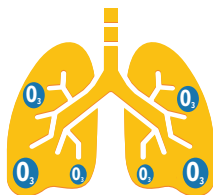


IMPACTS of GROUND-LEVEL

OZONE

POTENTIAL HEALTH EFFECTS OF GROUND-LEVEL OZONE

- Chest Pain, Coughing, Throat Irritation, Congestion
- Triggers Asthma Attacks
- Worsens Bronchitis & Emphysema
- Reduces Lung Function



CHILDREN & TEENS are at GREATER RISK

- 🕒 Their lungs are still developing
- 🕒 They take more breaths per minute
- 🕒 They spend more time outdoors

NOx

Nitrogen Oxides



 **49%** Off-Road Mobile (Construction/farm/lawn equipment, trains, airplanes, etc.)

 **29%** On-Road Mobile (Heavy-duty trucks, buses, cars, etc.)

 **22%** Stationary & Area-wide (Industrial, oil and gas, pesticides, etc.)

HEAT & SUNLIGHT



VOC

Volatile Organic Compounds



 **55%** Area-wide (Farming operations, consumer products, pesticides and fertilizers, etc.)

 **27%** Stationary (Industrial and commercial operations, waste disposal, oil and gas production, industrial processes, etc.)

 **18%** Mobile (On-road, off-road, trains, airplanes, etc.)

OZONE O_3

Ground-level ozone is not emitted directly into the air, it is created by chemical reactions.

YOU CAN MAKE ONE CHANGE

AT HOME



Switch to electric lawn equipment



Switch to an electric vehicle



Avoid using aerosols, lighter fluid, high VOC paint and other chemicals

ON THE ROAD



Avoid idling at schools and drive-thrus



Reduce or link your trips



Carpool, bike, or ride the bus to work/school

TAKE ADVANTAGE OF INCENTIVES

 valleyair.org/grants 



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

valleyair.org

Feb/2025