

ECV CSC AGENDA

April 11, 2024 / *11 de abril de 2024*

Welcome and Roll Call
Bienvenida y Pasar Lista



CSC Roundtable
Mesa Redonda del CSC



Examining the Health Impacts of Short-Term Repeated Exposure to Wildfire Smoke
Examen de los impactos en la salud de la exposición repetida a corto plazo al humo de los incendios forestales



CERP Highlights
Lo Más Destacado de CERP



Working Team Updates
Actualizaciones de los Equipos de Trabajo



ECV CSC Opportunities
Oportunidades del CSC



Next Steps
Los Sigüientes Pasos



Public Comment
Comentario Público



Adjournment
Fin de la Reunión



ITEM 2

CSC
Roundtable

Mesa
Redonda del
CSC



**Examining
the Health Impacts of
Short-Term Repeated
Exposure to Wildfire
Smoke**

**Valexamen De
Los Impactos En La
Salud De La Exposición
Repetida A Corto Plazo
Al Humo De Los
Incendios Forestales**



Lived Experience and Impact of Repeated Wildfires in the Eastern Coachella Valley (ECV)

(21RD003)

Anna Lisa Vargas, CNC EF Eastern Coachella Valley (ECV)

Suellen Hopfer, PhD, University of California, Irvine (UCI) Public Health

Jun Wu, PhD, UCI, Environmental Health & Public Health, UCI

April 11, 2024

Eastern Coachella Valley (ECV)

- Threats for increasing frequency and intensity of fires & smoke in ECV
- Desert ecosystems like ECV are experiencing significant increase in invasive annual grass species, which are linked to a rise in large fires and areas burned. Burnt areas are recolonized by these same invasive grasses promoting re-burning, a process known as the grass–fire cycle. In addition, the rising temperature due to climate change extends the growing season for invasive grasses, which also leads to drier conditions, which desiccate vegetation and make it more flammable. Climate change is contributing to longer fire seasons due to earlier springs and later autumns.
- Abatzoglou & Kolden, 2011



Environmental Justice Framework Guided Planning of ECV Focus Group Discussions about Community Concerns, Experiences with Fire & Smoke

Privileges enlisting the voices and concerns of marginalized communities including farm workers

Emphasizes investigating and documenting context and community level vulnerabilities compounding risks in addition to individual level risk for wildfire

Emphasizes health of communities as a priority

Links environmental justice considerations with public health, climate action, and disaster planning

Wildfire Community Vulnerability Framework

also guided focus group discussions with community residents

- ❖ Multi-generational households
- ❖ Households with family members with disabilities, family who are >65, rural, mixed status families
- ❖ Housing - Mobile Homes
- ❖ Monolingual Spanish speakers
- ❖ Lower income families

Davies, I. P., Haugo, R. D., Robertson, J. C., & Levin, P. S. (2018). The unequal vulnerability of communities of color to wildfire. PLOS ONE, 13(11), e0205825.

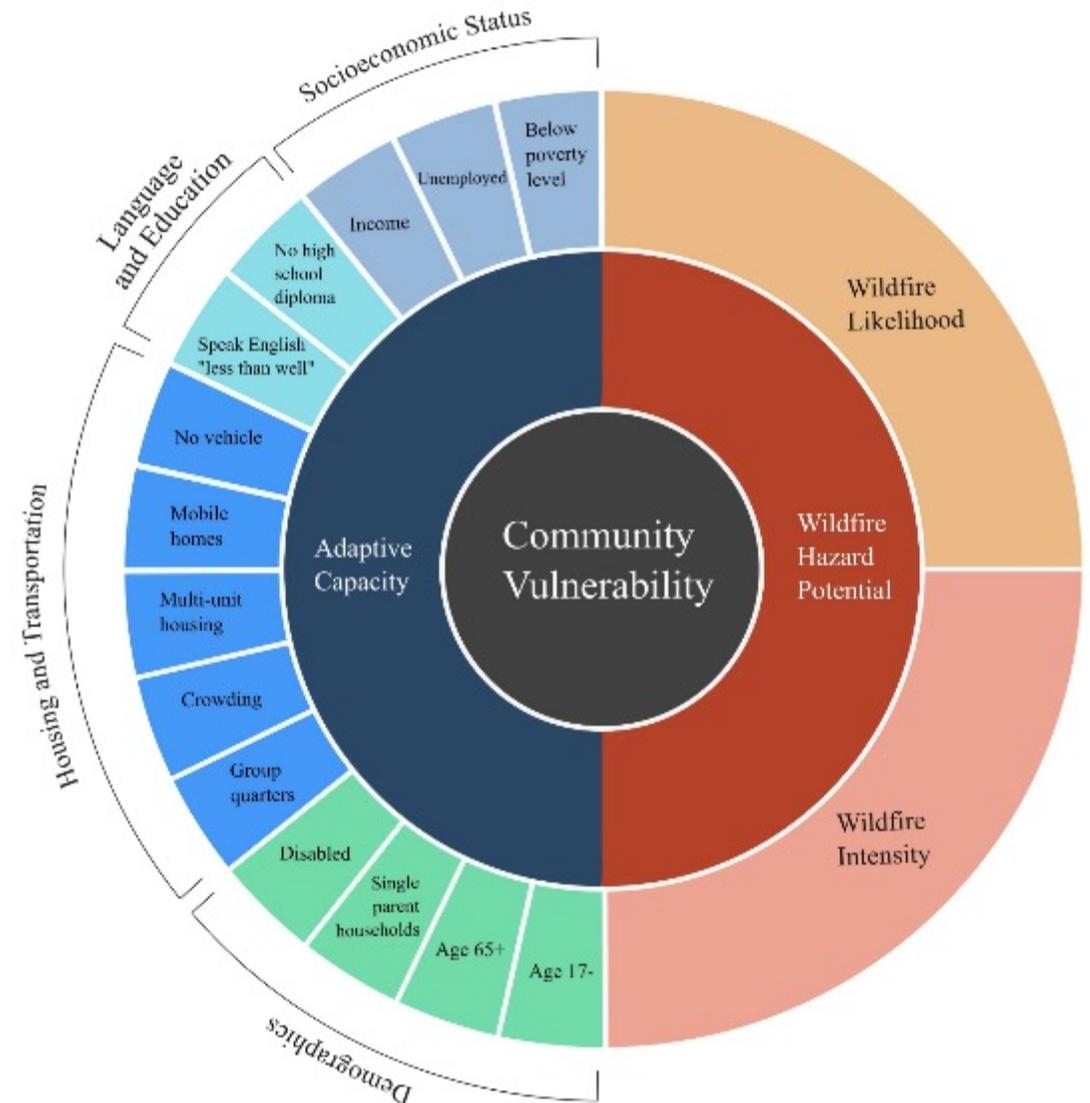


Fig 1. This wildfire vulnerability framework reflects both the potential of wildfire and the adaptive capacity of a census tract. Outer wedges represent the respective components of wildfire hazard potential and census tract adaptive capacity, though the size of the wedges does not correspond to any weighting scheme.

ECV Community Concerns related to Smoke, Fire & Air Quality



Anna Lisa Vargas, CNC EF community lead organizer



Mayte Ruiz Garcia, CNC EF community organizer

- 10 Focus groups were conducted Spring 2023 with 118 community residents
- Mecca, Thermal, North Shore, Oasis communities
- Anna Lisa Vargas, CNC EF community leader, member of ECV CSC was the moderator and led these efforts
- 5 Research Questions
 - Fire & smoke experience stories
 - Health impacts
 - Daily life disruptions
 - Protective action taken
 - Community strengths
 - Communication preferences for future

Findings

- **Stories/Narratives of personal fire & smoke accounts**
- **Health impacts**
 - **Respiratory: worsening asthma, breathing difficulty**
 - **Dermatological: irritated and itchy skin**
 - **ENT (ear, nose, and throat) – sinus**
 - **Headaches/migraines**
 - **Eyes**
 - **Allergies**
 - **Mental health impacts – fear, depression, anxiety**



Findings



Daily disruptions from smoke & frequent fires

- School closure
- Outdoor activities substantially reduced (for children) due to smoke
- Smoke during work in the fields or unemployment
- Energy impacts on households
- Financial impacts – high water and gas bills post fire

Protective actions people took

- Stayed indoors, closed windows, ac or fan on, wearing masks, drinking water

Community interactions a community strength

- Residents alerted each other when there was smoke or a fire
- Community group chats set up to alert each other

Community level factors impacting fire & smoke response

- Illegal dumping and burning of e-waste and green waste
- Trash pervasive in community – trash services not affordable, residents may burn trash
- Extreme heat
- Wind/dust storms

Community Level Vulnerabilities that Compound Risk and Response to Wildfires & Air Quality in SJV

- **Sub-standard living conditions/housing (extreme rent burden)**
- **Need for information in languages other than English e.g., Spanish**
- **Poverty**
- **Unincorporated communities**
- **Other extreme weather events (extreme heat, drought, wind/dust storms, flooding, water contamination)**
- **Dry overgrowth after heavy rain**
- **Illegal trash dumping**
- **Unhoused community**
- **Environmental hazards and air pollution from other factors e.g., pesticide drift, fugitive dust**
- **Poor infrastructure and built environment (e.g., paved roads) impacting evacuation routes**



Additional High Priority Community Concerns





**Justin Karp, Battalion Chief 6A
Riverside Unit**



Desired Information for the future

- **More information about health effects of wildfires**
- **Guidance on finding shelters during evacuations including for undocumented individuals**
- **Preparing for wildfire in the event of severe smoke**
- **Who to contact during a wildfire**
- **Essentials of emergency preparedness including how families with members who have disabilities can prepare**
- **Availability of post-fire resources including financial, energy & mental health support**
- **Knowledge about evacuation routes including alternatives to ensure readiness**
- **Education & awareness about factors that can contribute to wildfire**
- **Local smoke alerts desired**



Communication Preferences for Future Fire & Smoke Alerts

- As many channels as possible
- Spanish, bilingual
- Phone notifications – text and sound alerts
- Radio
- TV
- QR codes with links to emergency and fire contacts
- Siren alerts
- Social media



Consejos y recomendaciones útiles para las familias incluyen:

LA COMUNICACIÓN

Escuchar tantos canales como sea posible para recibir alerta y educación sobre los impactos de los incendios forestales.



Recursos educativos y los sitios web

Federal: <https://www.cdc.gov/air/wildfire-smoke/default.htm>

Local: <http://www.aqmd.gov>

Regional: <https://www.aquriski.com/risk/state/california/riverside-county/06065>



Consejos y recomendaciones útiles para las familias incluyen:

AIRE LIBRE (AFUERA)

IMPORTANTE: Si usted o otros están en peligro, marque al 911 y busque un lugar seguro inmediatamente.



En su teléfono móvil descargue una aplicación para revisar la Calidad del Aire a través del Índice del Aire local.

Consejo Lúcete

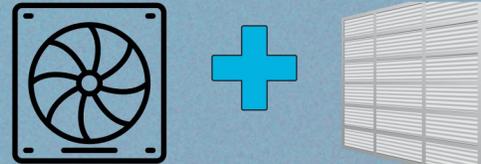
Si está conduciendo en un carro o vehículo, ponga su Aire Acondicionado o Ventilador en modo de recirculación. Guarde cubre bocas KN95 adicionales en su vehículo para estar preparado en caso de un incendio forestal, humo, o un día con aire muy contaminado.



Consejos y recomendaciones útiles para las familias incluyen:

INTERIORES (HOGAR)

Cree una sistema de filtración interior fácil y económico cuando permanece en su hogar con un ventilador de caja y un filtro de aire MERV 13



Recursos e información

El costo total para la sistema de filtración interior es de \$30.00 - \$40.00

El costo para un filtro de aire MERV 13 de reemplazo es \$15.00 o \$40.00 para un paquete de cuatro filtros.



Consejos y recomendaciones útiles para las familias incluyen:

AIRE LIBRE (AFUERA)

Utilice cubre boca KN95 en caso de humo o incendio y cuando la calidad del aire sea muy mala. Asegúrese de colocar su cubre boca correctamente y oprimir la parte sobre la nariz.



IMPORTANTE: Solamente, cubre boca KN95 lo protege de materia particulada (PM 2.5) que es un contaminante relacionado con el humo.

Consejo Lúcete

Puede comprar cubre bocas KN95 por mayoreo en varios sitios de web o también puede visitar su farmacia local.



Consejos y recomendaciones útiles para las familias incluyen:

LA COMUNICACIÓN

En su teléfono móvil descargue la aplicación: California Smoke Spotter (Observador de humo de California) para actualizaciones sobre incendios forestales y/o eventos de humo en su comunidad.



Short term solutions to protect your family & yourself against smoke

Long term Solutions & Strategies



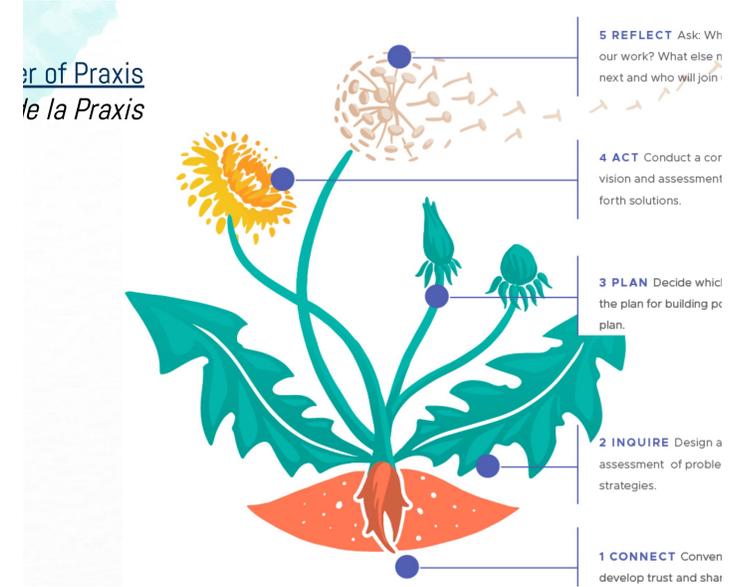
Supporting policies in California focused on improving health of Californians, policy around cleaner energy sources, sustainable agriculture



Implementing educational curriculum for K-12 but also for adults around wildfires and climate change



Understanding what contributes to poor air quality and health impacts with goal of lowering emissions from harmful sources



ECV conducting 10-week community capacity building workshops

- Community residents participate 2x week Feb-June 2024
- Community driven priorities, experiences
- Collaboratively decide priority community concern
- Collect data
- Analyze
- Convene with stakeholders



**¡CUIDAMOS
NUESTRO
AIRE!**

WE CARE FOR OUR AIR!



Invitada Especial Suellen "Elena" Hopfer, PhD
Investigadora y Profesora de la Universidad de
California, Irvine | Programa en la Salud Pública

**ANUNCIOS Y OPORTUNIDADES
| EL PROYECTO DE
EXPERIENCIAS DE INCENDIOS
FORESTALES Y HUMO**

**FECHA: SABADO, 20 DE
ENERO | 11:00 AM - 1:00 PM
LUGAR: PARQUE
COMUNITARIO DE MECCA
65-250 COAHUILLA ST
MECCA, CA 92254**

**TENEMOS MUCHO
QUE COMPARTIR
CON ACTIVIDADES,
COMIDA Y
DIVERSION!**



QUESTIONS?



**CARB
Update**

**Actualización
de CARB**



CARB Updates April 11, 2024

Eloy Florez

Eloy.florez@arb.ca.gov

Eastern Coachella Valley Community
[Office of Community Air Protection \(OCAP\)](#)

Community Air Protection Program Funding

Community Air Grants (CAGs)

Cycle 5 Coming Soon!!

Up to \$16 million available!

- Who can apply?
 - California community-based non-profit organizations
 - California Native American Tribes
- What can you apply for (project categories)?
 - Educational projects - \$300,000 maximum per project
 - Technical or Targeted projects - \$500,000 maximum per project
- Public engagement process starting late Spring 2024

Examples of what Community Air Grants are being used to fund include, but are not limited to:



✓ Community engagement and outreach related to AB 617



✓ Hiring consultants and/or technical experts



✓ Travel and logistical support for hosting and/or attending meetings related to AB 617 (i.e., room rental, meeting facilitation, transportation)



✓ Community operated air monitoring



✓ Data collection and analysis, including community based participatory research projects

Community Air Protection Program Funding

Community Air Protection Incentives ([CAP Incentives](#))

Who Can Apply? Varies by project type

New Project Types in Guidelines

-  Agency Partnerships
-  Community Greening and Vegetative Barriers
-  Emergency Diesel Generator Replacement
-  Paving, Sidewalk, and Bike Path Projects
-  Dial-A-Ride Vehicle Replacement
-  Alternatives to Agricultural Burning
- Low Dust Nut Harvesting
- Chrome plating facilities

Resources:

- ☺ **Orientation for Community Air Protection Incentives, available [online](#)**

Supplemental Environmental Projects (SEP)

What are SEPs? Projects funded by enforcement settlement penalty fees. They can fund projects in your community.

Who can apply?

- 501(c) (3) nonprofit organizations
- Tribal Nations
- Local, regional, or state entities
- Businesses

What can you apply for (project categories)?

-  Pollution Prevention or Reduction
-  Environmental Restoration and Protection
-  Education and Compliance Training
-  Community Monitoring
-  Other

Mobile asthma clinic

No idling signs on school routes

Wilmington Weather Station

Insecticide reduction empowerment school program

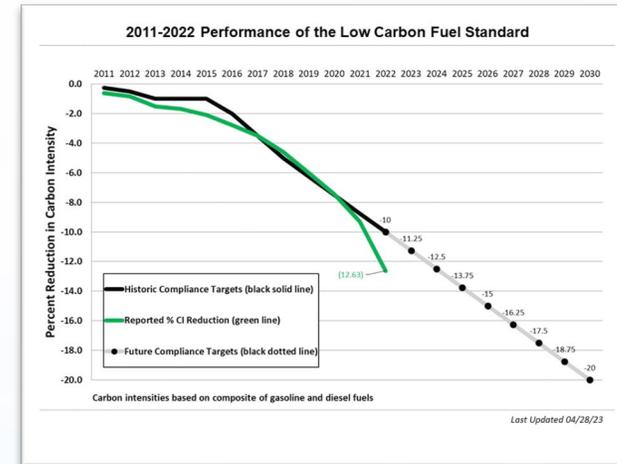
Marine Vessel Speed Reduction Incentive Program



State Rulemaking

2024

- Low Carbon Fuel Standard
- Zero-Emission Forklift Regulation
- On-Road Motorcycles Regulation





CERP Highlights

*Lo Más Destacado
de CERP*

ITEM 4

**Working Team
Updates**

***Actualizaciones de
Los Equipos de
Trabajo***

Eastern Coachella Valley (ECV) Community Emission Reductions Plan (CERP) Implementation Highlights

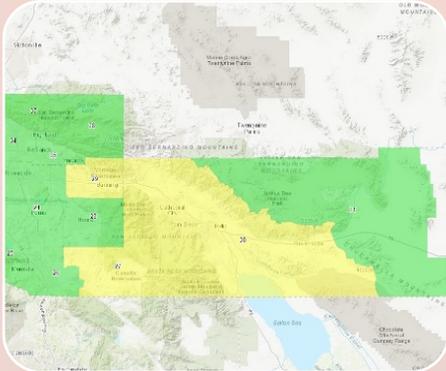
Pami Mukherjee, PhD
Air Quality Specialist

Community Steering Committee Quarterly Meeting # 2

Thursday, April 11, 2024



Update on CERP* Objectives



Residential Air Filtration Program
ECV-5B-03A
ECV-5C-02C
ECV-5D-03B
ECV-5E-03C
ECV-5F-01A
ECV-5G-01A

Paving Project ECV-5D-02A

Greenleaf Desert View Power Plant and Title V Permitting Process ECV-5G-01A

Air Quality Notification, Health Advisories, and Forecasts for the Coachella Valley ECV-5B-02B

*<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/eastern-coachella-valley/final-cerp/final-cerp-july-2021.pdf?sfvrsn=9>

Residential Air Filtration Program – Background

CERP Objectives

- **Salton Sea:** Chapter 5B, Objective 3A
- **Pesticides:** Chapter 5C, Objective 2C
- **Fugitive Road Dust and Off-Road:** Chapter 5D, Objective 3B
- **Open Burning and Illegal Dumping:** Chapter 5E, Objective 3C
- **Diesel Mobile Sources:** Chapter 5F, Objective 1A
- **Greenleaf Desert View Power Plant:** Chapter 5G, Objective 1A

Goal

Reduce exposure to air pollution



RESIDENTIAL AIR FILTRATION PROGRAM UPDATE

Eastern Coachella Valley

April 11, 2024

Frances Maes

Air Quality Specialist



NOW ACCEPTING APPLICATIONS

- Visit www.aqmd.gov/raf to begin an application

Where Can I Apply for Residential Air Filtration

South Coast AQMD is now accepting applications for residential air filtration units. The program is first come, first served, and the availability of air filtration units is not guaranteed. South Coast AQMD will not accept incomplete applications and will only evaluate signed and submitted applications.

Please follow the link below to submit your application.



[Click here to begin Application](http://www.aqmd.gov/raf)



HOW TO APPLY

- 1** Visit Website
 - ✓ Go to aqmd.gov/RAF
 - ✓ Click 'Begin application'
- 2** Fill Form
 - ✓ Fill in the online application
- 3** Choose Unit
 - ✓ Review spec sheet and compare units
 - ✓ Choose two units: Preferred, Backup
- 4** Attach
 - ✓ Add document to verify residence
 - ✓ Utility bill (gas, water electric) or property tax statement
- 5** Submit
 - ✓ Review Application for accuracy
 - ✓ Electronically sign and submit

QUESTIONS / COMMENTS?



For additional information visit:

www.aqmd.gov/RAF

or email:

617airfiltration@aqmd.gov

Paving Project – Background

CERP Objective

- **Fugitive Road Dust and Off-Roading:** Chapter 5D, Objective 2A

Goal

Reduce emissions from fugitive road dust and off-roading

Paving Project – Implementation Update



Background

- Program Announcement (PA 2024 – 01) issued for a 3-month solicitation period
 - September 29, 2023 to December 29, 2023
- Three (3) applications received
- All three rejected for not meeting submittal requirements



PA 2024 – 01R* Reissue

- Reissued for a 21-day solicitation period
 - February 23, 2024 to March 15, 2024
- CSC was notified via e-mail on February 27, 2024
- One (1) application received and under review



Next Steps

- Review Panel will meet in April 2024
- Review is expected to conclude by May 2024

*Reissued Paving Project Program Announcement: <http://www.aqmd.gov/docs/default-source/grants/pa2024-01r.pdf?sfvrsn=6>

Greenleaf Desert View Power Plant and Title V Permitting Process – Background

CERP Objective

- **Greenleaf Desert Power View Plant:** Chapter 5G, Objective 1A

Goal

Reduce emissions from Greenleaf Desert View Power Plant

Desert View Power & title V permitting process

South Coast AQMD's virtual AB617 Eastern Coachella Valley
community steering committee meeting
April 11, 2024



Gerardo C. Rios, Air Permits Manager, Rios.Gerardo@epa.gov

Nidia K. Trejo, Physical Scientist, Trejo.nidia@epa.gov

Air Permits Section, Air & Radiation Division, U.S. Environmental Protection Agency, Region 9

Permit history on Desert View Power



- **June 28, 1988:** EPA issues a Prevention of Significant Deterioration (PSD) permit for the construction of the power plant (EPA Permit No. SE 87-01). Several administrative amendments were made to the permit from 1991 to 2015.
- **August 2, 2000:** EPA issues the initial title V permit, also known as the Part 71 Operating Permit, for the power plant (EPA Permit No. CB-OP 99-01).
- **September 30, 2020:** EPA issues the renewal of the title V permit (EPA Permit No. CB-R0P 05-01) and Administrative PSD Permit Amendments for the power plant (EPA Permit No. NSR-4-411 and SE 87-01).

Figure 2-1 Location of power plant within reservation land. The figure is from A.15 EPA Region 9 Statement of Basis, Final Part 71 Federal Operating Permit Renewal & Administrative PSD Permit Amendments, September 30, 2020. See regulations.gov Docket Number: EPA-R09-OAR-2020-0266.

Title V permitting process



Desert View Power's title V permit expires on September 30, 2025, so the renewal application can be submitted between March 30, 2024 to March 30, 2025.

Permit Application

The title V source submits an initial or [renewal permit application](#). EPA reviews the application for completeness.



Public Participation

EPA proposes a draft permit decision for a public comment period of at least 30 days. Public notice is issued.

EPA can schedule a public hearing with or without a request from the public.



EPA reviews comments received and prepares a response to comments. EPA states any changes to the permit in the statement of basis document.

Final action

EPA publishes a decision to issue or deny the permit action along with the response to comments.



Community Engagement

- We understand that the community near this power plant has many concerns about the power plant's compliance history, as well as its impact on the community.
- On March 8th, we received a request to engage with the nearby community on the permit process.
- To assure meaningful engagement, our permit team would like to start discussions on how that could be done.

Questions?

Email

Gerardo C. Rios at Rios.Gerardo@epa.gov or Nidia K. Trejo at Trejo.nidia@epa.gov

SIGN UP for EPA Region 9's
Public Notice Distribution List



Air Quality Notification, Health Advisories, and Forecasts for the Coachella Valley – Background

CERP Objective

- **Salton Sea:** Chapter 5B, Objective 2B

Goal

Reduce emissions from the Salton Sea



Air Quality Notifications, Health Advisories, and Forecasts for the Coachella Valley

Scott A. Epstein PhD

Planning and Rules Manager

Air Quality Assessment & Air Toxics Hotspots Program

Planning, Rule Development, and Implementation

South Coast Air Quality Management District

Air Pollution and Health



Particle pollution (smoke, dust, and other particles)



Ground-level ozone



Nitrogen dioxide, Carbon monoxide, Sulfur dioxide



Toxic Air Pollution (diesel exhaust, benzene, lead, arsenic, others...)



Exposure to some air pollutants



Acute health effects (within days after exposure)

Air Pollution and Health



Particle pollution (smoke, dust, and other particles)



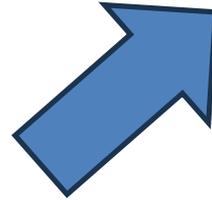
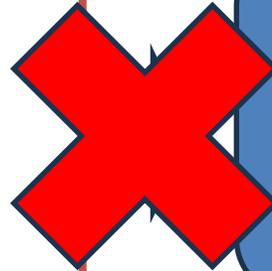
Ground-level ozone



Nitrogen dioxide, Carbon monoxide, Sulfur dioxide



Toxic Air Pollution (diesel exhaust, benzene, lead, arsenic, others...)



Real-time air pollution data helps people reduce exposure

Exposure to some air pollutants



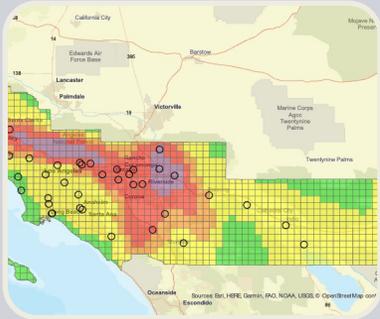
Acute health effects (within days after exposure)

Air Quality Index (AQI)

Levels of Concern	AQI	Health Recommendations
Good	0 to 50	Air quality is satisfactory
Moderate	51 to 100	Unusually sensitive people should consider limiting prolonged outdoor exertion
Unhealthy for Sensitive Groups	101 to 150	Sensitive groups should limit prolonged or heavy outdoor exertion
Unhealthy	151 to 200	Sensitive groups should avoid prolonged time outdoors.
Very Unhealthy	201 to 300	Sensitive groups should avoid all outdoor physical activity. Everyone else should avoid prolonged or heavy outdoor activity.
Hazardous	301 and higher	Everyone should avoid all physical activity outdoors.

Sensitive groups are people with heart disease, pregnant women, children and older adults, people with lung disease, such as asthma

Tools to Reduce Exposure to Poor Air Quality



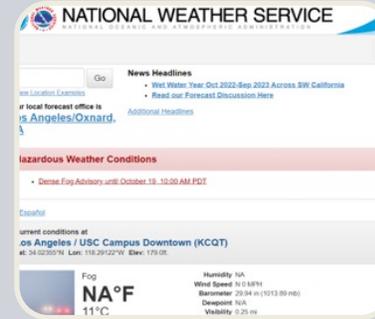
Real-Time
Air Quality
Levels



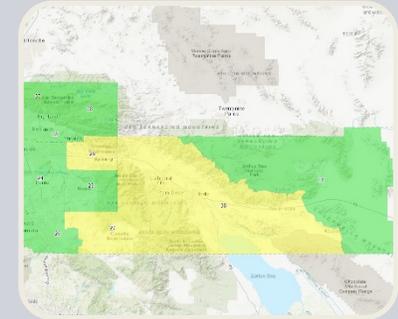
Predictive
Air Quality
Advisories



Media
Outreach



Air Quality
Alerts
Relayed by
the National
Weather
Service



Air Quality
Forecasts

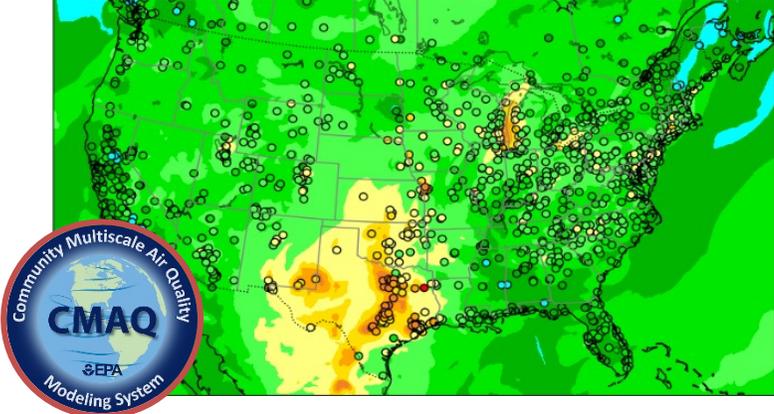
South Coast AQMD Calculates AQI From Measurements and Simulated Pollution Levels

South Coast AQMD measures pollutant levels



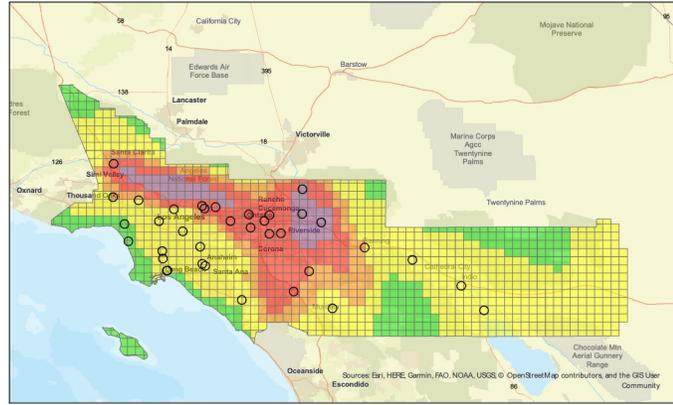
From www.purpleair.com

Local organizations and community members measure pollutant levels

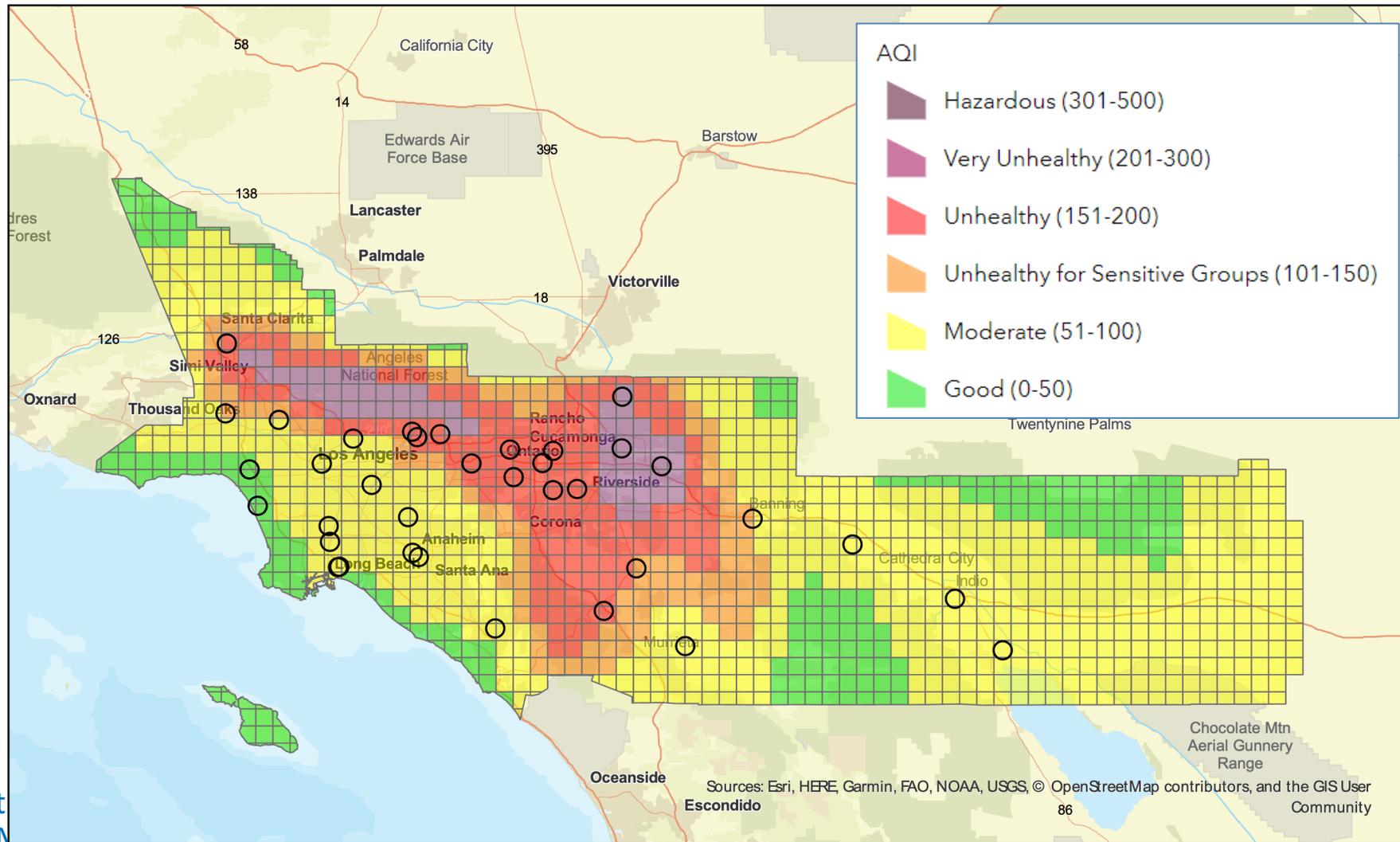


National Oceanic And Atmospheric Administration simulates pollutant levels

South Coast AQMD Real-Time AQI



Real-Time AQI Map (www.aqmd.gov/aqimap)



Available through the South Coast AQMD App

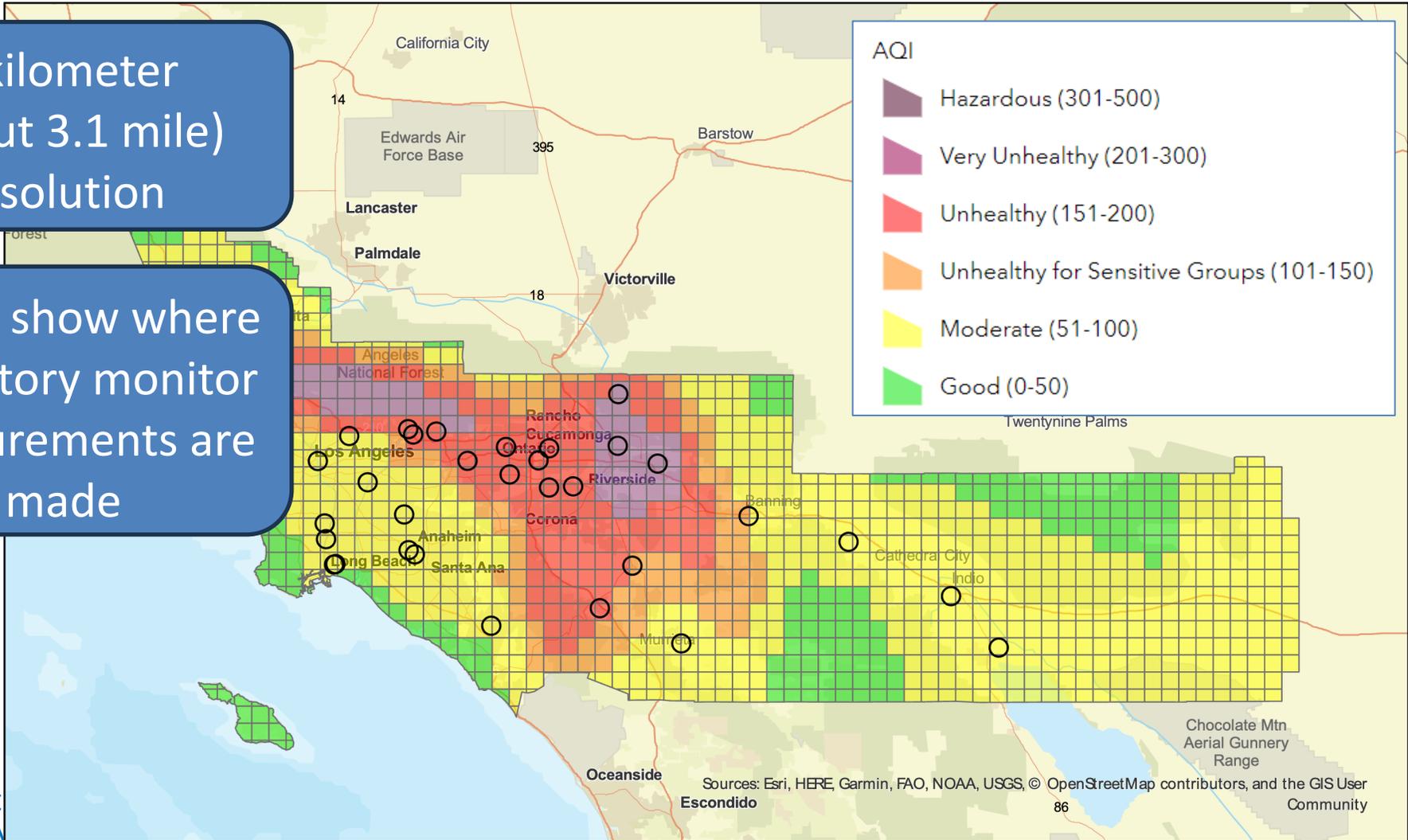


South Coast Air Quality Management District

Real-Time AQI Map (www.aqmd.gov/aqimap)

5 kilometer
(about 3.1 mile)
resolution

Circles show where
regulatory monitor
measurements are
made



Available
through the
South Coast
AQMD App



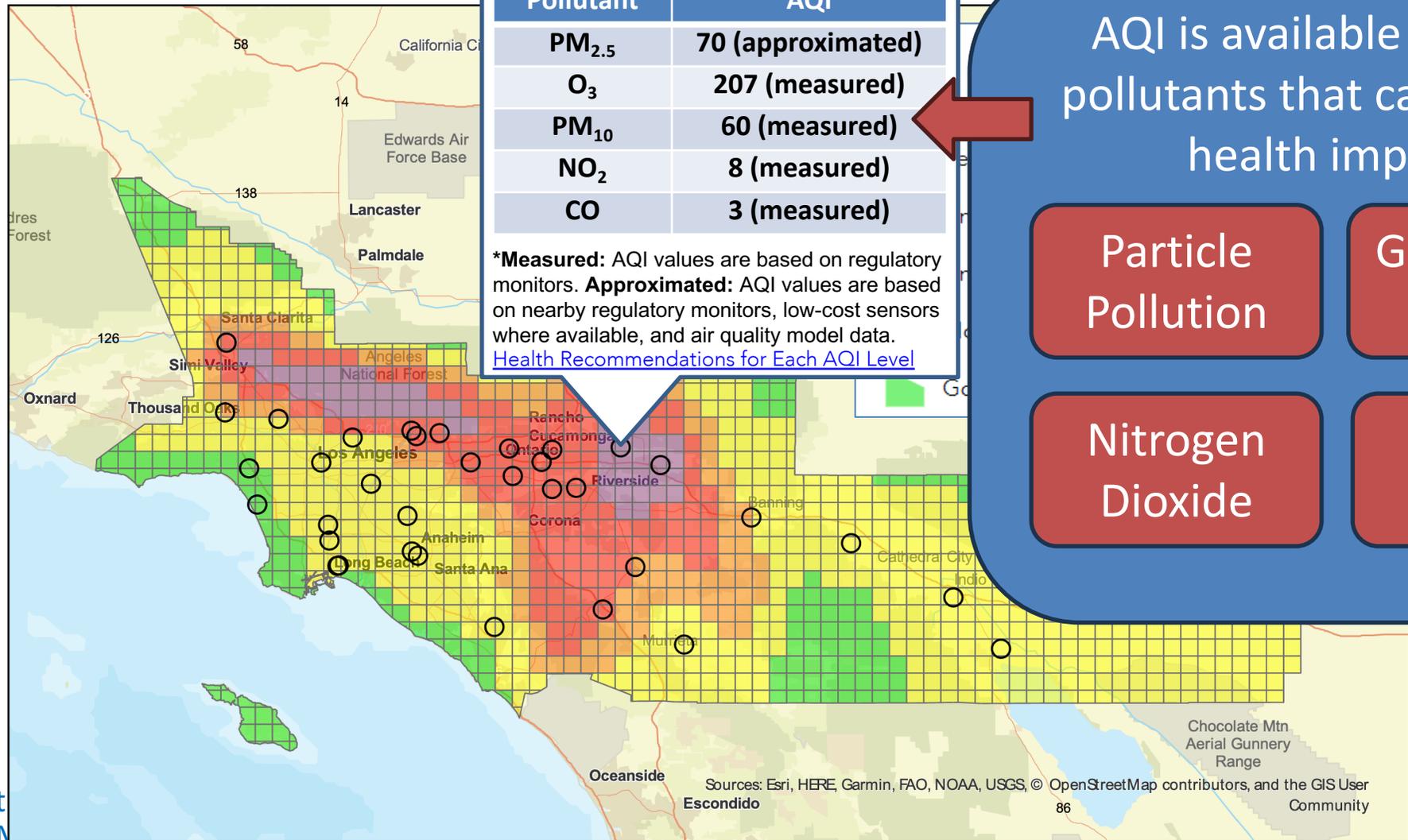
Real-Time AQI Map

www.scaqmmd.gov/aqimap

San Bernardino
AQI: 207
 AQI Category: Very Unhealthy
 Dominant Pollutant: Ozone | Updated: 4PM

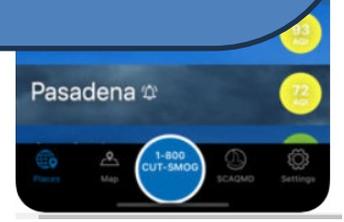
Pollutant	AQI
PM _{2.5}	70 (approximated)
O ₃	207 (measured)
PM ₁₀	60 (measured)
NO ₂	8 (measured)
CO	3 (measured)

*Measured: AQI values are based on regulatory monitors. **Approximated:** AQI values are based on nearby regulatory monitors, low-cost sensors where available, and air quality model data.
[Health Recommendations for Each AQI Level](#)

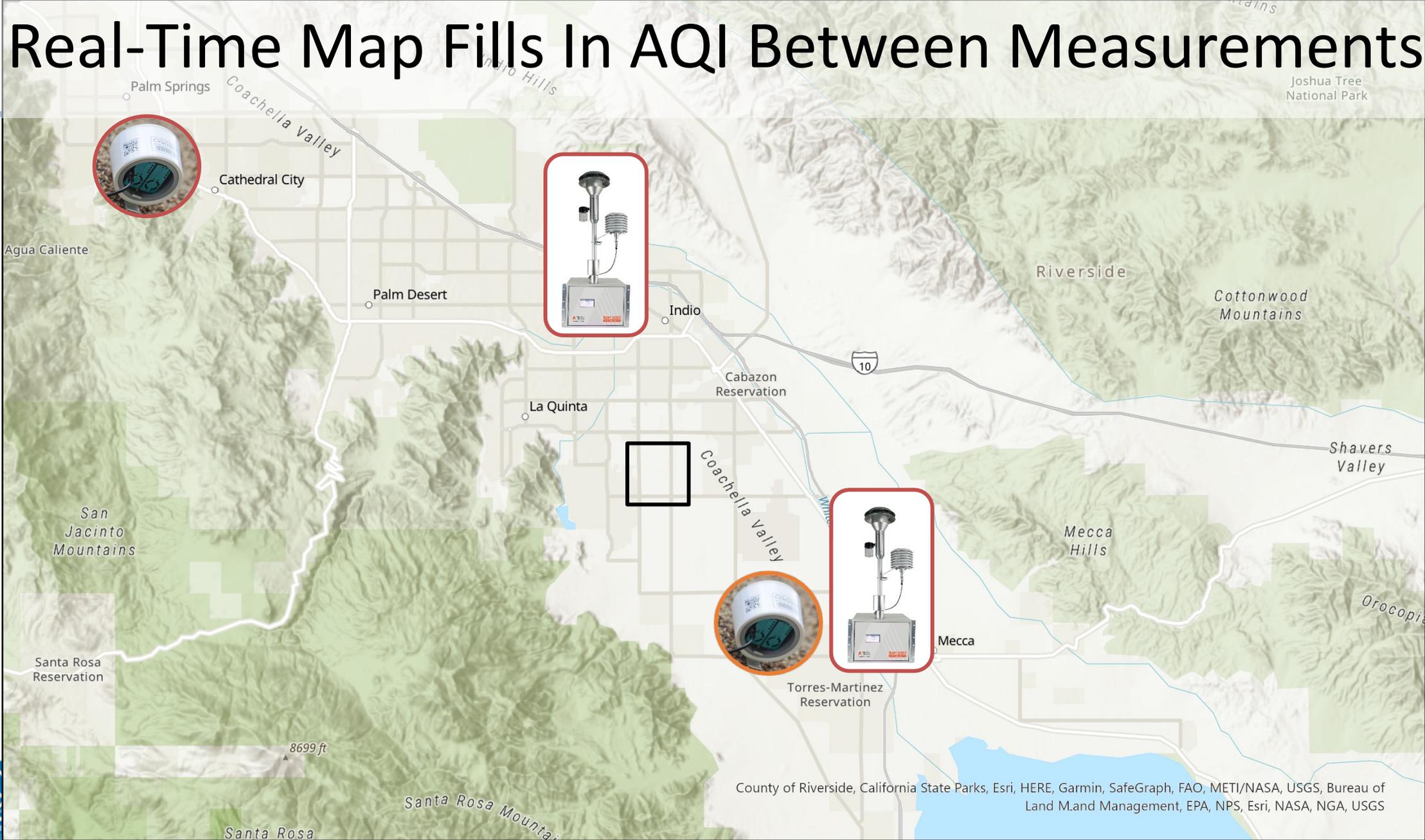


AQI is available for most pollutants that cause acute health impacts

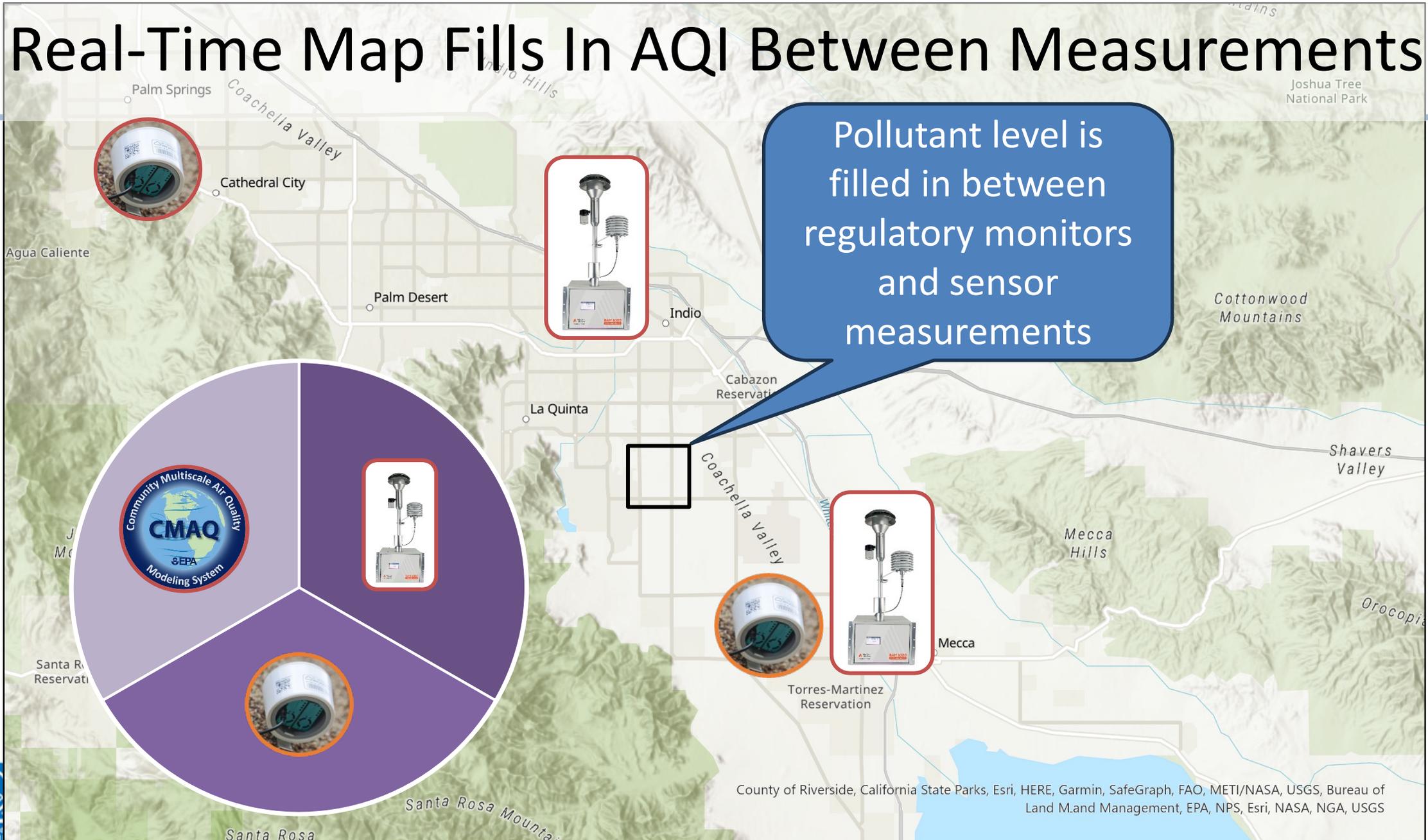
- Particle Pollution
- Ground level ozone
- Nitrogen Dioxide
- Carbon Monoxide



Real-Time Map Fills In AQI Between Measurements

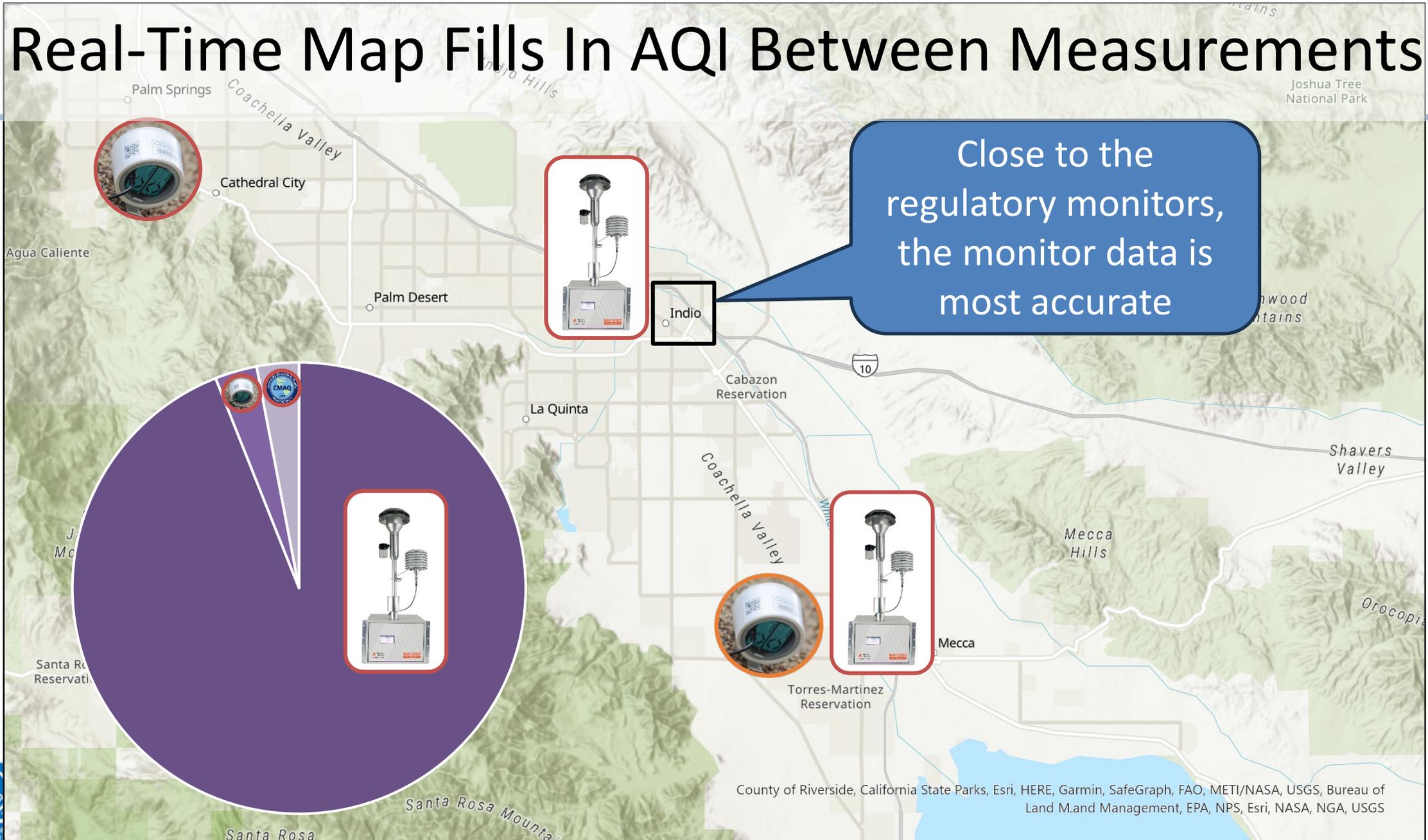


Real-Time Map Fills In AQI Between Measurements

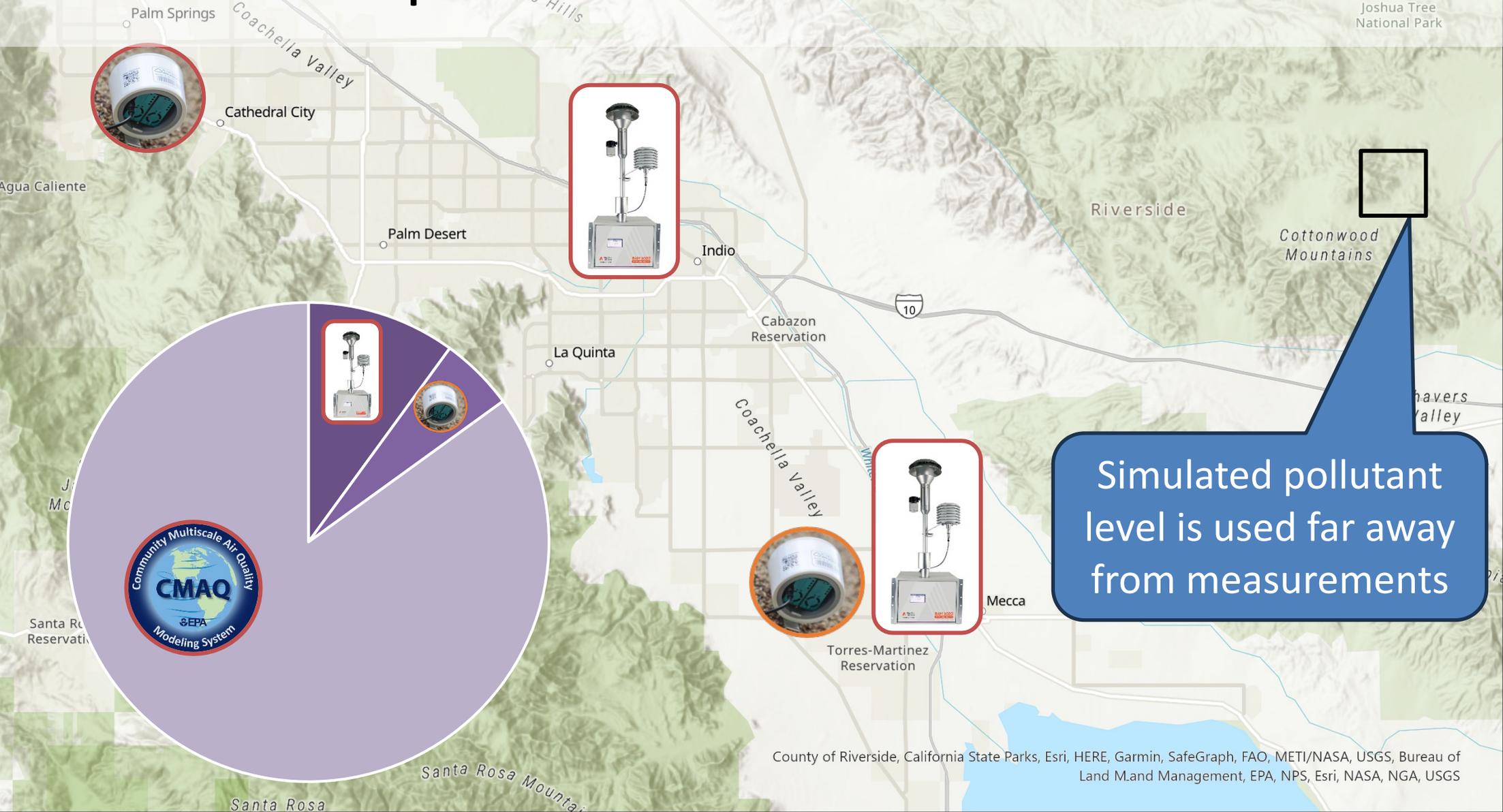


Pollutant level is filled in between regulatory monitors and sensor measurements

Real-Time Map Fills In AQI Between Measurements



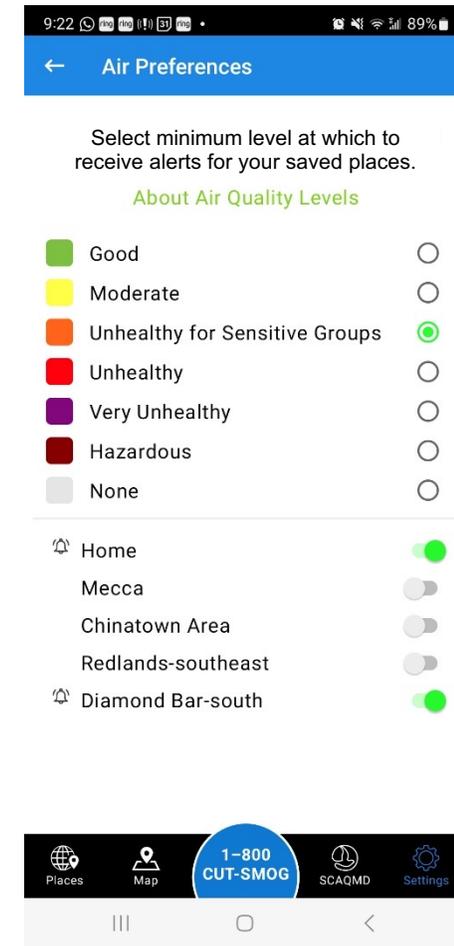
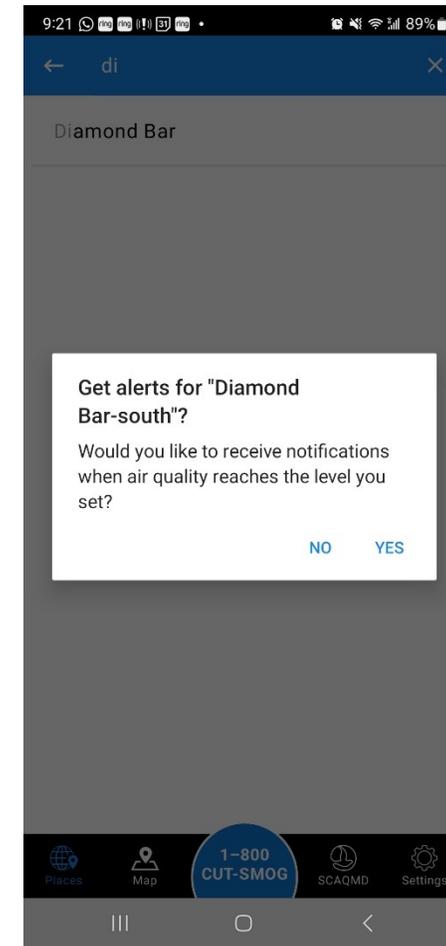
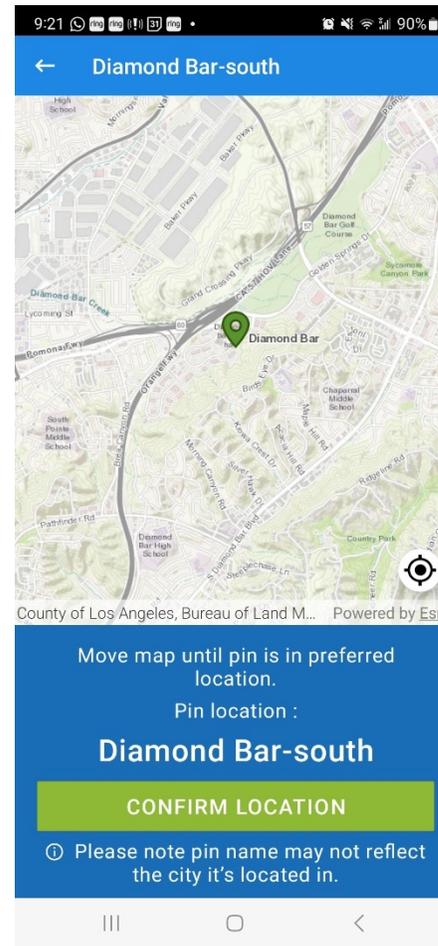
Real-Time Map Fills In AQI Between Measurements



County of Riverside, California State Parks, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, Esri, NASA, NGA, USGS

Real-Time Air Quality Notifications

- App users can set favorite places
- Notifications can be turned on for each place
- If AQI reaches selected category, a notification is pushed to the user's device.



Predictive Air Quality Advisories



PM10 Dust or
Ash



Residential No-
Burn



High Ozone
(Smog)



Wildfire Smoke



Fireworks



Salton Sea
Odors

- Available at www.aqmd.gov/advisory or through the South Coast AQMD Mobile App

Language ▼

South Coast Air Quality Management District

Wildfire Smoke Advisory

www.aqmd.gov @SouthCoastAQMD

Valid Saturday 10:00 AM until Sunday 4:00 PM

WILDFIRE SMOKE ADVISORY
Sat., Jul. 15, 2023 – Su., Jul. 16, 2023

- South Coast AQMD Jurisdiction
- Approximate Fire Location
- Areas of Potential Direct Smoke Impact

Current Conditions

- Two large wildfires are actively burning and producing smoke in Riverside County as of Saturday at 9:40 AM:
 - The Rabbit Fire is currently 4,500 acres
 - The Reche Fire is currently 437 acres
- Visit the [Cal FIRE/Riverside County Fire Department Twitter page](#) for more details
- Winds are currently transporting smoke towards the east and southeast into the Moreno Valley, Hemet, Beaumont, Banning, and the Coachella Valley
- Air quality index values reached **Hazardous** levels immediately adjacent to the fire in the overnight hours

Conditions may change quickly due to fire activity and weather. Download the [South Coast AQMD app](#) or visit [www.aqmd.gov/AQImap](#) to view current air quality in your neighborhood.

Show recent air quality trends (up to Saturday, 11:00 AM)

Forecasted Smoke and Air Quality Impacts

- Hot and dry conditions will continue throughout the day on Saturday and into Sunday
- Winds from the west will continue to push smoke towards the east and may result in Air Quality Index levels that are **Hazardous** in areas impacted by smoke
- Light and variable winds during the overnight hours may result in the highest AQI levels in areas immediately adjacent to the fires
- Note that AQI levels may reach the **Unhealthy** category in the afternoon hours from high levels of ozone (smog) due to the current heat wave and are largely unrelated to the fires. See [South Coast AQMD Ozone Advisory](#).

Detailed Forecast

Saturday	Winds from the west will continue to push smoke towards the east, affecting neighborhoods in the Hemet area, Idyllwild, San Geronimo Pass and Coachella Valley. Ozone (smog) levels will also be elevated due to the heat wave affecting the region.
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South Coast AQMD will issue an update if additional information becomes available.

⚠️ If you are in an area impacted by smoke:

- Limit your exposure by remaining indoors with windows and doors closed or seeking alternate shelter.
- Avoid vigorous physical activity.
- Run your air conditioning and/or an air purifier. If possible, do not use swamp coolers or whole house fans that bring in outside air.
- Avoid burning wood in your fireplace or firepit and minimize sources of indoor air pollution such as candles, incense, pan-frying, and grilling.
- If you must be outside, a properly fit N95 or P100 respirator may provide some protection.

For more information, visit [www.aqmd.gov/smokesafety](#).

Interactive Air Quality Advisories

Select Language ▼

Powered by Google Translate

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Wildfire Smoke Advisory

www.aqmd.gov @SouthCoastAQMD

Valid Saturday 10:00 AM until Sunday 4:00 PM

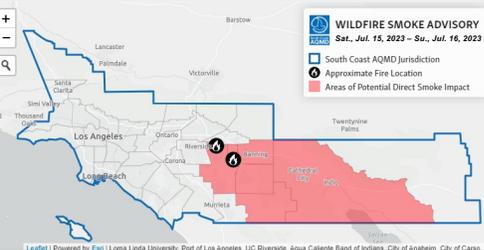
WILDFIRE SMOKE ADVISORY
Sat., Jul. 15, 2023 – Su., Jul. 16, 2023

- South Coast AQMD Jurisdiction
- Approximate Fire Location
- Areas of Potential Direct Smoke Impact

Reche Fire
(Approximate Location)

Google Translate integration

Interactive web map with location search



Current Conditions

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▼ Show recent air quality trends (up to Saturday, 11:00 AM)

Recent Air Quality Index (AQI) Trends at Selected Sites

AQI is calculated using the EPA's NowCast method, which emphasizes recent levels when conditions change rapidly.

Air Quality Index (AQI)

- Hazardous
- Very Unhealthy
- Unhealthy
- Unhealthy for Sensitive Groups
- Moderate
- Good

Standard AQI Colors | More Accessible AQI Colors

Banning-central

Mecca

Current conditions with expandible and interactive recent air quality trends chart

Forecaster chooses locations to display on bar charts

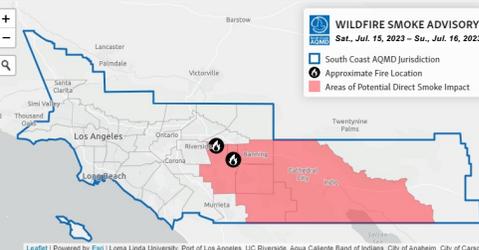
Language  Powered by Google Translate

 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Wildfire Smoke Advisory

www.aqmd.gov @SouthCoastAQMD   

Valid Saturday 10:00 AM until Sunday 4:00 PM



Current Conditions

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Interactive Air Quality Advisories

Highlighted health recommendations

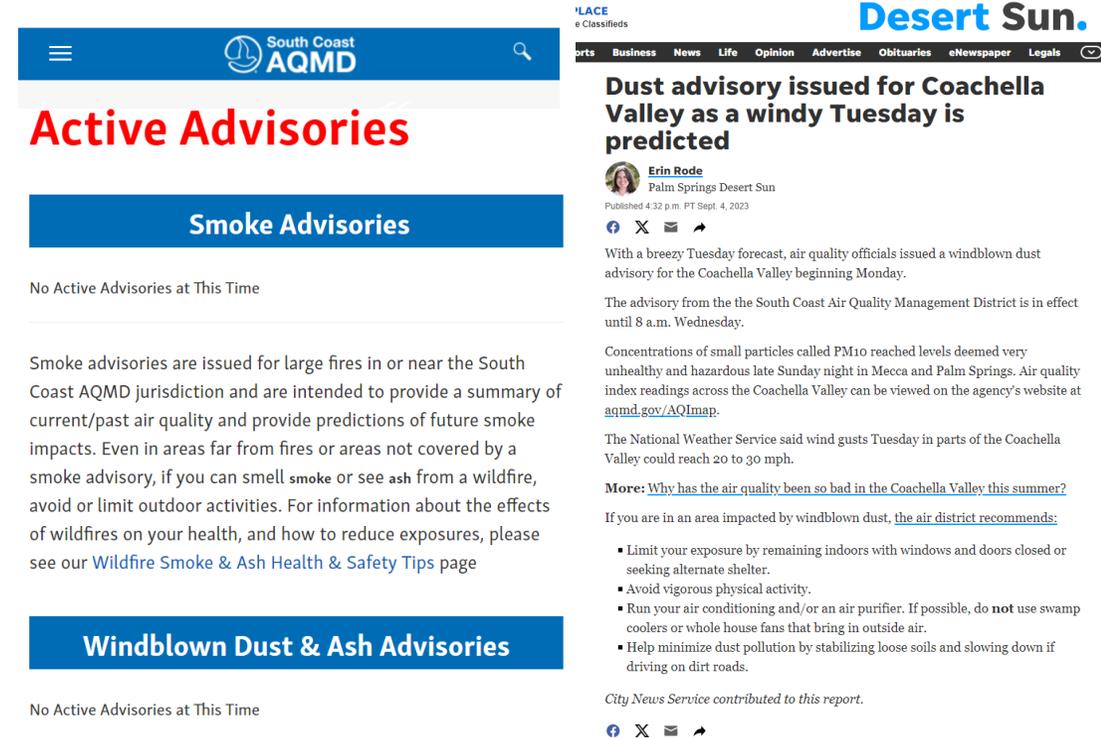
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- If you must be outside, a properly fit N95 or P100 respirator may provide some protection.

For more information, visit www.aqmd.gov/smokesafety.

How to View Air Quality Advisories

- Hosted at www.aqmd.gov/advisory
- Linked from the aqmd.gov homepage and on the South Coast AQMD mobile app
- Sign up for email notifications of new advisories at www.airalerts.org
- Extensive Media outreach conducted



The screenshot shows the South Coast AQMD website with a navigation bar and a search icon. Below the navigation bar, there are three main sections: "Active Advisories", "Smoke Advisories", and "Windblown Dust & Ash Advisories". Each section has a blue header and a sub-header "No Active Advisories at This Time".

The "Active Advisories" section is currently empty. The "Smoke Advisories" section contains a paragraph of text explaining that smoke advisories are issued for large fires in or near the South Coast AQMD jurisdiction and are intended to provide a summary of current/past air quality and provide predictions of future smoke impacts. It also includes a link to the "Wildfire Smoke & Ash Health & Safety Tips" page.

The "Windblown Dust & Ash Advisories" section is also currently empty.

On the right side of the screenshot, there is a news article from the "Desert Sun" titled "Dust advisory issued for Coachella Valley as a windy Tuesday is predicted". The article is by Erin Rode and was published on September 4, 2023. The article text states: "With a breezy Tuesday forecast, air quality officials issued a windblown dust advisory for the Coachella Valley beginning Monday. The advisory from the South Coast Air Quality Management District is in effect until 8 a.m. Wednesday. Concentrations of small particles called PM10 reached levels deemed very unhealthy and hazardous late Sunday night in Mecca and Palm Springs. Air quality index readings across the Coachella Valley can be viewed on the agency's website at aqmd.gov/AQImap. The National Weather Service said wind gusts Tuesday in parts of the Coachella Valley could reach 20 to 30 mph. More: [Why has the air quality been so bad in the Coachella Valley this summer?](#) If you are in an area impacted by windblown dust, the air district recommends:"

- Limit your exposure by remaining indoors with windows and doors closed or seeking alternate shelter.
- Avoid vigorous physical activity.
- Run your air conditioning and/or an air purifier. If possible, do **not** use swamp coolers or whole house fans that bring in outside air.
- Help minimize dust pollution by stabilizing loose soils and slowing down if driving on dirt roads.

The article also includes a link to the "City News Service" and social media sharing icons.



Air Quality Alerts Relayed by the National Weather Service

- Relayed through official NWS channels
- Appears on various commercial weather apps and Amazon Alexa
- Available at www.weather.gov/SGX

Air Quality Alert Message
Relayed by National Weather Service San Diego CA
9:45 AM PDT Wed Oct 11 2023

CAZ061-065-121300-
Coachella Valley-
Including the cities of Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, and Coachella
San Geronio Pass Near Banning-
Including the cities of Banning and Desert Hot Springs

9:45 AM PDT Wed Oct 11 2023

...AIR QUALITY ALERT DUE TO ELEVATED PARTICULATE MATTER LEVELS FROM WINDBLOWN DUST...

The South Coast AQMD has issued an air quality alert due to increased particulate matter from blowing dust. The air quality alert is in effect until 6AM on Thursday.

In areas directly impacted by high levels of windblown dust, limit your exposure by remaining indoors with windows and doors closed and avoiding vigorous physical activity. Run your air conditioner or an air purifier. If temperatures allow, avoid using whole house fans or swamp coolers that bring in outside air.

Exposure to high particle pollution levels can cause serious health problems, including asthma attacks, heart and lung disease symptoms, and increased risk of respiratory infections. People with heart or lung diseases should follow their doctor's advice for dealing with episodes of unhealthy air quality. Children, older adults, and people with respiratory or heart disease should avoid prolonged exposure and strenuous activities when particle pollution levels are high.

To help minimize outdoor particulate levels:

- Carpool, telecommute, reduce trips, or take public transportation
- Slow down if driving on dirt roads
- Stabilize loose soils

Levels of particulate matter can vary hour by hour and by location depending on wind conditions.

To view current and forecasted air quality levels, visit the South Coast Air Quality Management District website at aqmd.gov or download the mobile app at www.aqmd.gov/mobileapp. Additional details for this air quality alert may be available at www.aqmd.gov/advisory.



Go **News Headlines**

- [Wet Water Year Oct 2022-Sep 2023 Across SW California](#)
- [Read our Forecast Discussion Here](#)

[View Location Examples](#)

Your local forecast office is **Los Angeles/Oxnard, CA** [Additional Headlines](#)

Hazardous Weather Conditions

- [Air Quality Alert until July 22, 8:00 PM PDT](#)

[En Español](#)

Current conditions at **Los Angeles / USC Campus Downtown (KCQT)**
Lat: 34.02355°N Lon: 118.29122°W Elev: 179.0ft.

	Fog	Humidity N/A
NA° F	11° C	Wind Speed N 0 MPH
		Barometer 29.94 in (1013.89 mb)
		Dewpoint N/A
		Visibility 0.25 mi

Click a location below for detailed forecast.

[Watches, Warnings & Advisories](#)

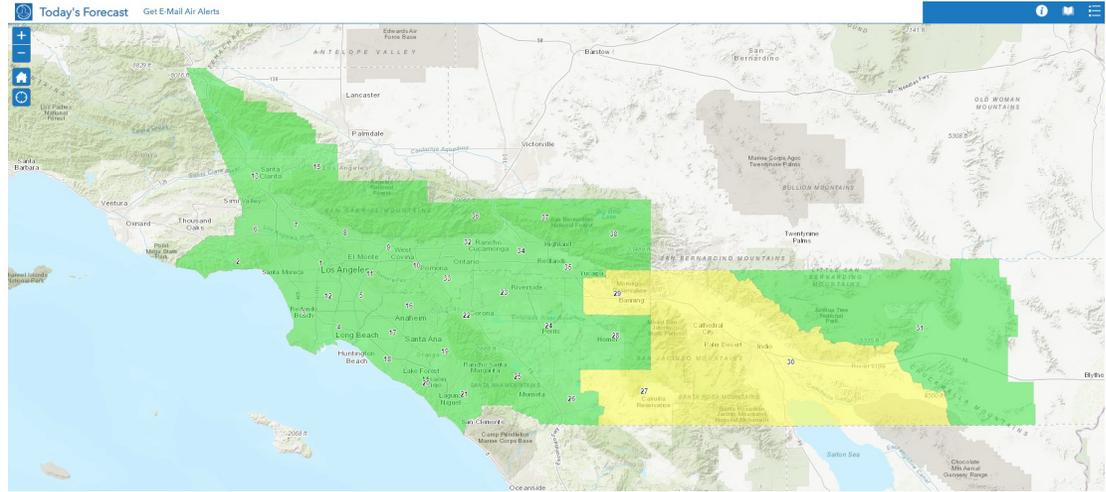
- [Small Craft Advisory](#)
- [Beach Hazards Statement](#)
- [Air Quality Alert](#)

Zoom In / Zoom Out

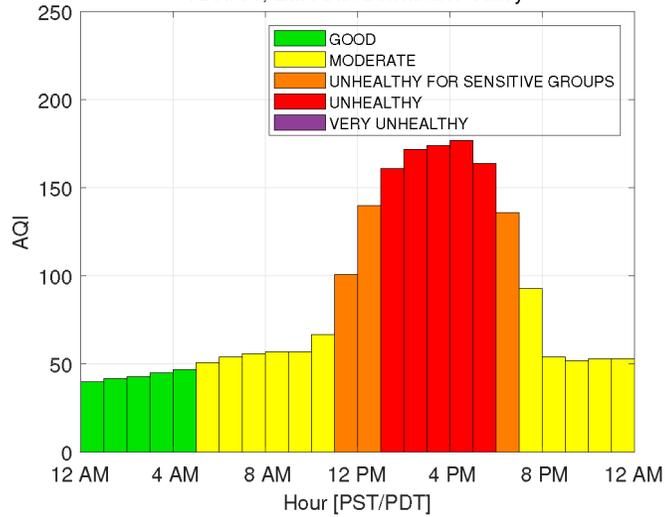
Last Map Update: Wed, Dec. 21, 2022 at 7:57:12 pm PST



Air Quality Forecasts



Forecast Valid Friday, July 26, 2019
Area 35, East San Bernardino Valley



Forecast Valid Friday, July 26, 2019					
Issue Date: Thursday, July 25, 2019					
Area	Forecast Area	AQI	AQI Description	Pollutant	Cleanest Time of Day*
1	Central Los Angeles County	57	MODERATE	PM2.5	Similar all day
2	Northwest Coastal Los Angeles Co.	42	GOOD	PM2.5	Similar all day
3	Southwest Los Angeles County Co.	42	GOOD	PM2.5	Similar all day
4	South Coastal Los Angeles Co.	42	GOOD	PM2.5	Similar all day
5	Southeast Los Angeles Co.	42	GOOD	PM2.5	Similar all day
6	West San Fernando Valley	77	MODERATE	Ozone	Similar all day
7	East San Fernando Valley	71	MODERATE	Ozone	Similar all day
8	West San Gabriel Valley	101	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 11 AM
9	East San Gabriel Valley	97	MODERATE	Ozone	Cleanest from 6 PM to 10 PM
10	Pomona/Walnut Valley	84	MODERATE	Ozone	Cleanest from 6 AM to 12 PM
11	South San Gabriel Valley	58	MODERATE	Ozone	Similar all day
12	South Central Los Angeles Co.	42	GOOD	PM2.5	Similar all day
13	Santa Clarita Valley	105	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 11 AM
14	Antelope Valley	93	MODERATE	Ozone	Cleanest from 6 AM to 11 AM
15	San Gabriel Mountains	43	GOOD	Ozone	Similar all day
16	North Orange County	46	GOOD	Ozone	Similar all day
17	Central Orange County	44	GOOD	Ozone	Similar all day
18	North Coastal Orange County	37	GOOD	Ozone	Similar all day
19	Saddleback Valley	48	GOOD	Ozone	Similar all day
20	Central Coastal Orange County	42	GOOD	PM2.5	Similar all day
21	Capistrano Valley	44	GOOD	Ozone	Similar all day
22	Corona/Norco Area	108	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 PM to 10 PM
23	Metropolitan Riverside County	133	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
24	Perris Valley	115	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 11 AM
25	Lake Elsinore Area	61	MODERATE	Ozone	Similar all day
26	Temecula Valley	51	MODERATE	Ozone	Similar all day
27	Anza Area	61	MODERATE	Ozone	Similar all day
28	Hemet/San Jacinto Valley	108	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
29	Banning/San Geronimo Pass	136	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 11 AM
30	Coachella Valley	87	MODERATE	Ozone	Similar all day
31	East Riverside County	87	MODERATE	Ozone	Similar all day
32	Northwest San Bernardino Valley	129	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
33	Southwest San Bernardino Valley	100	MODERATE	Ozone	Cleanest from 6 PM to 10 PM
34	Central San Bernardino Valley	147	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
35	East San Bernardino Valley	166	UNHEALTHY	Ozone	Cleanest from 6 AM to 11 AM
36	West San Bernardino Mountains	112	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
37	Central San Bernardino Mountains	159	UNHEALTHY	Ozone	Cleanest from 6 AM to 12 PM
38	East San Bernardino Mountains	143	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
39	Phelan	105	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
40	Hesperia	133	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
41	Trona	61	MODERATE	Ozone	Similar all day
42	Victorville	105	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Cleanest from 6 AM to 12 PM
43	Yucca Valley	87	MODERATE	Ozone	Similar all day
44	Barstow	80	MODERATE	Ozone	Similar all day
45	Twentynine Palms	101	UNHEALTHY FOR SENSITIVE GROUPS	Ozone	Similar all day

Salton Sea Odor Notifications

South Coast AQMD

Trends Alerts About Contact

The Salton Sea

Hydrogen Sulfide Monitoring

Sign up to receive email alerts when Hydrogen Sulfide (H₂S) levels reach 30 Parts Per Billion.

Please select air monitoring station of interest:

- Mecca Community Site - Alert me when H₂S reaches or exceeds 30 ppb
- Near-Shore Site - Alert me when H₂S reaches or exceeds 30 ppb

Enter your email & click subscribe

Site	Most Recent H ₂ S	Units	Time
Near-Shore Site	0.7	Parts Per Billion (ppb)	2024-03-29 03:00 PM PDT
Mecca Community Site	1.1	Parts Per Billion (ppb)	2024-03-29 03:00 PM PDT

Sign up for alerts when Hydrogen Sulfide levels from the Salton Sea exceed state standards at www.saltonseador.org

Mecca Community Site

Near-Shore Site

Summary



- South Coast AQMD issues several products to help residents protect their health during poor air quality events
 - Real time AQI levels for your neighborhood
 - Predictive air quality advisories
 - Air quality alerts relayed by the NWS
 - Air quality forecasts a day in advance
- Several ways to get this information
 - South Coast AQMD Mobile app (www.aqmd.gov/mobileapp)
 - Advisories via email (www.airalerts.org)
 - Local media

Questions and/or Comments?

Please submit questions and comments to:

ab617@aqmd.gov

MONITORING WORKING TEAM

**GRUPO DE TRABAJO DE
MONITOREO**

**Working Team
Updates**

***Actualizaciones de
Los Equipos de
Trabajo***

OUTREACH WORKING TEAM

**GRUPO DE TRABAJO DEL
ALCANCE**

**Working Team
Updates**

***Actualizaciones de
Los Equipos de
Trabajo***

**CERP IMPLEMENTATION
WORKING TEAM**

**GRUPO DE TRABAJO DE
IMPLEMENTACIÓN DEL CERP**

**Working Team
Updates**

***Actualizaciones de
Los Equipos de
Trabajo***

ITEM 5

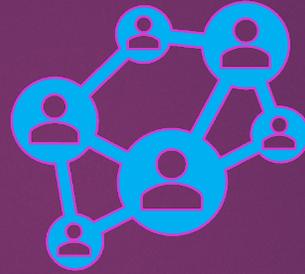


**ECV CSC
Opportunities**

*Oportunidades
del CSC*

COMMUNITY EVENTS

EVENTOS DE LA COMUNIDAD



Connecting with
our Communities

*Comunicando Con
Nuestras Comunidades*





JOIN THE CLEAN AIR TEAM!

¡ÚNETE AL EQUIPO DE AIRE LIMPIO!



APPLY ONLINE
APLICA EN LINEA
www.aqmd.gov/careers



4 Day Work Week
Semana de trabajo de 4 días



Retirement Plan
Plan de retiro



Telework up to 3 Days/Week
Teletrabajo hasta 3 días/semana



Life Insurance Benefits
Beneficios del seguro de vida



Medical, Dental and Vision Insurance
Seguro médico, dental y de la vista



Wellness Programs
Programas de bienestar



13 Paid Holidays
13 días festivos pagados



Continued Education Reimbursement
Reembolso de educación continua

ITEM 7

Next Steps

*Los Siguietes
Pasos*

MEETING SCHEDULE / CALENDARIO DE REUNIONES

Q1 January 18 <i>18 de enero</i>	Q2 April 11 <i>11 de abril</i>	Q3 August 22 <i>22 de agosto</i>	Q4 TBD
--	--	--	-------------------------

NEXT STEPS

PRÓXIMOS PASOS

Future Announcements / *Anuncios Futuros*

- Newsletters or emails
Boletines o correos electrónicos
- Continue CERP implementation
Continuar la implementación del CERP

What would you like to hear about? / *¿Sobre que te gustaría oír hablar?*

- AQ Priority Updates & Agenda Topics
Implementación del CERP y otros temas de la agenda

ITEM 8

Public Comment

Comentario Público

¡GRACIAS! THANK YOU!

Para más información, preguntas o sugerencias después de esta reunión:
For more information, questions, or suggestions after this meeting:

Envíenos un correo electrónico a:

Email us at:

ab617@aqmd.gov

Community Liaison / Enlace Comunitario

Daniel Wong, (909) 396-3046

Arlene Farol Saria, (909) 396-2250

CERP

Robert Dalbeck (909) 396-2139

Pami Mukherjee (909) 396-2938

MONITORING / MONITOREO

Payam Pakbin (909) 396-2122

COMPLIANCE / CONFORMIDAD

Yazmin Kakishita (909) 396-3207

BUDGET Working Team

Yaneth Andrade-Magana

Pati Leal-Gutierrez

Krystal Otworth

MONITORING Working Team

Matthew Maldonado

Ryan Sinclair

OUTREACH Working Team

Anetha Lue

Anna Lisa Vargas

ECV CSC webpage:
www.aqmd.gov/AB617/ECV

