



# Performance Audit Program Updates 2024

Quality Assurance Section

Aaron Plasencia

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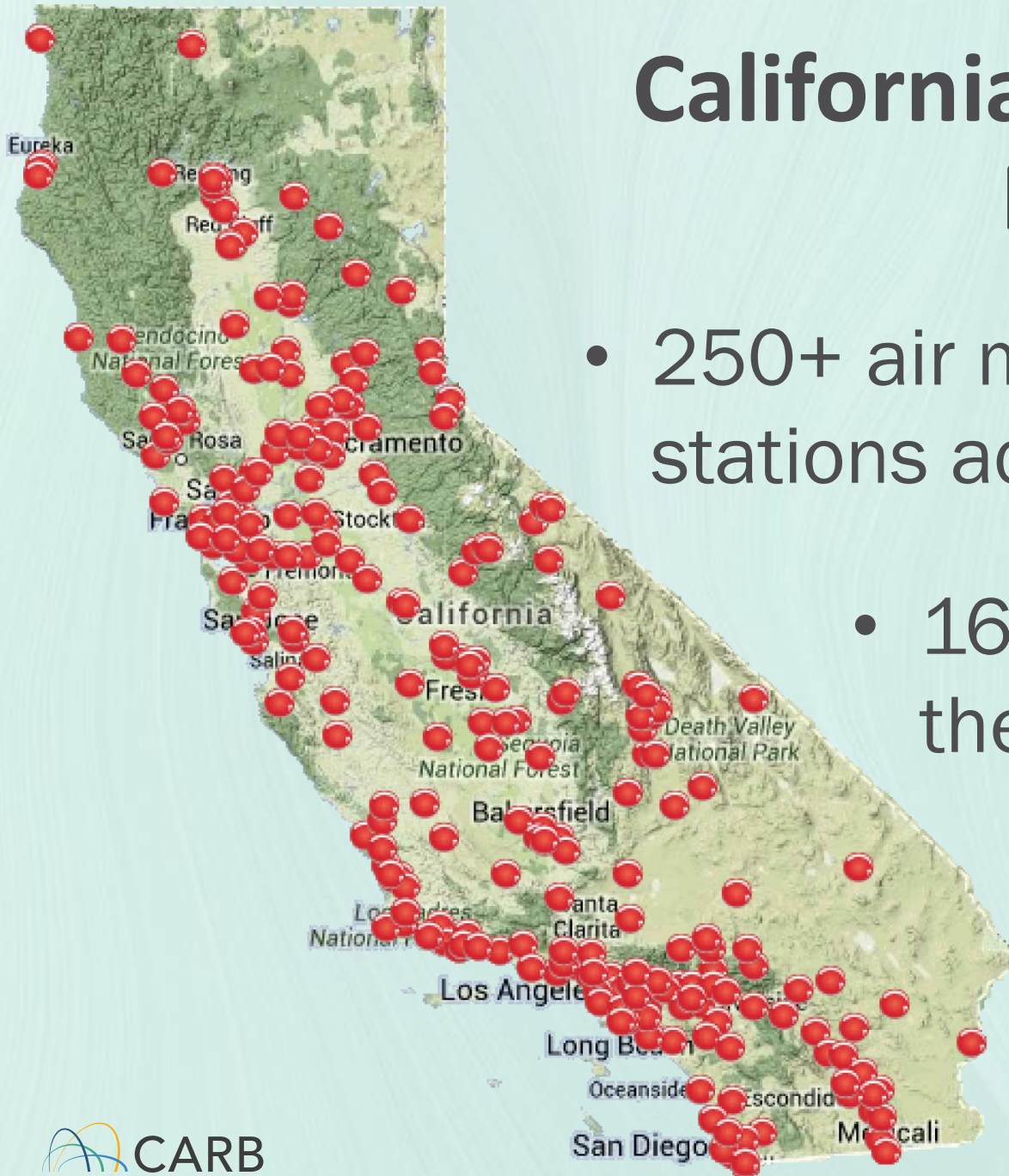
A Look Back

# 2023 Summary



# California's Air Monitoring Network

- 250+ air monitoring stations across California
- 169 stations in the CARB PQAO



# Audits Conducted in 2023

- Gaseous: 177
- Particulate Matter: 387
- Meteorological: 191
- Total Number of site visits: 289
- Number of sites audited: 174

# Audits Conducted in 2023

## Gaseous

- O<sub>3</sub>: 114
- CO: 14
- NO<sub>2</sub>: 36
- SO<sub>2</sub>: 7
- H<sub>2</sub>S: 6

## Particulate Matter

- HiVol PM10/TSP: 15
- LoVol filter-based: 40
  - PM10: 9
  - PM2.5: 31
- Continuous: 310
  - BAM PM10: 121
  - BAM PM2.5: 170
  - TEOM: 19
- SASS: 7
- Xontech: 15

## Meteorological

- Outdoor Temp: 66
- Wind Speed: 51
- Wind Direction: 51
- Barometric Pressure: 23

# Corrective Actions issued by QAS

Corrective Action  
Notifications  
(CAN) issued: 43

Air Quality Data  
Actions  
(AQDA) issued: 16

## Common Findings

- Use of expired equipment and cylinders
- Siting (distance from trees)
- Missing flow and leak verifications
- Expired zero-background tests for BAM samplers
- Audit criteria exceedances

# Technical Systems Audits (TSA)

Conducted in 2023

- Siskiyou County APCD
- Tehama County APCD

In 2024, CARB will conduct a TSA on 3 monitoring organizations.



# Additional Programs Supported by QAS



Salton Sea (Imperial Irrigation District)



Study of Neighborhood Air Near Petroleum Sources (SNAPS)



Geysers Air Monitoring Program (GAMP)



Department of Pesticide Regulation



Tribal Air Monitoring





# Challenges Overcome in 2023

- Vehicle Breakdowns
- Short Staffed
  - Retirement
  - Baby Boom
- Completing All Audits



A Look Forward

# Updates & Future Events



# 2024 Audit Updates

- BAM 72-Hour Zero Background Check
- Zero Air Generator Verifications
- Station Logbooks
- New Audit Levels
- Direct Read NO<sub>2</sub>



# Quality Assurance Team

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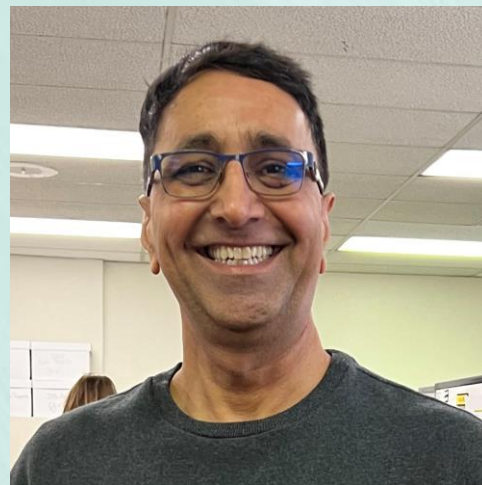
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# Questions?



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