

Impacts of GROUND LEVEL OZONE

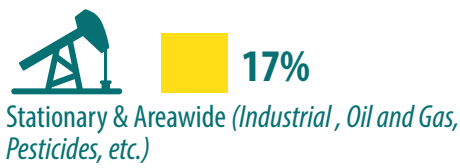
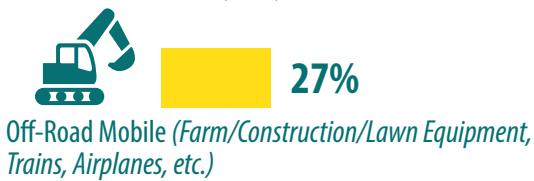


OZONE (O₃) = NO_x + VOC* + Heat & Sunlight

Nitrogen Oxides

Volatile Organic Compounds

Ground level ozone is not emitted directly into the air, it is created by chemical reactions between NO_x and VOCs in the presence of heat and sunlight.



*The Valley has an overabundance of naturally emitted VOCs, NO_x controls are most effective for reducing ozone in the Valley.

Harmful to OUR Health



- 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
- Take more breaths per minute
- Spend more time outdoors

YOU can make ONE CHANGE

ON THE ROAD ——— and ——— AT HOME



Carpool, Ride the Bus, or Bike to Work/School



Switch to Electric Lawn Equipment



Reduce Trips or Trip Link



Switch to an Electric Vehicle



Avoid Idling at Schools and Drive-Thrus



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



Take advantage of Air District incentives at valleyair.org/grants
Tune Up your Vehicle • Exchange your Lawnmower • Purchase/Lease an Electric Vehicle



Check AIR QUALITY in YOUR AREA



- The Real-Time Air Advisory Network offers:
- Online access to current, hourly air-quality data
 - Automated email or texts when air quality worsens
 - Specific health recommendations for outdoor exercise

TAKE ACTION during an AIRALERT!

Alerts are issued when the Valley is experiencing conditions that may lead to exceeding a federal health-based ozone standard