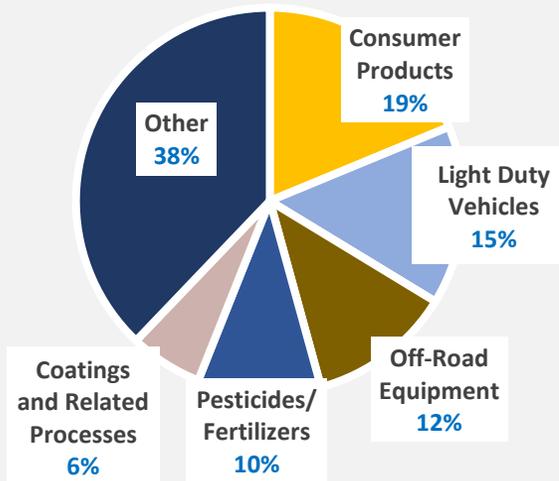


Sources of Air Pollution in Eastern Coachella Valley

 What are some types of air pollution in this community and where are they coming from?

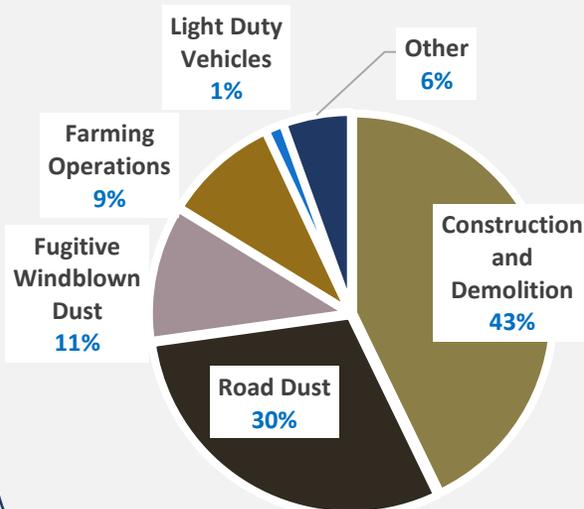
VOCs

Volatile Organic Compounds, or VOCs, are gases that contribute to smog. Some VOCs have direct health effects. Examples of VOCs are acetone, benzene, and formaldehyde.



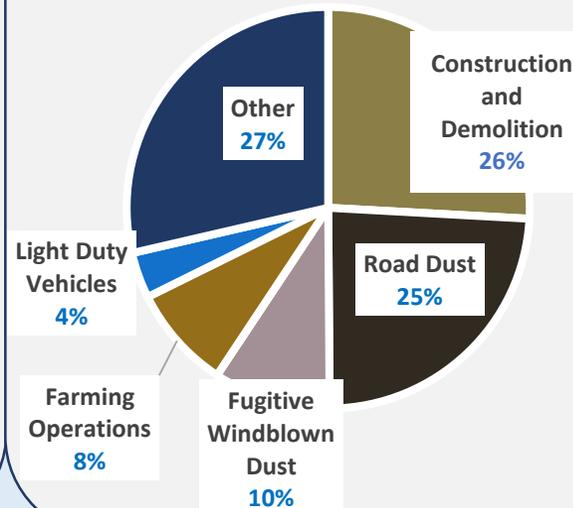
PM 10

Coarse Particulate Matter, or PM 10, are particles that can be inhaled into the lungs and cause health problems. An example of PM 10 is windblown dust.



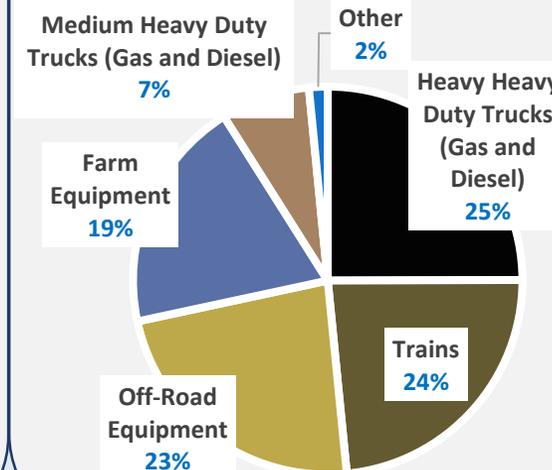
PM 2.5

Fine Particulate Matter, or PM 2.5, are fine particles smaller than PM 10, that can also be inhaled deep into the lungs and cause health problems. An example of this is smoke from fires.



DPM

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





Emissions Estimates



The table below shows air pollution emissions in the Eastern Coachella Valley community from various sources in 2017. The emissions are presented in tons per year (tons/yr).

Source Category	VOC	PM10	PM2.5	DPM	Source Category	VOC	PM10	PM2.5	DPM
Manufacturing and Industrial	5.75	0.38	0.38	0	Residential Fuel Combustion	12.27	8.45	8.17	0
Service and Commercial	7.40	1.31	1.31	0	Farming Operations	3.85	136.78	20.49	0
Other (Fuel Combustion)	0.18	0.09	0.09	0.07	Construction and Demolition	0	632.10	63.34	0
Fuel Combustion	13.33	1.78	1.78	0.07	Road Dust	0	441.77	58.80	0
Incineration	0.04	0.04	0.04	0	Fugitive Windblown Dust	0	162.19	23.05	0
Other (Waste Disposal)	14.07	0	0	0	Fires	0.50	1.16	1.09	0
Waste Disposal	14.11	0.04	0.04	0	Waste Burning and Disposal	2.15	2.97	2.82	0
Laundering	0.04	0	0	0	Cooking	1.16	6.75	6.75	0
Degreasing	9.42	0	0	0	Miscellaneous Processes	19.93	1392.17	184.51	0
Coatings and Related Processes	39.83	1.94	1.87	0	Light Duty Vehicles	97.82	21.55	9.06	0.05
Printing	0.61	0	0	0	Medium Duty Trucks	25.12	4.23	1.78	0.01
Adhesives and Sealants	8.56	0	0	0	Light Heavy-Duty Trucks (Gas and Diesel)	6.53	1.71	0.8	0.19
Other (Cleaning and Surface Coatings)	3.61	0	0	0	Medium Heavy-Duty Trucks (Gas and Diesel)	4.06	4.09	2.81	2.07
Cleaning and Surface Coatings	62.07	1.94	1.87	0	Heavy Heavy-Duty Trucks (Gas and Diesel)	15.92	13.53	9.05	7.00
Petroleum Marketing	15.45	0	0	0	Bus and others	17.55	0.93	0.45	0.11
Other (Petroleum Production and Marketing)	0.07	0	0	0	On-Road Motor Vehicles	167.00	46.04	23.95	9.42
Petroleum Production and Marketing	15.52	0	0	0	Aircraft	0.11	0	0	0
Chemical	3.95	0.46	0.39	0	Trains	15.92	6.59	6.01	6.59
Food and Agriculture	2.71	0	0	0	Off-Road Recreational Vehicles	14.09	0.15	0.11	0
Wood and Paper	0	10.19	6.11	0	Off-Road Equipment	78.51	10.31	8.87	6.51
Other (Industrial Processes)	2.30	0	0	0	Farm Equipment	19.09	5.73	5.24	5.45
Industrial Processes	8.96	10.65	6.50	0	Fuel Storage and Handling	10.44	0	0	0
Consumer Products	122.43	0	0	0	Additional Mobile Sources	138.16	22.78	20.23	18.55
Architectural Coatings and Related Solvent	21.50	0	0	0					
Pesticides/Fertilizers	67.14	0	0	0					
Asphalt Paving/Roofing	3.00	0.04	0.03	0					
Solvent Evaporation	214.07	0.04	0.03	0					

*Total sums may not add up due to rounding