

Sources of Air Pollution

Southeast Los Angeles



What are some types of air pollution in this community?

Reactive Organic Gases, or ROGs, are a group of gases that contribute to forming smog. Examples of these are acetone, benzene, and formaldehyde.

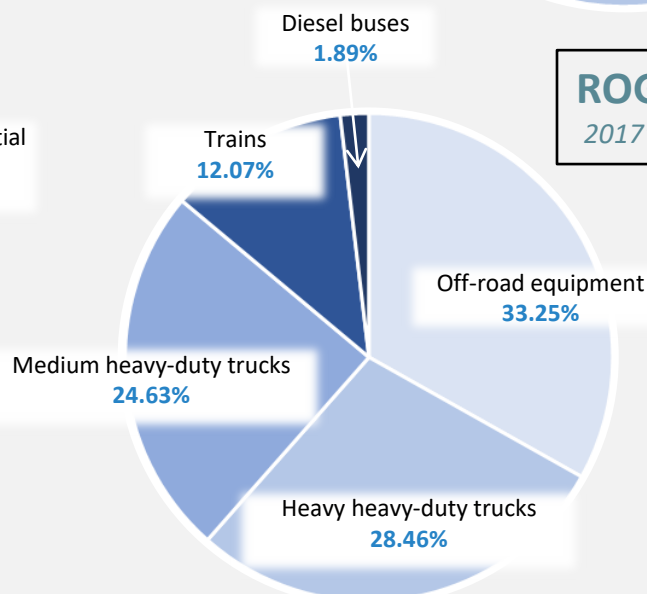
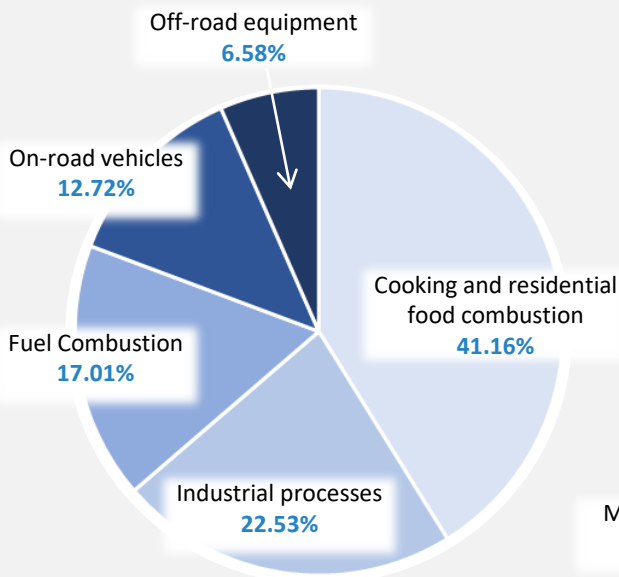
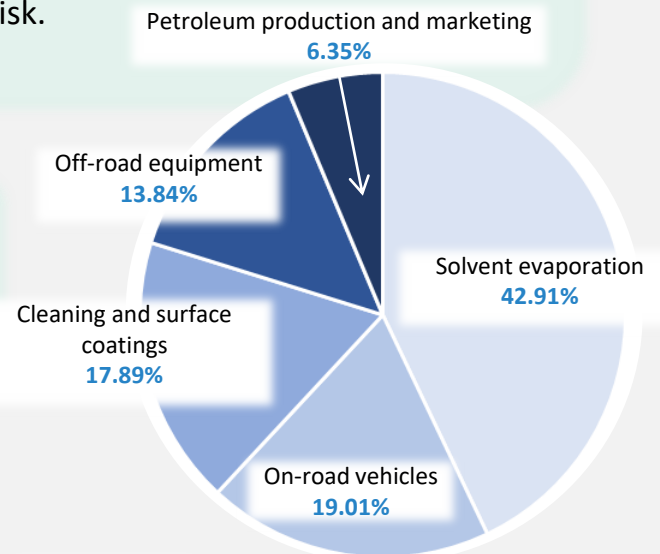
Fine Particulate Matter, or PM 2.5, are fine particles that can be inhaled deep into the lungs and cause health problems.

Diesel Particulate Matter, or DPM, is a toxic air pollutant that comes from diesel engines. It is a top contributor to air toxics cancer risk.



Where are the pollutants coming from?

The pie charts below show emissions (tons per year) from ROGs, PM 2.5, and DPM and their sources.*



ROGs
2017**

PM 2.5
2017**

DPM
2017

*Total may not add up to 100% due to rounding

**California Air Resources Board (CARB) emission projection data



South Coast AQMD and California Air Resource Board (CARB) Emissions Estimates



The table below shows the air pollution emissions in the Southeast Los Angeles community from specific types of sources. These numbers are presented in tons per year (tons/yr) and reflect air pollution emissions from 2017.

Source Category*	ROG 2017**	PM 2.5 2017**	DPM 2017	Source Category*	ROG 2017**	PM 2.5 2017**	DPM 2017
FUEL COMBUSTION	74.12	42.41		SOLVENT EVAPORATION	618.67	0.02	
Electric Utilities	5.58	20.05		Consumer Products	532.39	0.00	
Cogeneration	0.18	0.07		Architectural Coatings and Process Solvents	80.90	0.00	
Petroleum Refining (Combustion)	0.32	0.38		Pesticides/Fertilizers	4.89	0.00	
Manufacturing and Industrial	53.16	17.05		Asphalt Paving/Roofing	0.50	0.02	
Food and Agriculture Processing	0.14	0.15		MISCELLANEOUS PROCESSES	67.13	102.57	
Service and Commercial	12.75	2.84		Residential Fuel Combustion	60.41	27.57	
Other (Fuel Combustion)	1.98	1.88		Farming Operations	0.09	0.06	
WASTE DISPOSAL	4.54	1.96		Construction and Demolition	0.00	5.79	
Incinerators	0.12	1.96		Paved Road Dust	0.00	12.61	
Others (Waste Disposal)	4.42	0.00		Fires	1.52	1.57	
CLEANING AND SURFACE COATINGS	257.93	7.75		Managed Burning and Disposal	0.07	0.06	
Laundering	0.38	0.00		Cooking	5.04	54.91	
Degreasing	116.99	0.00		ON-ROAD MOBILE SOURCES	274.12	31.72	
Coatings and Related Process Solvents	102.73	7.57		Light and Medium Duty Vehicles	252.62	24.87	
Printing	2.95	0.00		Light Heavy Duty Vehicles	8.85	0.87	
Adhesives and Sealants	20.50	0.00		Medium Heavy Duty Vehicles	5.35	2.82	2.17
Other (Cleaning and Surface Coatings)	14.38	0.18		Heavy Heavy Duty Vehicles	5.46	2.51	2.51
PETROLEUM PRODUCTION AND MARKETING	91.49	5.39		Bus	1.84	0.65	0.17
Oil and Gas Production	0.09	0.01		OTHER MOBILE SOURCES	273.54	18.53	
Petroleum Refining	5.32	4.61		Trains	6.31	2.01	1.07
Petroleum Marketing	85.10	0.77		Recreational Boats	18.94	0.00	
Other (Petroleum Production and Marketing)	0.98	0.00		Off-Road Recreational Vehicles	7.57	0.00	
INDUSTRIAL PROCESSES	78.32	56.15		Off-Road Equipment	199.52	16.40	2.93
Chemical	19.89	1.79		Farm Equipment	0.58	0.12	
Food and Agriculture	7.43	0.41		Fuel Storage and Handling	40.62	0.00	
Mineral Processes	5.37	10.05					
Metal Processes	2.28	1.11					
Wood and Paper	0.00	19.86					
Other (Industrial Processes)	43.36	22.89					

*Total sums may not add up due to rounding

**CARB emission projection data