Update on Arvin / Lamont Community Air Monitoring

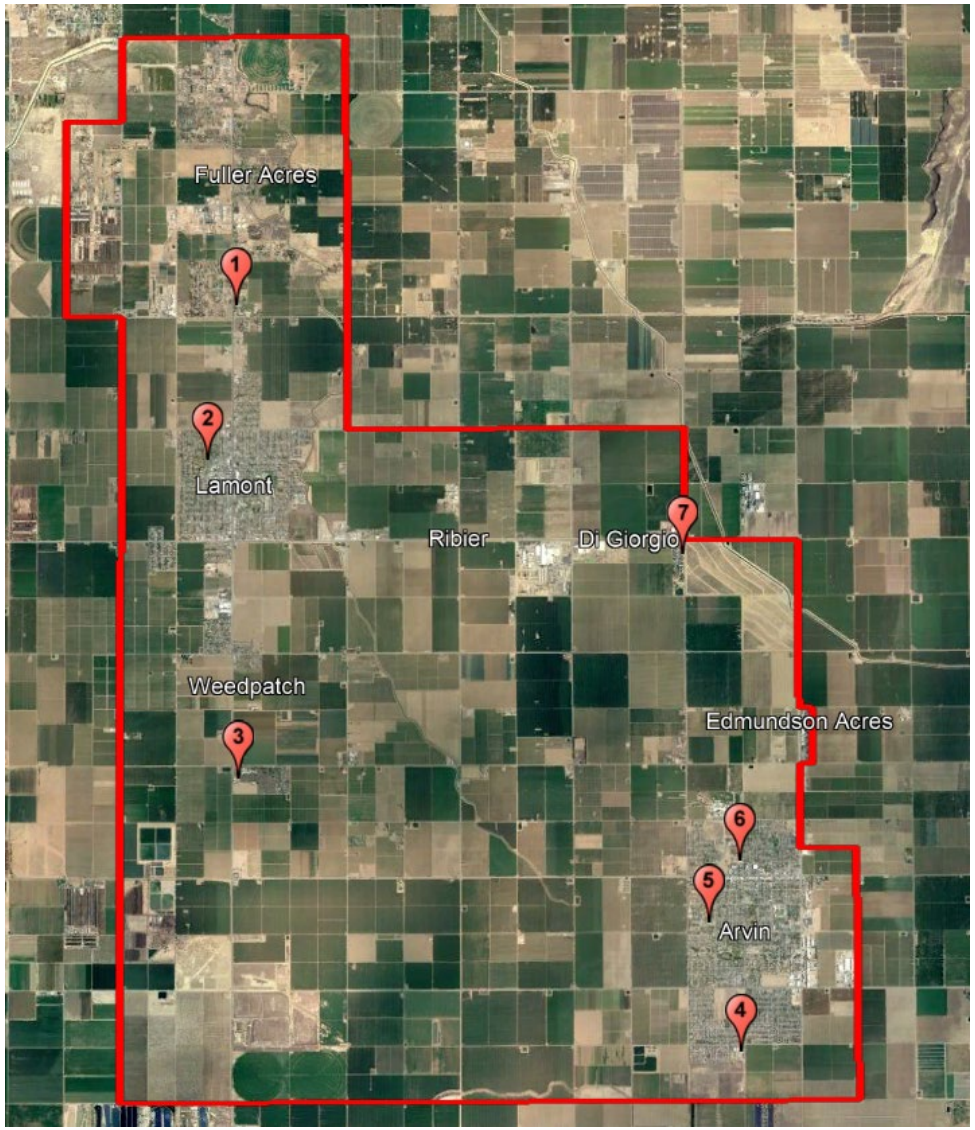
Arvin / Lamont CSC Meeting

February 26, 2025

Air Monitoring Update

- Status of Community Air Monitoring Plan Implementation
- Review Air Monitoring Data Collected
- Questions and Comments

CAMP Implementation Status



#	Location	Monitoring	Done
1	Mountain View Middle School	PM2.5, BTEX, H2S, SO2	Yes
2	Alicante Elementary	PM2.5, BTEX, H2S, SO2, NOx, Black Carbon	In progress
3	Sunset Middle School	PM2.5	Yes
4	El Camino Real Elementary School	PM2.5	Yes
5	Bear Mountain Elementary School	PM2.5	Yes
6	Arvin Community Services District	PM2.5, H2S, SO2, NOx, Ozone, CO, Black Carbon, Toxics	Yes
7	Di Giorgio & Comanche	PM2.5	In progress

Community Air Monitoring Platforms

Community Air Monitoring Platforms (cont'd)

Ongoing Community Air Monitoring

- District continuing to conduct localized air monitoring in the Arvin/Lamont AB 617 community
- Looking for an acceptable location to deploy PM2.5 monitor near Di Giorgio and Comanche
- Working with Lamont School District to deploy air monitor at Alicante Elementary School
  - Working on electrical infrastructure and final placement of equipment
- Air monitoring van available to monitor pollutants in areas of interest
- Lab analysis of air samples for PM2.5 and VOC speciation being conducted at Arvin CSD trailer site

Air Monitoring Update Summary

2024 Q3/Q4 PM2.5 levels slightly higher than 2023

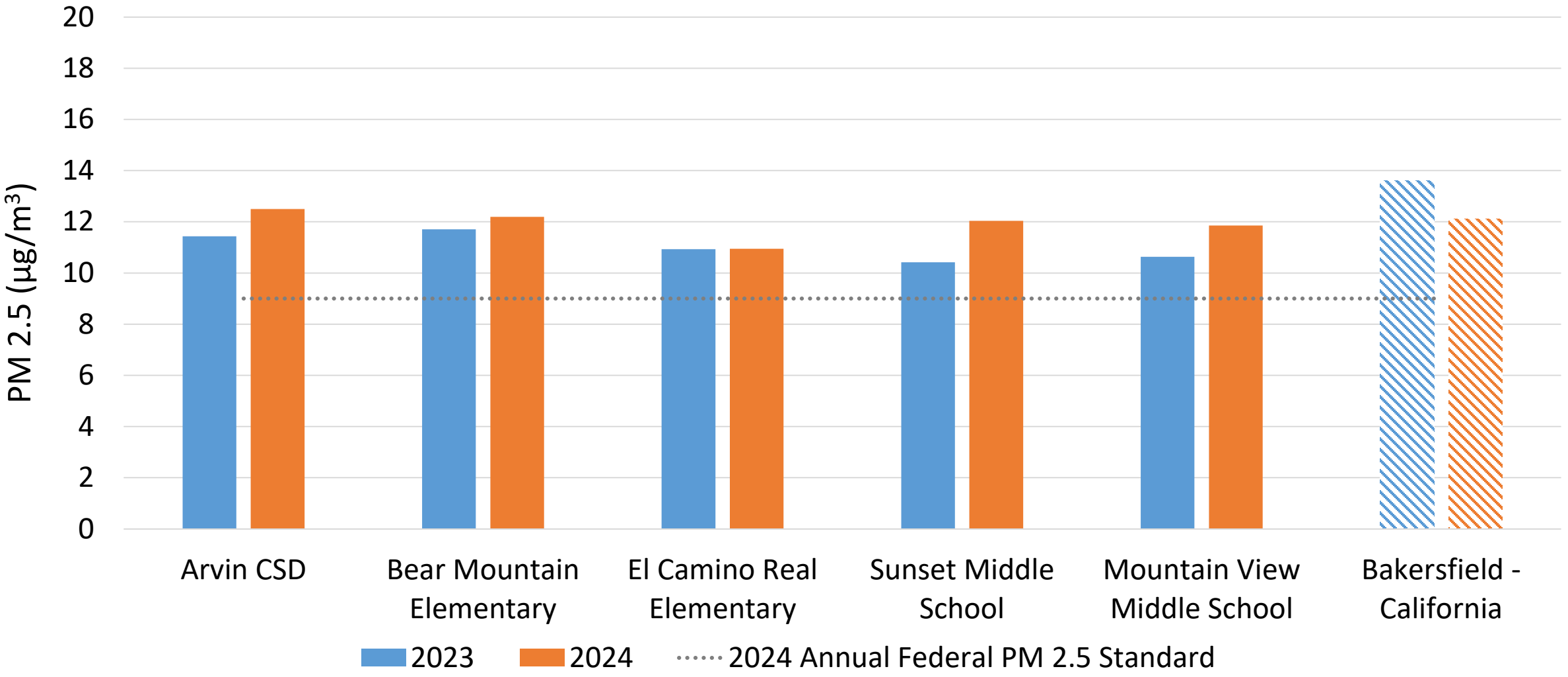
July 4th PM2.5 levels rose significantly due to fireworks

Cold, dry, and stagnant conditions in December contributed to elevated PM2.5 levels

Air monitoring data available online at your community portal

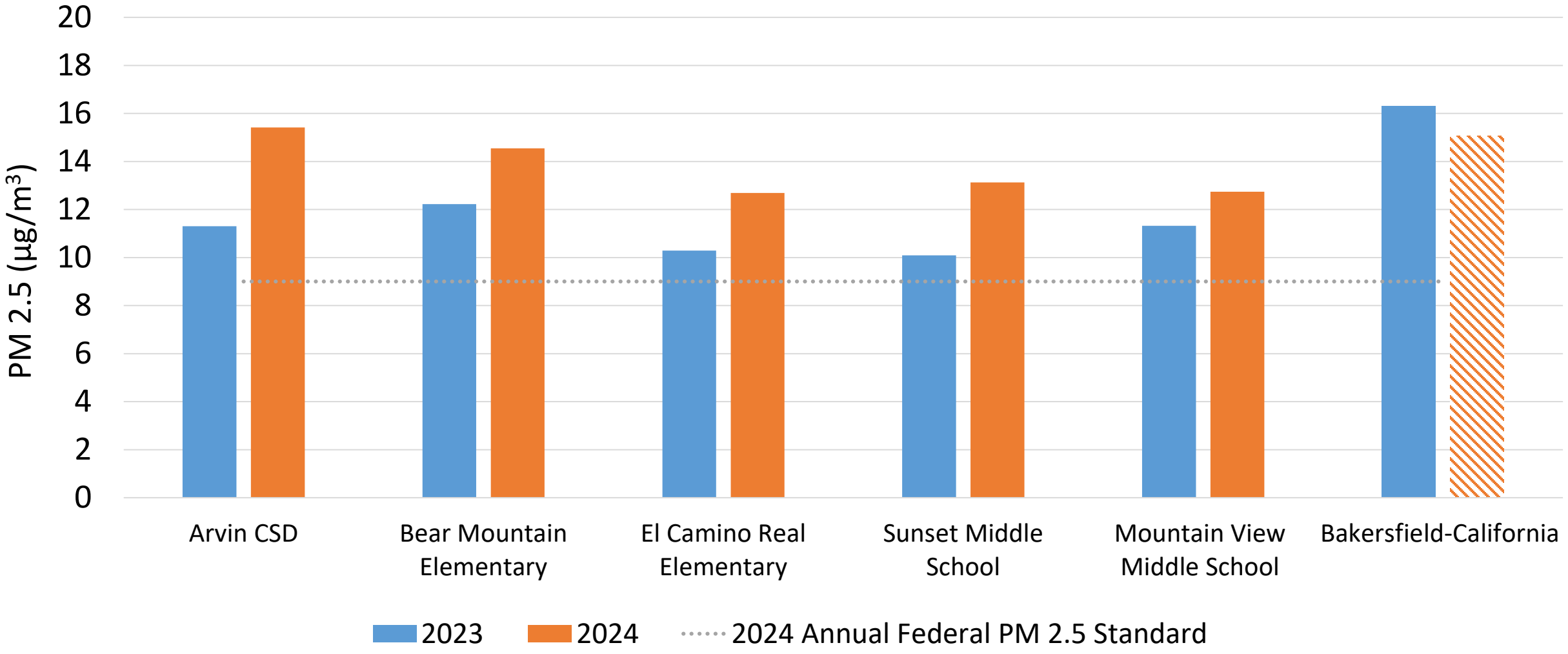
July-September Average PM2.5 Comparison

2024 Q3 PM2.5 levels slightly higher than in 2023



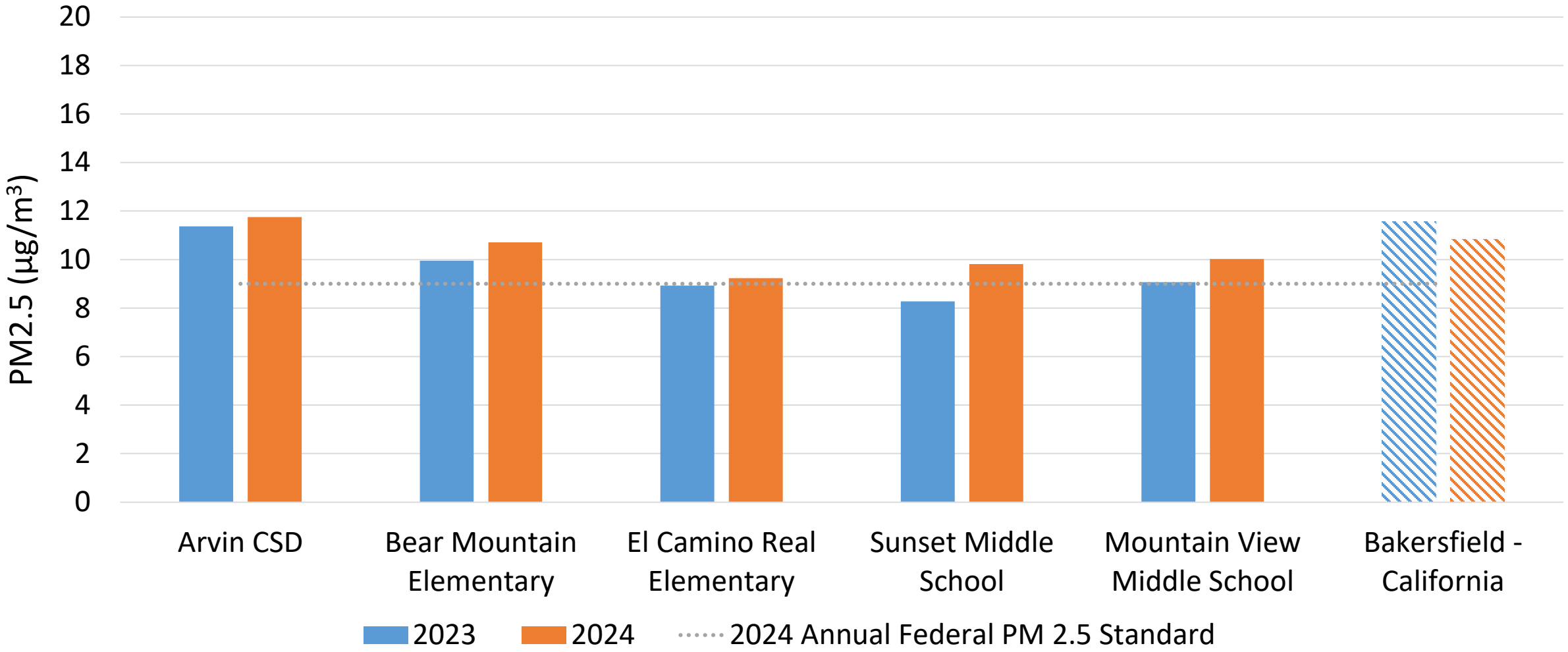
October-December Average PM2.5 Comparison

2024 Q4 PM2.5 levels slightly higher than in 2023



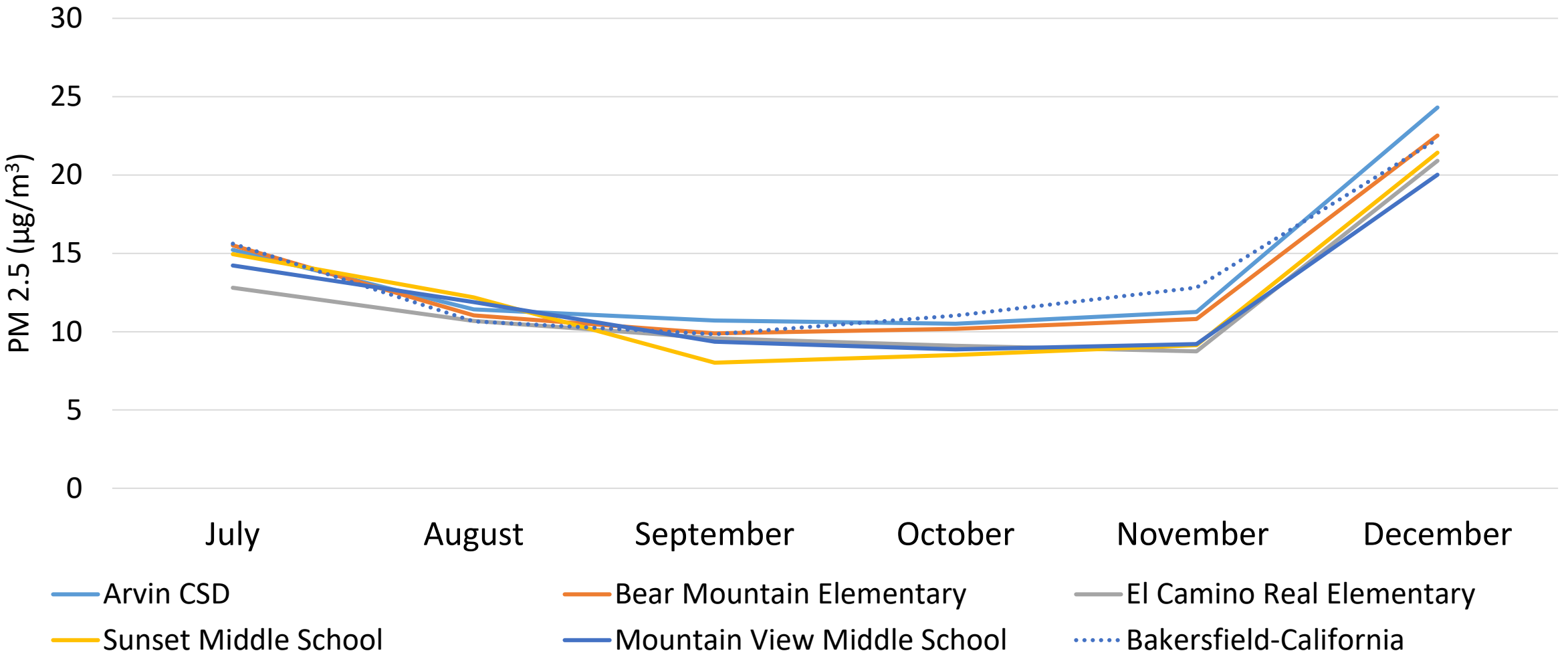
Annual Average PM2.5 Comparison

2024 PM2.5 levels slightly higher than in 2023



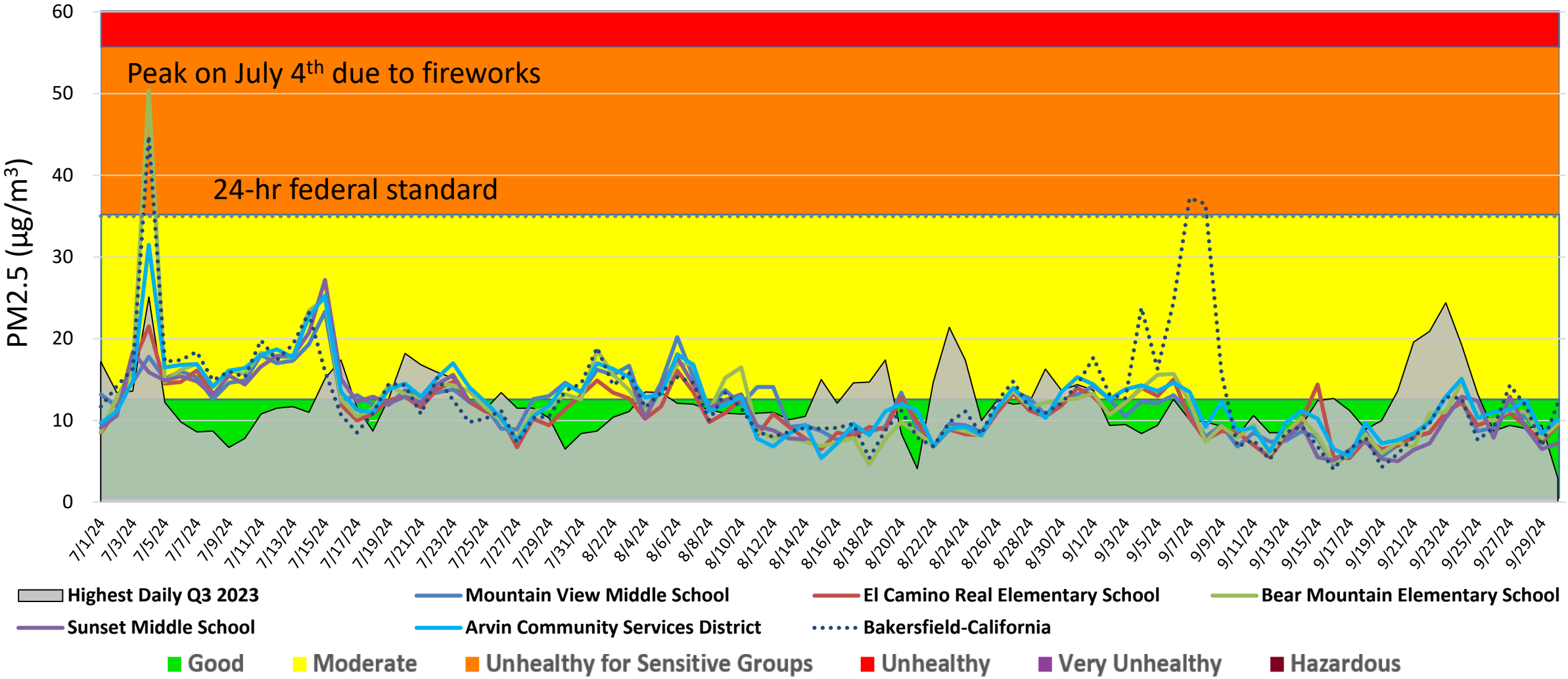
PM2.5 Monthly Average Comparison

Stagnation contributed to elevated PM2.5 in December



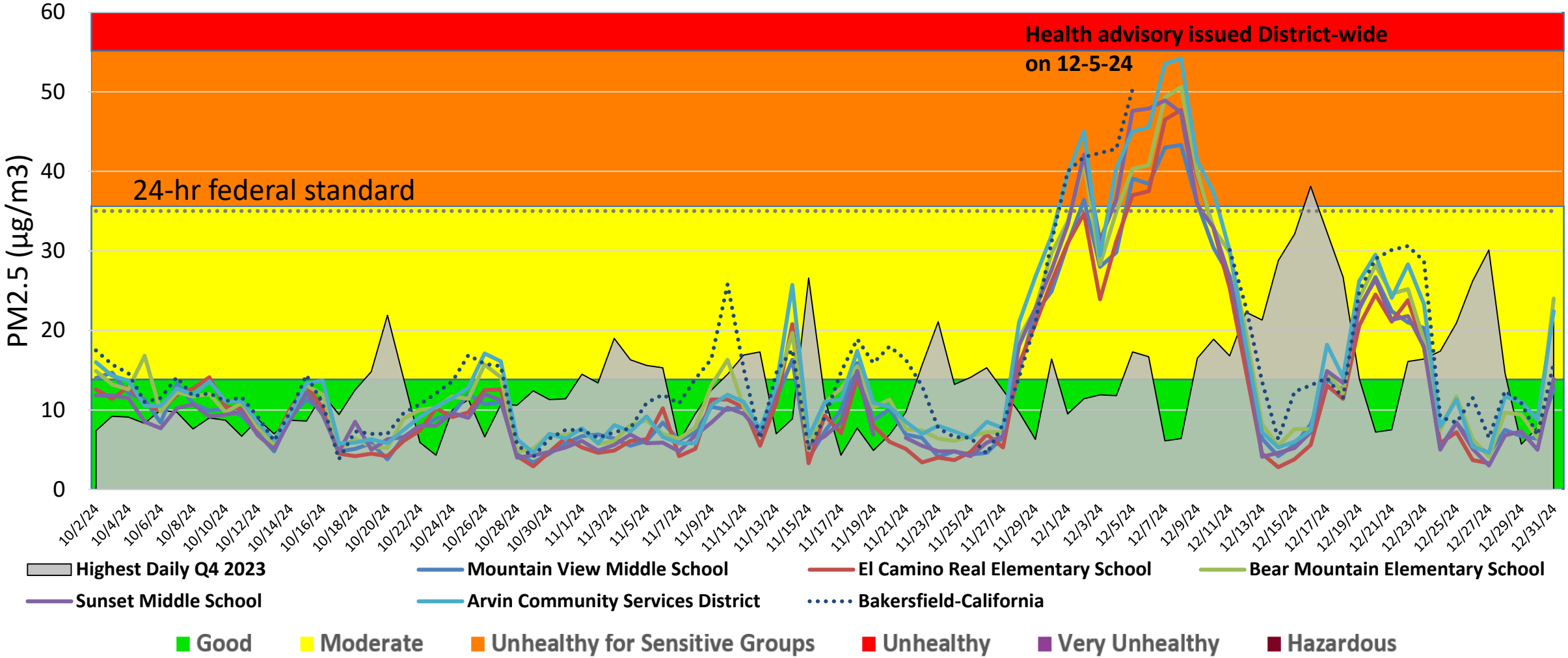
July-September PM2.5 Daily Average Comparison

Besides July 4th, PM2.5 levels in Arvin/Lamont remain below federal standard



October- December PM2.5 Daily Average Comparison

Cold, dry, and stagnant weather contributed to elevated PM2.5 in December



Stagnant Conditions in the Winter

NASA Worldview and Images from 12/5/2024

How can the District make sure the community knows that we expect worse air quality?

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

NEWS Release

HEALTHY AIR LIVING

www.valleyair.org 24hr Media Cell Phone (559) 309-3336

For immediate release 12/5/24

Attn: Local news, weather, health and assignment editors

Media Contact
Jaime Holt (559) 309-3336
Spanish-language contact
Ana Stone (559) 230-5851

High pressure trapping pollution in the Valley, Officials Issue Advisory

Air quality officials encourage limiting pollution generating activities

Air quality officials are advising San Joaquin Valley residents that local conditions are cold, dry and stagnant, causing PM2.5 emissions (particulate matter pollution) to accumulate, resulting in higher pollution concentrations throughout the Valley air basin. The air basin includes the counties of San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare and the Valley portion of Kern. The Valley Air District has issued an air quality advisory due to strong nighttime inversions and minimal winds are trapping pollutants on the Valley floor. The District strongly urges the public to take health-protective actions to stay safe when high PM2.5 levels affect the Valley, including following air-quality recommendations when making decisions about outdoor activities.

- News releases are issued before known and expected high pollution days
- District posts updates to social media sites like Facebook, X, and Nextdoor
- Keep health departments and schools notified

How can the District make sure the community knows that we expect worse air quality?

Valley Air District
@ValleyAir

Follow

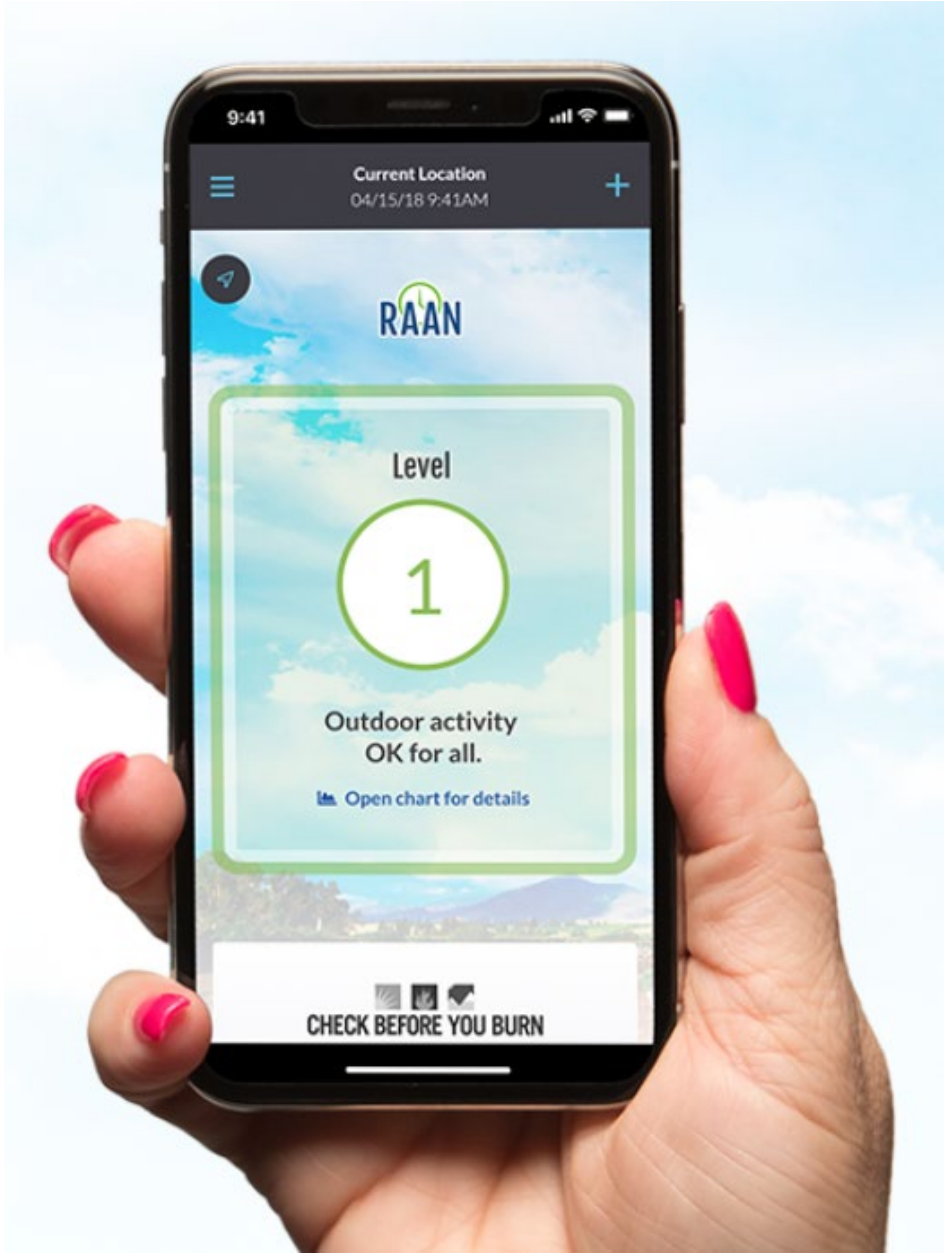
The Valley Air District has issued an air quality advisory due to strong nighttime inversions and minimal winds trapping pollutants on the Valley floor. The District strongly urges the public to take health-protective actions to stay safe. valleyair.org/news

4:40 PM · 12/5/24 · **5.4K** Views

Valley Air District @ValleyAir · Jul 31

Promote

With continuing active fires in CA, there is the potential for smoke impacts valley-wide. If you can smell smoke and see ash, that is an indication that you are being affected by poor air quality. Prepare now by visiting: valleyair.org/wildfires



How to File an Air Pollution Complaint

Complaints may be filed online, by phone, or by using the Valley Air app on your smart phone

- Complaints are responded to 365 days a year
- Your information is confidential
- Filing a complaint will put you in touch with an Air Quality Inspector assigned to the complaint

Tulare, Valley portion of Kern	(800) 926-5550

valleyair.org/complaints

Community Air Quality Data

- District AB 617 webpage at: https://community.valleyair.org/community-air-monitoring
  - Real-time community air monitoring data
  - Quarterly reports
  - Weekly air monitoring updates
- CARB's statewide air quality data portal (AQview) displays and provides community air monitoring data from AB 617 communities
  - AQview website located at: aqview.arb.ca.gov/
  - Air quality data from Valley AB 617 communities available at this website
  - Development ongoing, new features to be added

Comments/Questions?