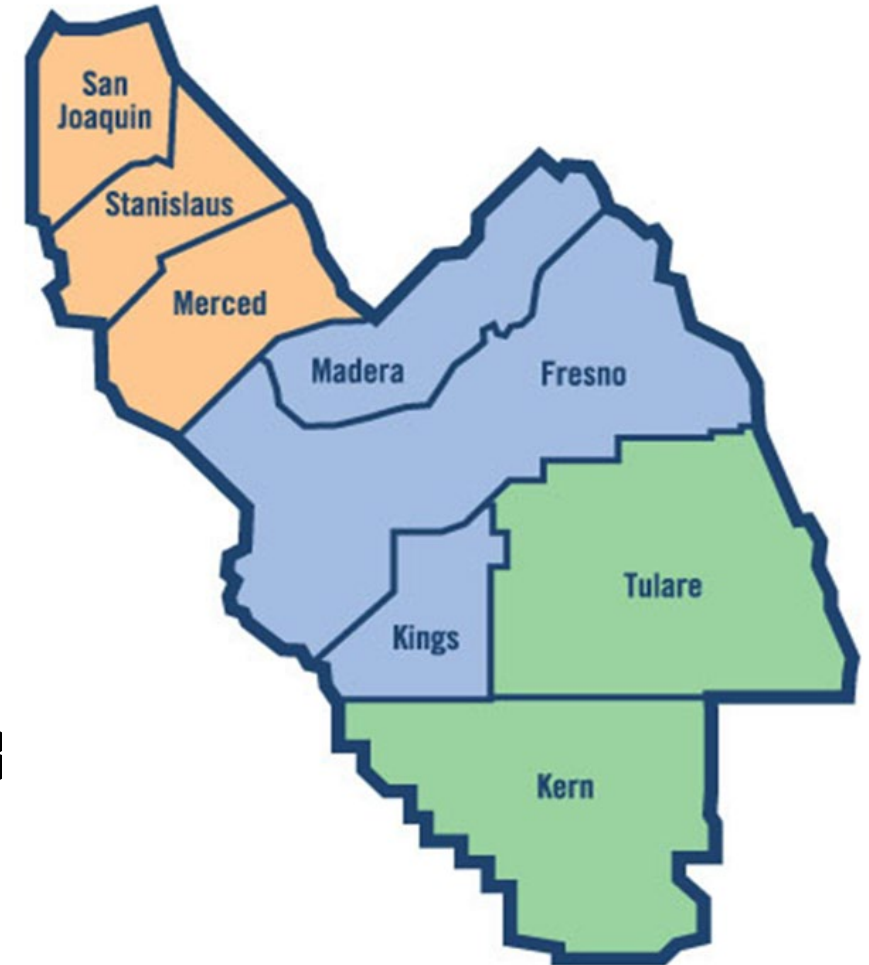


Air Quality in the San Joaquin Valley



Valley Air District

- **Regional agency responsible for air quality in 8 counties**
 - San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare & the valley air basin portion of Kern
- **15 member Governing Board**
- **Regulates stationary sources**
- **Provides grant funding**
- **Responsible for meeting EPA & CARB mandates to improve public health**



The District's Mission

The Valley Air District is a public health agency whose mission is to improve the health and quality of life for all Valley residents through efficient, effective and entrepreneurial air quality management strategies.

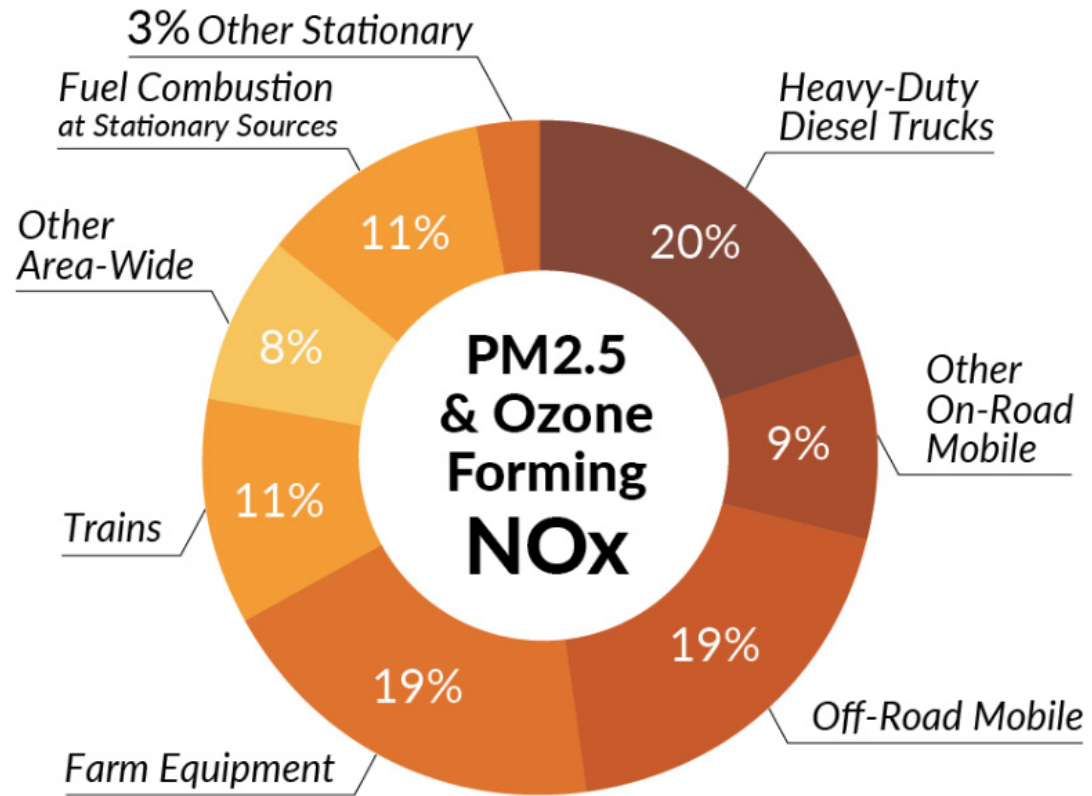


Valley Challenges Unmatched

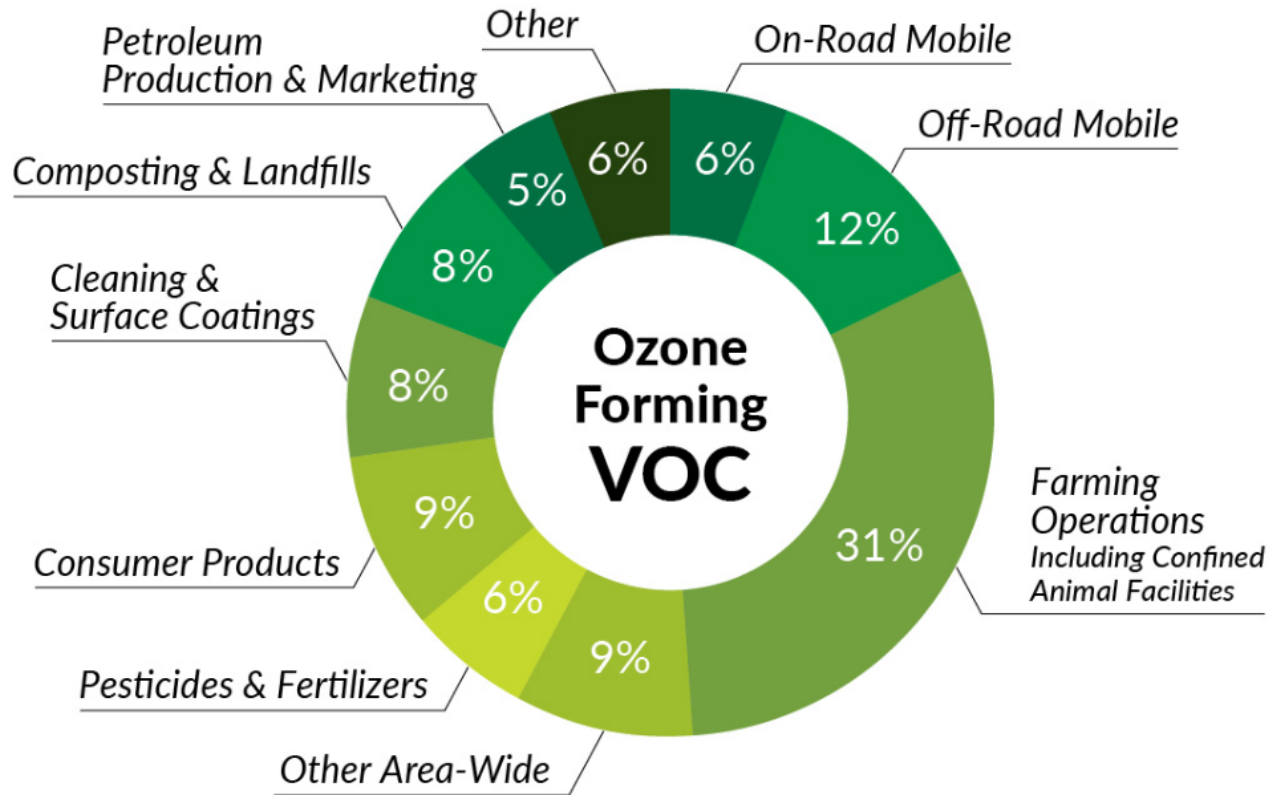
- Surrounding mountains and meteorology create ideal conditions for air pollution formation and retention.
- High rate of population growth, I-5 and Hwy 99 (major transportation arteries) run all the way through Valley.
- These challenges make it exceedingly difficult to meet federal, health-based ambient air quality standards for Ozone and PM2.5.



Sources of Air Pollution

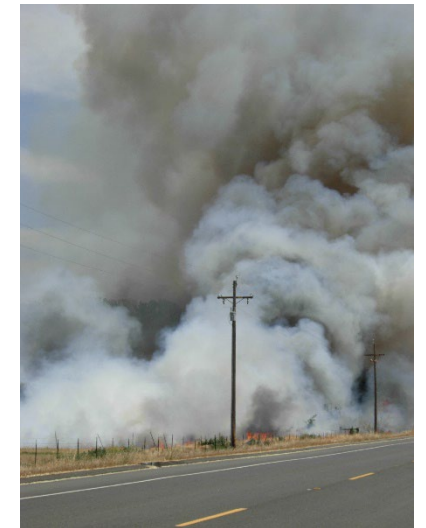


Sources of Air Pollution (cont.)



Particulate Matter

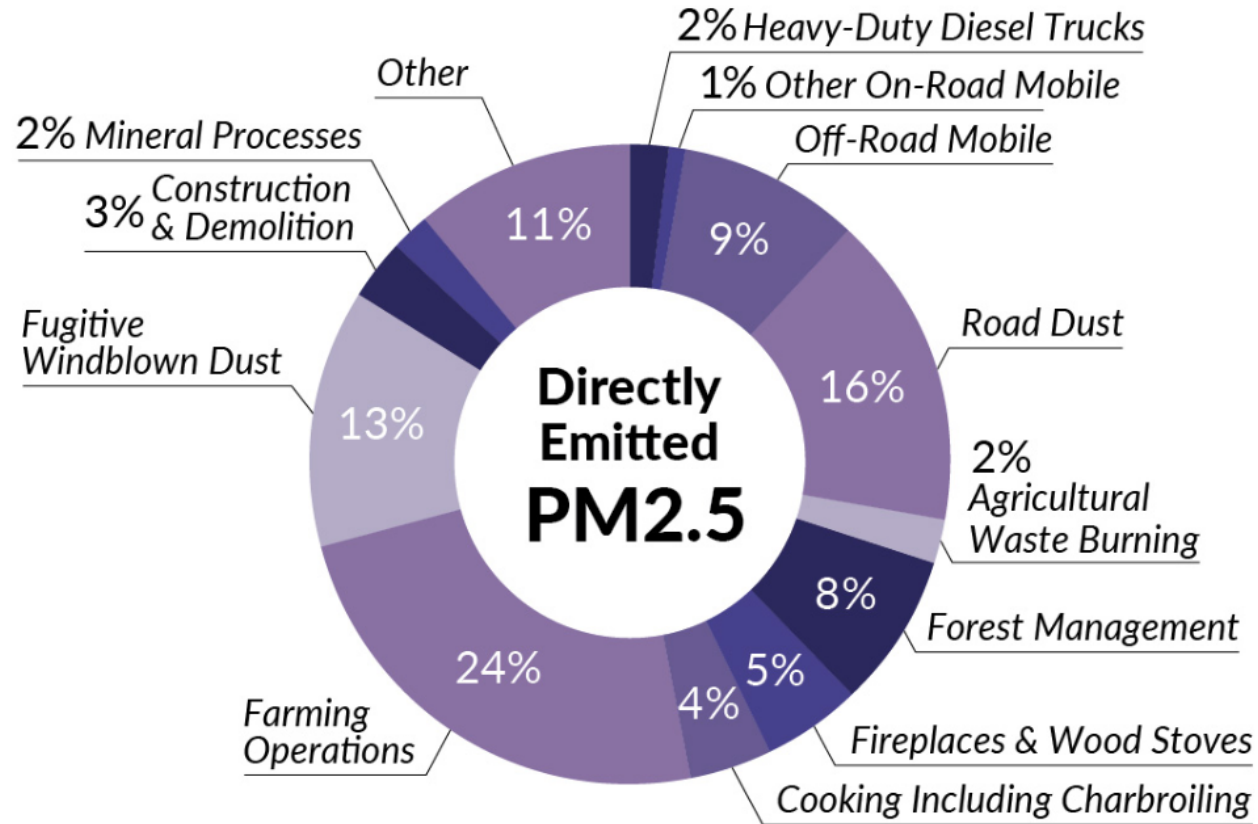
- **PM2.5 (Particulate Matter, 2.5 microns and smaller)**
 - Emissions from burning in fireplaces and wood stoves.
 - Also generated during wildfires.
 - PM2.5 is more harmful as it can travel deeper into lungs.
 - High concentrations can trigger heart attacks, strokes, worsen asthma and increase susceptibility to respiratory infections.
 - Strong correlation between PM levels, hospital admissions and premature death.



PM10 (Particulate Matter, 10 microns and smaller)

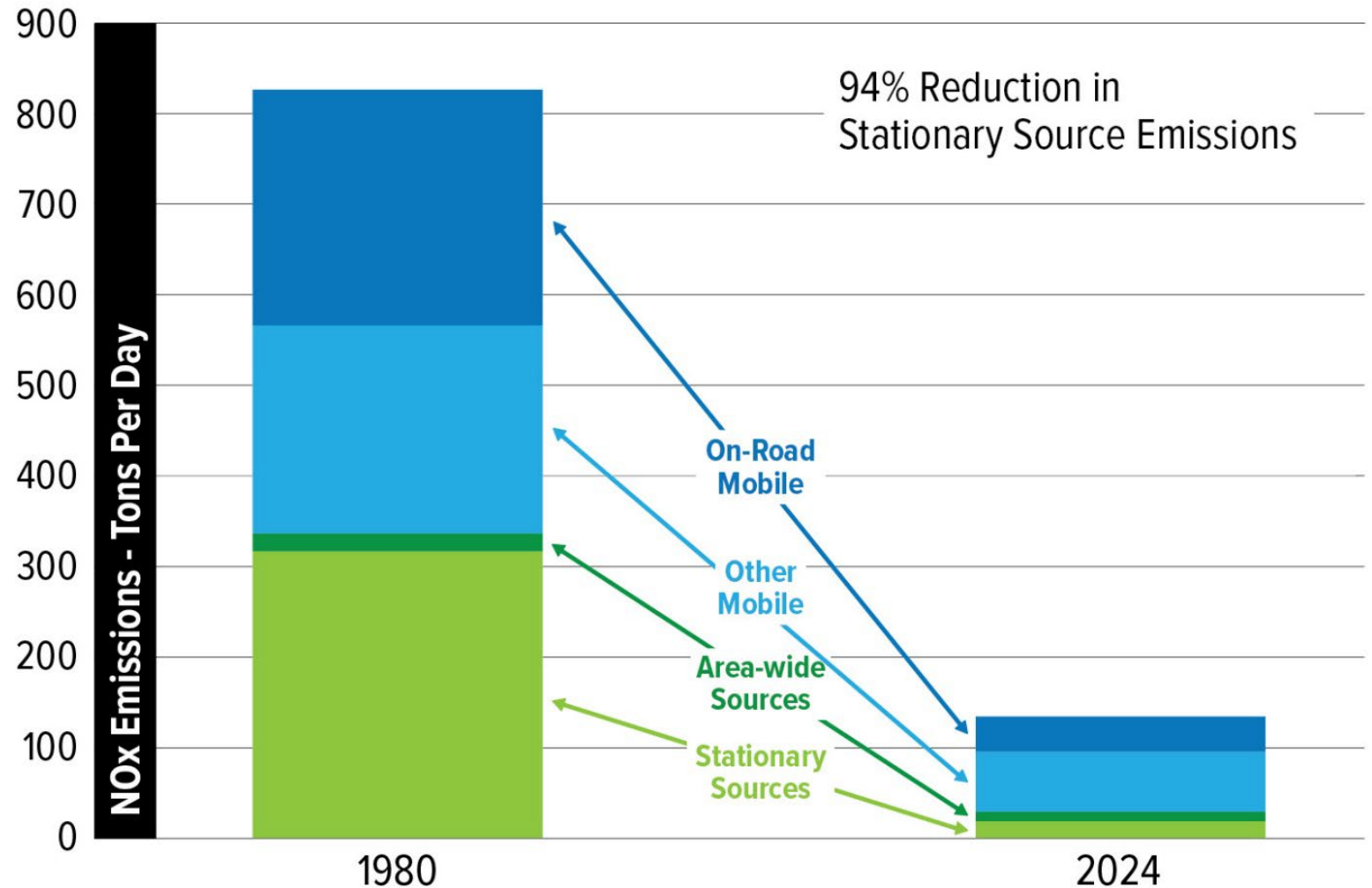
- Mostly dust and larger particles.

Particulate Matter Sources



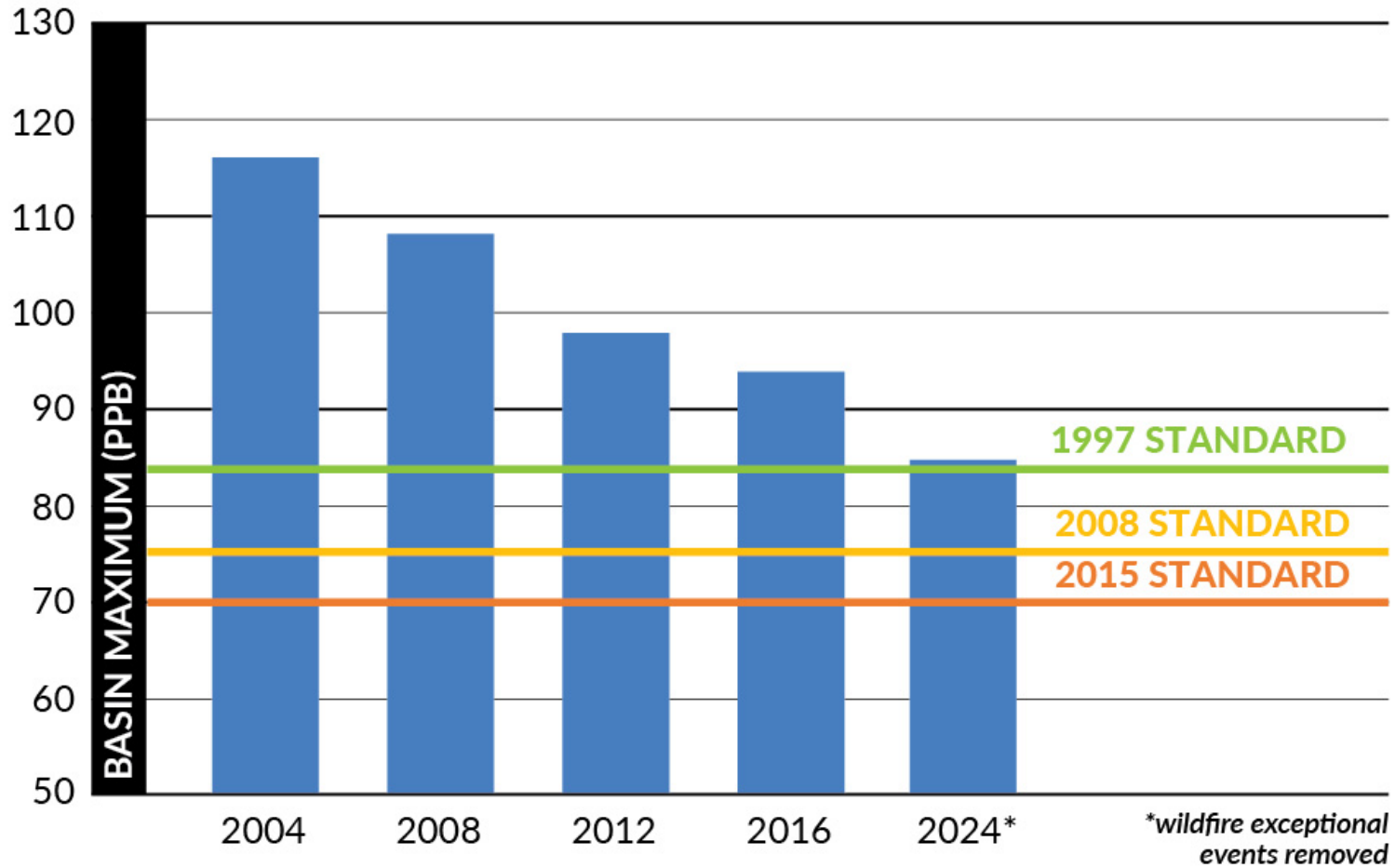
Progress to Date

Historic progress possible through investment and sacrifice by businesses and residents



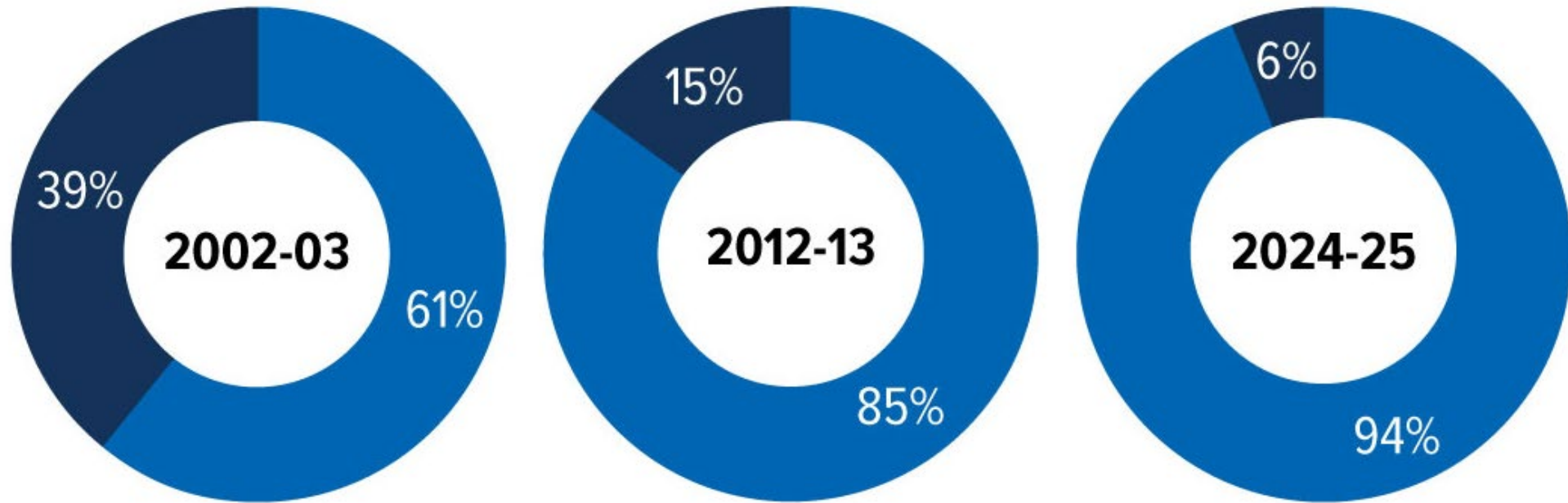
Progress to Date (cont.)

8-HR OZONE DESIGN VALUE PROGRESS



Progress to Date (cont.)

DAYS MEETING vs DAYS EXCEEDING the DAILY PM2.5 STANDARD DURING WINTER MONTHS (NOV-FEB)



Through the implementation of air quality improvement strategies in the Valley over the past 20 years, concentrations of PM2.5 have decreased significantly across the region, as displayed above.

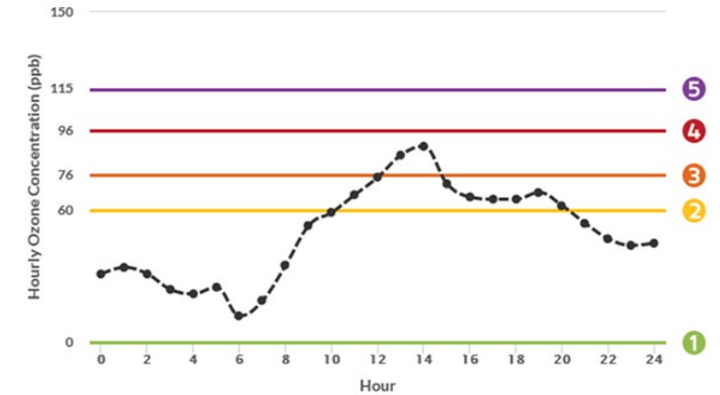
Receive current air quality information

RAAN – Real-Time Air Advisory Network

- myRAAN.com or the Valley Air App
- Hourly air-quality information for your area, 24 hours a day
- Access to actual concentrations of ozone and PM2.5
- Outdoor activity recommendations based on five different levels

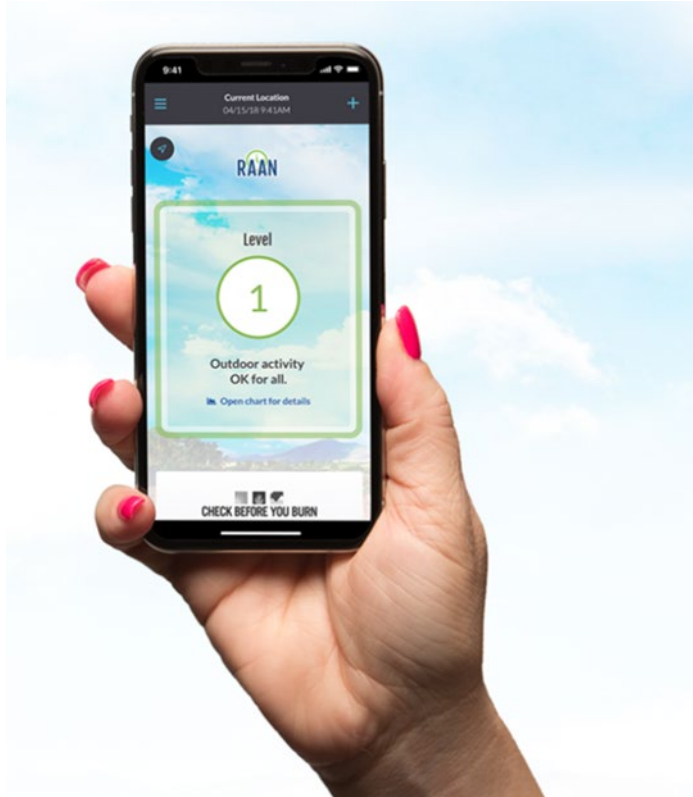
Additional air quality tools available, including:

AirNow.gov



ROAR Level	Guidelines
LEVEL 1	Outdoor activity OK for all
LEVEL 2	Sensitive individuals should consider reducing prolonged and/or vigorous outdoor activities.
LEVEL 3	Sensitive individuals should exercise indoors or avoid vigorous activities.
LEVEL 4	Sensitive individuals should exercise indoors. Everyone should avoid prolonged or vigorous outdoor activities.
LEVEL 5	Everyone should avoid outdoor activity.

Valley Air App





HEALTHY AIR LIVING™ SCHOOLS

- Engagement with Valley schools
- Educating children, parents and teachers on air quality and District programs
- Protecting health and well-being
- Encourage use of District's RAAN as a tool to modify outdoor activities based on air quality
- Anti-idling campaign (Eng/Sp signs available)
- Annual calendar contest
- Healthy Air Heroes Activity Kits for grades K-6



Grants and Incentives

- **Business**
- **Public agencies**
- **Residents**
- **Technology**

Through a combined public/private investment of more than \$7.2 billion to date, the District has been able to reduce tens of thousands of tons of harmful emissions through a variety of cost-effective, voluntary incentive programs.





What you can do

- Reduce vehicle emissions by carpooling, riding the bus, walking or riding your bike
- Avoid vehicle idling
- Seek ways to reduce energy at home and work
- Refrain from burning wood and never burn trash

- Use air-friendly lawn equipment
- Consider switching to an electric vehicle
- Keep gasoline vehicles well-tuned
- Take advantage of Air District grant programs: valleyair.org/grants



Report a Complaint

How to File a Complaint?

Please provide as much detail as possible including:

- Time, date and location of possible violation
- Describe what you see, smell and feel
See: Smoke, fire, dust, falling ash, etc.
Smell: rotten eggs, gasoline, oil, sweet, sour, smoke, etc.
Feel: burning eyes, throat/nose irritation, breathing problem, headache, etc.
- Your name, phone number and address (optional)

File a Complaint

“Valley Air” App

Free in the App Store or Google Play

Online

www.valleyair.org/complaints

Phone

Northern Region: 1-800-281-7003

San Joaquin, Stanislaus and Merced counties

Central Region: 1-800-870-1037

Madera, Fresno and Kings counties

Southern Region: 1-800-926-5550

Tulare and the Valley portion of Kern counties

Complaints about Smoking Vehicles

1-800-559-9AIR or 1-800-559-9247

Need more information?

Contact Outreach and Communications
public.education@valleyair.org

Fresno office (559) 230-6000
Modesto office (209) 557-6400
Bakersfield office (661) 392-5500

www.valleyair.org



Follow us on social media



Download the Valley Air app