.02	3432.00
Total Other Mobile		14802.71	2960.11	0.00	0.00	0.00	0.00	0.00	26149.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.60	30.52	0.08	0.00	29.40	25540.00
Total		48710.59																					

2030 Annual Average Emissions by Source Category in South East Los Angeles community (include proposed on-road regulations)*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	61.96	5.77	0.00	17.90	0.61	15.98	15.88	15.85	19.51	0.00
20	Cogeneration	0.55	0.52	0.27	2.98	0.00	0.45	0.31	0.19	6.16	0.00
30	Oil and Gas Production (combustion)	0.06	0.01	0.15	0.08	0.00	0.00	0.00	0.00	0.03	0.01
40	Petroleum Refining (Combustion)	1.12	0.33	0.00	0.78	0.00	0.41	0.41	0.41	0.00	0.00
50	Manufacturing and Industrial	751.35	124.14	299.72	454.73	6.30	34.98	34.33	33.81	51.75	4.63
52	Food and Agricultural Processing	7.26	3.25	5.16	41.41	0.33	4.19	4.19	4.19	4.47	0.00
60	Service and Commercial	44.52	18.99	40.59	60.82	2.71	4.32	4.32	4.32	16.31	0.67
99	Other (Fuel Combustion)	38.99	9.39	80.15	32.12	0.38	5.59	5.31	4.95	3.84	0.99
Total Fuel Combustion		905.81	162.40	426.04	610.82	10.33	65.92	64.75	63.72	102.07	6.30
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	13.86	2.34	67.97	16.53	6.30	10.05	5.21	4.51	7.12	1.16
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	35.40	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00
Total Waste Disposal		49.26	5.18	67.97	16.53	6.30	10.05	5.21	4.51	7.65	1.16
Cleaning and Surface Coatings											
210	Laundering	12.26	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	1919.95	370.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	203.24	197.59	0.34	0.10	0.00	16.45	15.80	15.21	2.09	0.00
240	Printing	16.76	16.76	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
250	Adhesives and Sealants	78.57	68.56	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00
299	Other (Cleaning and Surface Coatings)	32.66	26.31	1.23	1.28	0.02	0.27	0.26	0.26	0.11	0.00
Total Cleaning and Surface Coatings		2263.44	680.33	1.57	1.38	0.02	16.77	16.11	15.52	2.39	0.00
Petroleum Production and Marketing											
310	Oil and Gas Production	4.65	1.99	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	8.11	6.27	0.00	0.00	0.00	6.56	4.16	3.40	0.00	0.02
330	Petroleum Marketing	108.77	100.93	0.34	0.09	0.00	1.50	1.06	0.64	0.01	0.00
399	Other (Petroleum Production and Marketing)	0.83	0.73	0.45	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		122.36	109.92	0.79	0.19	0.06	8.06	5.22	4.04	0.01	0.02
Industrial Processes											
410	Chemical	106.08	75.55	0.00	0.00	0.00	22.50	19.79	19.01	3.13	0.63
420	Food and Agriculture	11.39	8.69	0.00	2.52	0.00	1.55	0.74	0.46	0.00	0.00
430	Mineral Processes	13.21	12.12	0.69	22.20	0.05	45.39	31.30	19.69	4.70	64.31
440	Metal Processes	2.53	2.50	0.00	0.00	0.00	12.05	10.48	9.04	0.00	19.59
450	Wood and Paper	14.33	14.33	0.00	0.00	0.00	111.25	77.60	46.92	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.06	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	97.94	90.91	0.01	0.35	0.00	35.00	26.83	21.59	283.85	0.03
Total Industrial Processes		245.48	204.10	0.70	25.07	0.05	227.87	166.83	116.77	291.68	84.56
Solvent Evaporation											
510	Consumer Products	796.80	657.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	112.27	105.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	6.36	6.36	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00
540	Asphalt Paving/Roofing	3.34	2.97	0.00	0.00	0.00	0.10	0.10	0.10	0.00	0.00
Total Solvent Evaporation		918.77	772.87	0.00	0.00	0.00	0.10	0.10	0.10	1.21	0.00

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

(Continued)

2030 Annual Average Emissions by Source Category in South East Los Angeles community (include proposed on-road regulations)*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	64.40	28.09	52.37	160.74	1.83	25.26	24.11	23.49	0.38	1.61
620	Farming Operations	1.68	0.13	0.00	0.00	0.00	0.82	0.37	0.06	0.45	0.10
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	305.88	149.58	14.99	0.00	340.75
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	303.61	138.75	20.95	0.00	75.30
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.01	0.60	0.06	0.00	0.26
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.03
660	Fires	2.21	1.52	0.55	22.42	0.00	2.45	2.40	2.26	0.00	0.22
670	Waste Burning and Disposal	0.08	0.05	0.02	0.52	0.00	0.07	0.07	0.07	0.01	0.00
690	Cooking	28.05	19.60	0.00	0.00	3.27	80.44	80.23	80.04	0.00	20.94
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	222.67	0.00
	RECLAIM			114.72		73.54					
Total Miscellaneous Processes		96.42	49.39	167.66	183.68	78.64	719.56	396.12	141.92	223.51	439.21
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	109.12	102.71	66.89	1293.25	3.62	73.57	72.15	29.76	30.64	11.92
722	Light Duty Trucks 1 (T1)	17.57	16.49	10.20	146.09	0.36	6.11	5.98	2.50	2.97	1.03
723	Light Duty Trucks 2 (T2)	70.68	66.29	43.35	687.72	1.74	29.01	28.44	11.77	19.43	4.78
724	Medium Duty Trucks (T3)	45.05	42.27	27.28	396.10	1.18	16.02	15.71	6.51	15.68	2.64
732	Light Heavy Duty Gas Trucks 1 (T4)	5.69	5.50	3.96	16.86	0.10	1.16	1.14	0.48	0.62	0.16
733	Light Heavy Duty Gas Trucks 2 (T5)	1.68	1.62	1.57	5.92	0.04	0.50	0.49	0.21	0.19	0.06
734	Medium Heavy Duty Gas Trucks (T6)	2.00	1.83	1.73	15.51	0.11	0.95	0.93	0.39	0.30	0.12
736	Heavy Heavy Duty Gas Trucks (HHH)	0.51	0.36	2.84	31.76	0.02	0.07	0.07	0.03	0.04	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	1.94	1.71	13.59	6.80	0.10	2.24	2.21	1.02	0.07	0.28
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.02	0.90	7.48	3.60	0.05	1.37	1.35	0.65	0.04	0.16
744	Medium Heavy Duty Diesel Truck (T6)	0.72	0.63	79.69	7.28	0.41	7.18	7.05	3.00	1.35	0.83
746	Heavy Heavy Duty Diesel Trucks (HHH)	20.73	7.60	318.78	113.64	1.12	9.53	9.41	3.88	2.39	1.58
750	Motorcycles (MCY)	82.20	70.63	22.01	378.44	0.04	0.31	0.30	0.15	0.14	0.12
760	Diesel Urban Buses (UB)	30.56	0.43	1.33	192.00	0.00	0.35	0.35	0.13	0.01	0.06
762	Gas Urban Buses (UB)	0.20	0.17	0.51	2.12	0.04	0.33	0.33	0.14	0.10	0.04
771	Gas School Buses (SB)	0.54	0.39	0.31	3.69	0.01	0.68	0.67	0.28	0.04	0.07
772	Diesel School Buses (SB)	0.17	0.15	7.86	0.83	0.02	1.05	1.03	0.45	0.04	0.11
777	Gas Other Buses (OB)	1.50	1.38	1.46	9.47	0.05	0.50	0.49	0.20	0.16	0.06
778	Motor Coaches	0.14	0.13	5.19	1.43	0.02	0.28	0.27	0.12	0.05	0.03
779	Diesel Other Buses (OB)	0.05	0.04	6.39	0.48	0.03	0.50	0.50	0.21	0.09	0.06
780	Motor Homes (MH)	0.14	0.11	2.56	1.03	0.04	0.42	0.41	0.19	0.10	0.05
Total On-Road Motor Vehicles		392.21	321.34	624.98	3314.02	9.10	152.13	149.28	62.07	74.45	24.17
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	15.89	13.30	265.08	84.63	0.28	4.85	4.85	4.45	0.15	0.29
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	15.59	15.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	7.28	7.27	0.01	0.47	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	276.33	237.73	283.21	5468.46	0.93	22.14	20.76	17.38	1.78	29.49
870	Farm Equipment	0.35	0.30	0.99	6.77	0.00	0.07	0.07	0.06	0.00	0.04
890	Fuel Storage and Handling	30.39	30.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		345.83	304.46	549.29	5560.33	1.21	27.06	25.68	21.89	1.93	29.82
Total Stationary and Area		4601.54	1984.19	664.73	837.67	95.40	1048.33	654.34	346.58	628.52	531.25
Sources Total On-Road Vehicles		392.21	321.34	624.98	3314.02	9.10	152.13	149.28	62.07	74.45	24.17
Total Other Mobile		345.83	304.46	549.29	5560.33	1.21	27.06	25.68	21.89	1.93	29.82
Total		5339.58	2609.99	1839.00	9712.02	105.71	1227.52	829.30	430.54	704.90	585.24

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

2030 Annual Average TAC Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formalde- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM) (lbs/year)
Fuel Combustion																							
10	Electric Utilities	52.98	1.95	0.00	0.00	0.00	0.00	0.00	3132.55	0.00	0.00	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	23.72	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.01	0.00
40	Petroleum Refining (Combustion)	4.48	0.10	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	4206.86	20.21	0.00	0.00	0.00	0.00	0.00	24729.06	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.28	0.01	13.53	0.16	0.00	4.63	0.92
52	Food and Agricultural Processing	8.98	0.93	0.00	0.00	0.00	0.00	0.00	14.40	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
60	Service and Commercial	3206.85	66.46	0.00	0.00	5.94	3.41	0.00	6506.17	11.89	0.00	2.00	0.00	0.00	0.01	0.00	0.00	0.00	2.02	0.00	0.00	0.67	0.00
99	Other (Fuel Combustion)	164.60	56.39	0.00	0.00	3.44	1.83	0.00	5084.18	1.56	0.00	1.16	0.00	0.00	4.33	0.00	0.20	0.01	0.47	0.19	0.00	0.99	1004.00
Total Fuel Combustion		7668.97	146.04	0.00	0.00	9.38	5.24	0.00	39471.63	13.46	0.00	3.16	0.00	0.00	8.75	0.00	0.48	0.02	16.89	0.35	0.00	6.30	1004.92
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	2.87	0.00	0.00	0.00	0.00	0.00	0.00	88.07	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.16	0.00	0.02	0.00	0.00	1.16	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		2.87	0.00	0.00	0.00	0.00	0.00	0.00	88.07	0.00	8.15	0.00	0.00	0.00	0.87	0.00	0.16	0.00	0.02	0.00	0.00	1.16	0.00
Cleaning and Surface Coatings																							
210	Laundrying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193813.53	6166.00	5.10	903.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.73	0.18	4.59	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	28.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	529.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.44	0.00	0.00	0.00	0.00	0.00	102.60	0.83	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		29.36	0.00	0.00	0.00	0.00	0.00	102.60	0.97	194343.02	6166.00	5.10	903.99	0.00	0.01	0.00	38.73	0.18	4.59	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	22.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
320	Petroleum Refining	10.60	0.00	0.00	0.00	0.04	0.04	0.00	0.09	0.37	0.04	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.08	0.01	0.00	0.02	0.00
330	Petroleum Marketing	782.45	10.52	0.00	0.00	0.00	0.00	0.00	189.54	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	2.75	0.10	0.00	0.00	0.01	0.01	0.00	14.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		817.92	10.62	0.00	0.00	0.05	0.05	0.00	203.65	0.37	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.09	0.01	0.00	0.02	0.00
Industrial Processes																							
410	Chemical	2604.29	14881.60	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	5.28	0.00	5.71	0.03	8.26	0.00	0.00	0.63	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	76.79	0.00	0.00	0.00	0.00	0.00	0.00	561.12	0.00	0.00	0.00	0.00	0.00	0.11	0.00	4.17	0.08	0.21	0.12	0.00	64.31	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	6.60	3.53	0.00	19.59	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	490.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	112.91	0.60	0.00	0.00	0.00	0.00	0.00	341.07	402.54	1368.82	0.99	159.25	0.00	0.09	0.02	0.01	1.39	14.40	0.02	0.01	0.03	0.00
Total Industrial Processes		2793.99	14882.20	0.00	0.00	0.00	0.00	0.00	1392.84	402.54	1368.82	0.99	159.25	0.00	5.48	0.02	11.03	1.50	29.47	3.67	0.01	84.56	0.00
Solvent Evaporation																							
510	Consumer Products	0.10	0.00	0.04	0.00	0.00	0.00	0.00	38.18	29052.48	4126.96	0.00	2567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	437.72	147.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	21.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		21.88	0.00	0.04	0.00	0.00	0.00	0.00	38.18	29490.20	4274.78	0.00	2567.05	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00

* Emissions in lbs/year.

2030 Annual Average Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	61.96	5.77	0.00	17.90	0.61	15.98	15.88	15.85	19.51	0.00
20	Cogeneration	0.55	0.52	0.27	2.98	0.00	0.45	0.31	0.19	6.16	0.00
30	Oil and Gas Production (combustion)	0.06	0.01	0.15	0.08	0.00	0.00	0.00	0.00	0.03	0.01
40	Petroleum Refining (Combustion)	1.12	0.33	0.00	0.78	0.00	0.41	0.41	0.41	0.00	0.00
50	Manufacturing and Industrial	751.35	124.14	299.72	454.73	6.30	34.98	34.33	33.81	51.75	4.63
52	Food and Agricultural Processing	7.26	3.25	5.16	41.41	0.33	4.19	4.19	4.19	4.47	0.00
60	Service and Commercial	44.52	18.99	40.59	60.82	2.71	4.32	4.32	4.32	16.31	0.67
99	Other (Fuel Combustion)	38.99	9.39	80.15	32.12	0.38	5.59	5.31	4.95	3.84	0.99
Total Fuel Combustion		905.81	162.40	426.04	610.82	10.33	65.92	64.75	63.72	102.07	6.30
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	13.86	2.34	67.97	16.53	6.30	10.05	5.21	4.51	7.12	1.16
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	35.40	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00
Total Waste Disposal		49.26	5.18	67.97	16.53	6.30	10.05	5.21	4.51	7.65	1.16
Cleaning and Surface Coatings											
210	Laundry	12.26	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	1919.95	370.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	203.24	197.59	0.34	0.10	0.00	16.45	15.80	15.21	2.09	0.00
240	Printing	16.76	16.76	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
250	Adhesives and Sealants	78.57	68.56	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00
299	Other (Cleaning and Surface Coatings)	32.66	26.31	1.23	1.28	0.02	0.27	0.26	0.26	0.11	0.00
Total Cleaning and Surface Coatings		2263.44	680.33	1.57	1.38	0.02	16.77	16.11	15.52	2.39	0.00
Petroleum Production and Marketing											
310	Oil and Gas Production	4.65	1.99	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	8.11	6.27	0.00	0.00	0.00	6.56	4.16	3.40	0.00	0.02
330	Petroleum Marketing	108.77	100.93	0.34	0.09	0.00	1.50	1.06	0.64	0.01	0.00
399	Other (Petroleum Production and Marketing)	0.83	0.73	0.45	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		122.36	109.92	0.79	0.19	0.06	8.06	5.22	4.04	0.01	0.02
Industrial Processes											
410	Chemical	106.08	75.55	0.00	0.00	0.00	22.50	19.79	19.01	3.13	0.63
420	Food and Agriculture	11.39	8.69	0.00	2.52	0.00	1.55	0.74	0.46	0.00	0.00
430	Mineral Processes	13.21	12.12	0.69	22.20	0.05	45.39	31.30	19.69	4.70	64.31
440	Metal Processes	2.53	2.50	0.00	0.00	0.00	12.05	10.48	9.04	0.00	19.59
450	Wood and Paper	14.33	14.33	0.00	0.00	0.00	111.25	77.60	46.92	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.06	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	97.94	90.91	0.01	0.35	0.00	35.00	26.83	21.59	283.85	0.03
Total Industrial Processes		245.48	204.10	0.70	25.07	0.05	227.87	166.83	116.77	291.68	84.56
Solvent Evaporation											
510	Consumer Products	796.80	657.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	112.27	105.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	6.36	6.36	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00
540	Asphalt Paving/Roofing	3.34	2.97	0.00	0.00	0.00	0.10	0.10	0.10	0.00	0.00
Total Solvent Evaporation		918.77	772.87	0.00	0.00	0.00	0.10	0.10	0.10	1.21	0.00

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

(Continued)

2030 Annual Average Emissions by Source Category in South East Los Angeles community*

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	64.40	28.09	52.37	160.74	1.83	25.26	24.11	23.49	0.38	1.61
620	Farming Operations	1.68	0.13	0.00	0.00	0.00	0.82	0.37	0.06	0.45	0.10
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	305.88	149.58	14.99	0.00	340.75
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	303.61	138.75	20.95	0.00	75.30
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.01	0.60	0.06	0.00	0.26
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.03
660	Fires	2.21	1.52	0.55	22.42	0.00	2.45	2.40	2.26	0.00	0.22
670	Waste Burning and Disposal	0.08	0.05	0.02	0.52	0.00	0.07	0.07	0.07	0.01	0.00
690	Cooking	28.05	19.60	0.00	0.00	3.27	80.44	80.23	80.04	0.00	20.94
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	222.67	0.00
	RECLAIM			114.72		73.54					
Total Miscellaneous Processes		96.42	49.39	167.66	183.68	78.64	719.56	396.12	141.92	223.51	439.21
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	110.00	103.53	70.04	1293.25	3.62	73.63	72.20	29.81	30.64	11.97
722	Light Duty Trucks 1 (T1)	17.57	16.49	10.20	146.09	0.36	6.11	5.98	2.50	2.97	1.03
723	Light Duty Trucks 2 (T2)	71.10	66.69	44.01	687.72	1.74	29.03	28.46	11.79	19.43	4.79
724	Medium Duty Trucks (T3)	45.14	42.35	27.36	396.10	1.18	16.03	15.71	6.52	15.68	2.64
732	Light Heavy Duty Gas Trucks 1 (T4)	5.69	5.50	3.96	16.86	0.10	1.16	1.14	0.48	0.62	0.16
733	Light Heavy Duty Gas Trucks 2 (T5)	1.68	1.62	1.57	5.92	0.04	0.50	0.49	0.21	0.19	0.06
734	Medium Heavy Duty Gas Trucks (T6)	2.00	1.83	2.12	15.51	0.11	0.95	0.93	0.39	0.30	0.12
736	Heavy Heavy Duty Gas Trucks (HHD)	0.51	0.36	3.05	31.76	0.02	0.07	0.07	0.03	0.04	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	1.94	1.71	13.59	6.80	0.10	2.24	2.21	1.02	0.07	0.28
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.02	0.90	7.48	3.60	0.05	1.37	1.35	0.65	0.04	0.16
744	Medium Heavy Duty Diesel Truck (T6)	0.72	0.63	118.34	7.28	0.41	7.31	7.18	3.12	1.35	0.83
746	Heavy Heavy Duty Diesel Trucks (HHD)	20.73	7.60	412.80	113.64	1.12	10.12	10.00	4.44	2.39	1.58
750	Motorcycles (MCY)	82.20	70.63	22.01	378.44	0.04	0.31	0.30	0.15	0.14	0.12
760	Diesel Urban Buses (UB)	30.56	0.43	1.33	192.00	0.00	0.35	0.35	0.13	0.01	0.06
762	Gas Urban Buses (UB)	0.20	0.17	0.51	2.12	0.04	0.33	0.33	0.14	0.10	0.04
771	Gas School Buses (SB)	0.54	0.39	0.34	3.69	0.01	0.68	0.67	0.28	0.04	0.07
772	Diesel School Buses (SB)	0.17	0.15	10.56	0.83	0.02	1.06	1.04	0.46	0.04	0.11
777	Gas Other Buses (OB)	1.50	1.38	1.62	9.47	0.05	0.50	0.49	0.20	0.16	0.06
778	Motor Coaches	0.14	0.13	6.98	1.43	0.02	0.29	0.28	0.13	0.05	0.03
779	Diesel Other Buses (OB)	0.05	0.04	8.58	0.48	0.03	0.52	0.51	0.23	0.09	0.06
780	Motor Homes (MH)	0.14	0.11	2.56	1.03	0.04	0.42	0.41	0.19	0.10	0.05
Total On-Road Motor Vehicles		393.60	322.64	769.01	3314.02	9.10	152.98	150.10	62.87	74.45	24.23
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	15.89	13.30	265.08	84.63	0.28	4.85	4.85	4.45	0.15	0.29
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	15.59	15.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	7.28	7.27	0.01	0.47	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	276.33	237.73	283.21	5468.46	0.93	22.14	20.76	17.38	1.78	29.49
870	Farm Equipment	0.35	0.30	0.99	6.77	0.00	0.07	0.07	0.06	0.00	0.04
890	Fuel Storage and Handling	30.39	30.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		345.83	304.46	549.29	5560.33	1.21	27.06	25.68	21.89	1.93	29.82
Total Stationary and Area Sources		4601.54	1984.19	664.73	837.67	95.40	1048.33	654.34	346.58	628.52	531.25
Total On-Road Vehicles		393.60	322.64	769.01	3314.02	9.10	152.98	150.10	62.87	74.45	24.23
Total Other Mobile		345.83	304.46	549.29	5560.33	1.21	27.06	25.68	21.89	1.93	29.82
Total		5340.97	2611.29	1983.03	9712.02	105.71	1228.37	830.12	431.34	704.90	585.30

* Emissions in tons/year with the exception of Pb, which is reported in units of lbs/year.

2030 Annual Average TAC Emissions by Source Category in South East Los Angeles community (include proposed on-road regulations)*

CODE	Source Category	Benzene (lbs/year)	1,3 Butadiene (lbs/year)	Carbon tetrachloride (lbs/year)	1,4 Dioxane (lbs/year)	Ethylene dibromide (lbs/year)	Ethylene dichloride (lbs/year)	Ethylene oxide (lbs/year)	Formalde- hyde (lbs/year)	Methylene chloride (lbs/year)	Perchloro- ethylene (lbs/year)	Vinyl chloride (lbs/year)	Trichloro- ethylene (lbs/year)	Chlorinated dibenzofurans (lbs/year)	PAH (Benzo(a)pyrene) (lbs/year)	Asbestos (lbs/year)	Cadmium (lbs/year)	Hexavalent Chromium (lbs/year)	Nickel (lbs/year)	Arsenic (lbs/year)	Beryllium (lbs/year)	Lead (lbs/year)	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	52.98	1.95	0.00	0.00	0.00	0.00	0.00	3132.55	0.00	0.00	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	23.72	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.01	0.00
40	Petroleum Refining (Combustion)	4.48	0.10	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	4206.86	20.21	0.00	0.00	0.00	0.00	0.00	24729.06	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.28	0.01	13.53	0.16	0.00	4.63	0.92
52	Food and Agricultural Processing	8.98	0.93	0.00	0.00	0.00	0.00	0.00	14.40	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
60	Service and Commercial	3206.85	66.46	0.00	0.00	5.94	3.41	0.00	6506.17	11.89	0.00	2.00	0.00	0.00	0.01	0.00	0.00	0.00	2.02	0.00	0.00	0.67	0.00
99	Other (Fuel Combustion)	164.60	56.39	0.00	0.00	3.44	1.83	0.00	5084.18	1.56	0.00	1.16	0.00	0.00	4.33	0.00	0.20	0.01	0.47	0.19	0.00	0.99	1004.00
Total Fuel Combustion		7668.97	146.04	0.00	0.00	9.38	5.24	0.00	39471.63	13.46	0.00	3.16	0.00	0.00	8.75	0.00	0.48	0.02	16.89	0.35	0.00	6.30	1004.92
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	2.87	0.00	0.00	0.00	0.00	0.00	0.00	88.07	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.16	0.00	0.02	0.00	0.00	1.16	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		2.87	0.00	0.00	0.00	0.00	0.00	0.00	88.07	0.00	8.15	0.00	0.00	0.00	0.87	0.00	0.16	0.00	0.02	0.00	0.00	1.16	0.00
Cleaning and Surface Coatings																							
210	Laundrying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193813.53	6166.00	5.10	903.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.73	0.18	4.59	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	28.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	529.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.44	0.00	0.00	0.00	0.00	0.00	102.60	0.83	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		29.36	0.00	0.00	0.00	0.00	0.00	102.60	0.97	194343.02	6166.00	5.10	903.99	0.00	0.01	0.00	38.73	0.18	4.59	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	22.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
320	Petroleum Refining	10.60	0.00	0.00	0.00	0.04	0.04	0.00	0.09	0.37	0.04	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.08	0.01	0.00	0.02	0.00
330	Petroleum Marketing	782.45	10.52	0.00	0.00	0.00	0.00	0.00	189.54	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	2.75	0.10	0.00	0.00	0.01	0.01	0.00	14.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		817.92	10.62	0.00	0.00	0.05	0.05	0.00	203.65	0.37	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.09	0.01	0.00	0.02	0.00
Industrial Processes																							
410	Chemical	2604.29	14881.60	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	5.28	0.00	5.71	0.03	8.26	0.00	0.00	0.63	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	76.79	0.00	0.00	0.00	0.00	0.00	0.00	561.12	0.00	0.00	0.00	0.00	0.00	0.11	0.00	4.17	0.08	0.21	0.12	0.00	64.31	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	6.60	3.53	0.00	19.59	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	490.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	112.91	0.60	0.00	0.00	0.00	0.00	0.00	341.07	402.54	1368.82	0.99	159.25	0.00	0.09	0.02	0.01	1.39	14.40	0.02	0.01	0.03	0.00
Total Industrial Processes		2793.99	14882.20	0.00	0.00	0.00	0.00	0.00	1392.84	402.54	1368.82	0.99	159.25	0.00	5.48	0.02	11.03	1.50	29.47	3.67	0.01	84.56	0.00
Solvent Evaporation																							
510	Consumer Products	0.10	0.00	0.04	0.00	0.00	0.00	0.00	38.18	29052.48	4126.96	0.00	2567.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	437.72	147.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	21.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		21.88	0.00	0.04	0.00	0.00	0.00	0.00	38.18	29490.20	4274.78	0.00	2567.05	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00

* Emissions in lbs/year.

