

ECV CSC AGENDA

January 15, 2026 / *15 de enero de 2025*

Welcome and Roll Call
Bienvenida y Pasar Lista



CSC Roundtable
Mesa Redonda del CSC



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 Siguientes Pasos



Public Comment
Comentario Público



Adjournment
Fin de la Reunión



ITEM I

**Welcome
&
Roll Call**

**Bienvenida
y
Pasar Lista**

ITEM 2

CSC
Roundtable

Mesa
Redonda del
CSC



Coachella Valley Dust Summit and Related Updates

Scott Epstein, PhD

Planning & Rules Manager, Air Quality Assessment

ECV AB 617 CSC Meeting – January 15, 2025



Coachella Valley Dust Summit



Held at UC Riverside Palm Desert Campus on Nov 6, 2025



Approximately 60 people attended in person with 50 people online



Community members, local elected officials, and government agencies were in attendance



Extensive outreach done by South Coast AQMD to drive attendance from affected individuals



Image Source: UCR Palm Desert

Panel on Dust Impacts in the Coachella Valley

- Hosted by Supervisor Perez
 - Community testimonials from:
 - Visit Greater Palm Springs
 - An agricultural industry representative
 - A Palm Springs resident
 - Key points:
 - Dust pollution adversely impacts tourism, agriculture, and quality of life
 - Solutions are needed to reduce airborne dust



Image Source: Coachella Valley Water District

Presentations by Invited Speakers

What Does the Air Quality Monitoring Data show?
(South Coast AQMD)

What are the Health Impacts of PM10 and TSP? (South
Coast AQMD)

Air Quality Related Respiratory Illness Trends in the
Coachella Valley (RUHS Dept. of Public Health)

Overall Sources of Dust in the Coachella Valley – What
is Known and What is Unknown? (UC Riverside)

Role of Dust and Sand in the Coachella Valley
Ecosystem (CV Conservation Commission)

How is Dust Mitigated in Other Dusty Areas? (CARB)

Ongoing Infrastructure Projects Related to Dust
Mitigation (CVAG)

Key Points from Presentations

PM10 levels in the CV don't meet federal standards and should be addressed

Monitoring data indicates that PM10 levels have not changed significantly since TS Hilary

ER and clinic visits in the CV do not show an increase in air quality related visits since TS Hilary

Inhalation of PM10 can cause a wide variety of health impacts

Dust mostly comes from unvegetated desert surfaces. Surface-disturbing events can significantly increase emissions

Wide variety of dust reduction measures currently implemented in CV. Other measures possible, but may be limited on conservation lands

Key Points from Public Comment

- How will planned dust research influence mitigation and what is the timeline?
- Dust reduction is important for tourism
- Dust suppressant should be used throughout the valley
- Dust affects not only farmers, but also farmworkers
- Are collateral effects on the larger environment assessed before implementing mitigation?
- How do we overcome mismatch between conservation objectives and mitigation measures to reduce dust?
- Is climate change affecting dust levels?

Recent South Coast AQMD PM10- Related Projects in the Coachella Valley



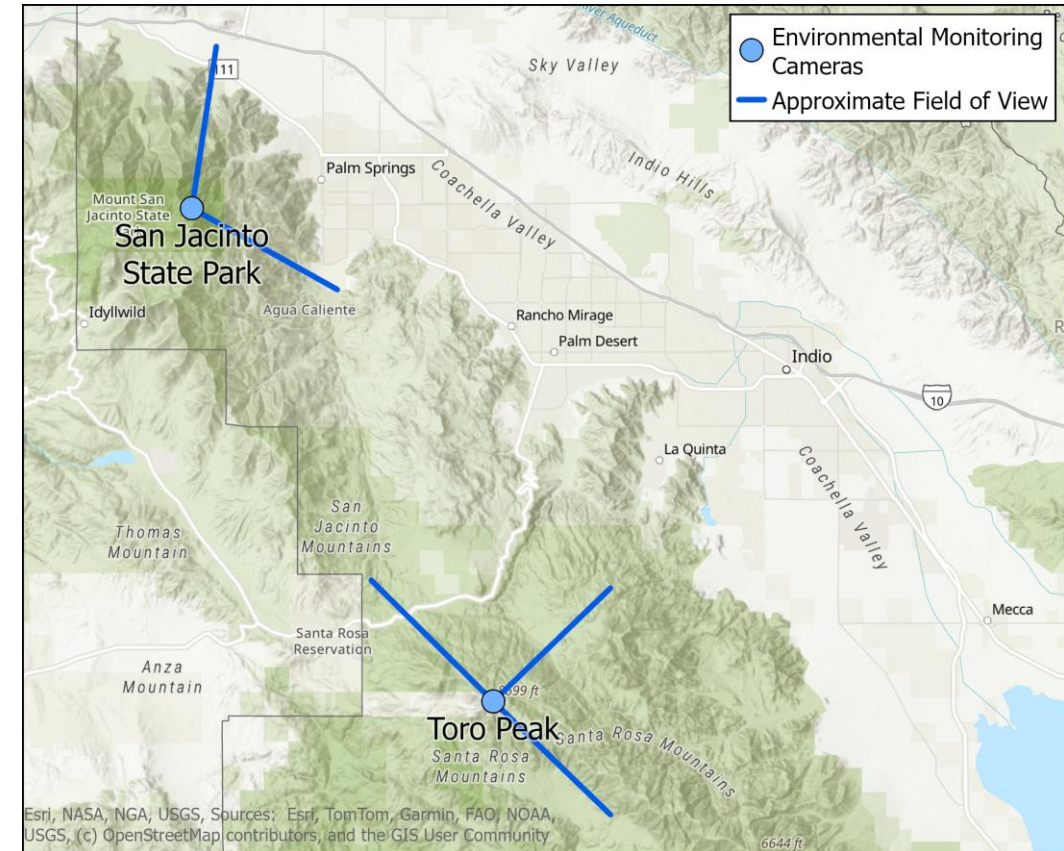
Coachella Valley Dust Monitoring Camera Network

Deployed an environmental monitoring camera in San Jacinto State Park overlooking the Western CV

Partnering with UC San Diego to host images from the ALERTCalifornia and HPWREN cameras on Toro Peak overlooking the Eastern CV

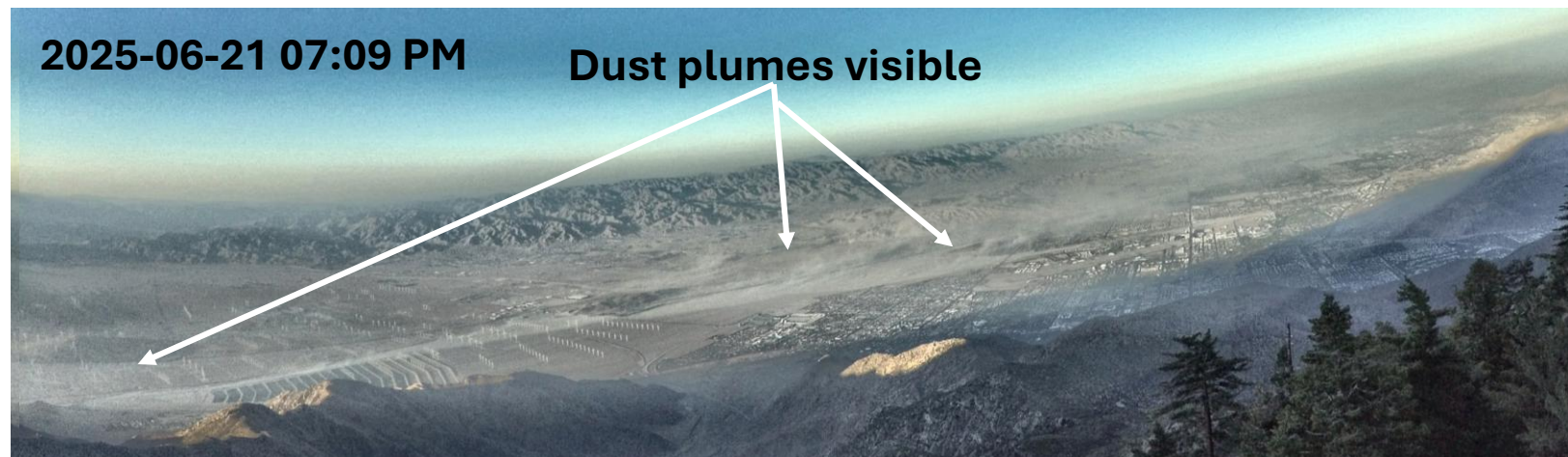
In the process of finding a location to deploy on the northeast side of the CV

Images processed using AI-developed tools to identify dust plumes from imagery



Visit www.aqmd.gov/cvcameras for real-time and archived imagery

Coachella Valley Dust Monitoring Camera Network (Processed Imagery)



Additional PM2.5 & PM10 Sensors in the Coachella Valley

- Collaboration with Will Porter (UCR) and CVAG to deploy 7 additional QuantAQ PM10 & PM2.5 sensors
- Sensors will be deployed in populated areas far from existing monitors
- Sensor data will be integrated into the South Coast AQMD real-time AQI map (www.aqmd.gov and www.aqmd.gov/mobileapp)
- Sensors will be calibrated in Mecca before deployment



Image Source: QuantAQ Blog

\$3.1 Million Three-Phase Plan for Dust Mitigation Approved by South Coast AQMD Board in October

Phase 1: Identify key emissive areas

- Fund project with UC Riverside to quantify emissions from various soil and land use types throughout the Coachella Valley

Phase 2: Develop control strategy

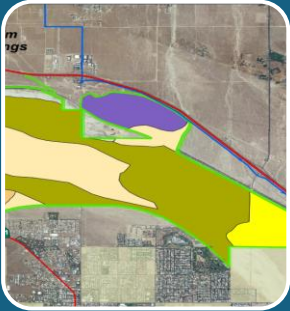
- Develop and evaluate control strategies for areas identified as key dust sources using interim and final results from Phase 1 study

Phase 3: Mitigation

- Provide initial funding for mitigation projects to reduce PM10 emissions in key emissive areas

UC Riverside Project In Progress

Surface Characterization



- Generate high resolution maps of surface types, soil texture, vegetation type and cover
- Use satellite imagery, aerial imagery, and on-site analysis

Emissions Measurements



- Surface emission potential measured with a PI SWERL* for all surface types:
 - Portable wind tunnel measures dust emissions as a function of surface properties and wind speed

Dust Model Development



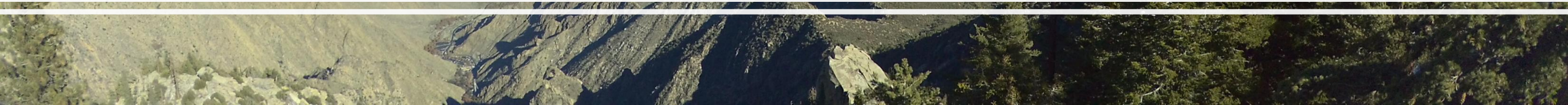
- Advanced computer modeling of dust emissions
- Model evaluation
- Identification of dust emissions hotspots
- Final product is a high-resolution dust emissions map

*Portable In-Situ Wind Erosion Laboratory (<https://www.dri.edu/project/pi-swerl/>)

Images from <https://cvmshcp.org/>



Questions?



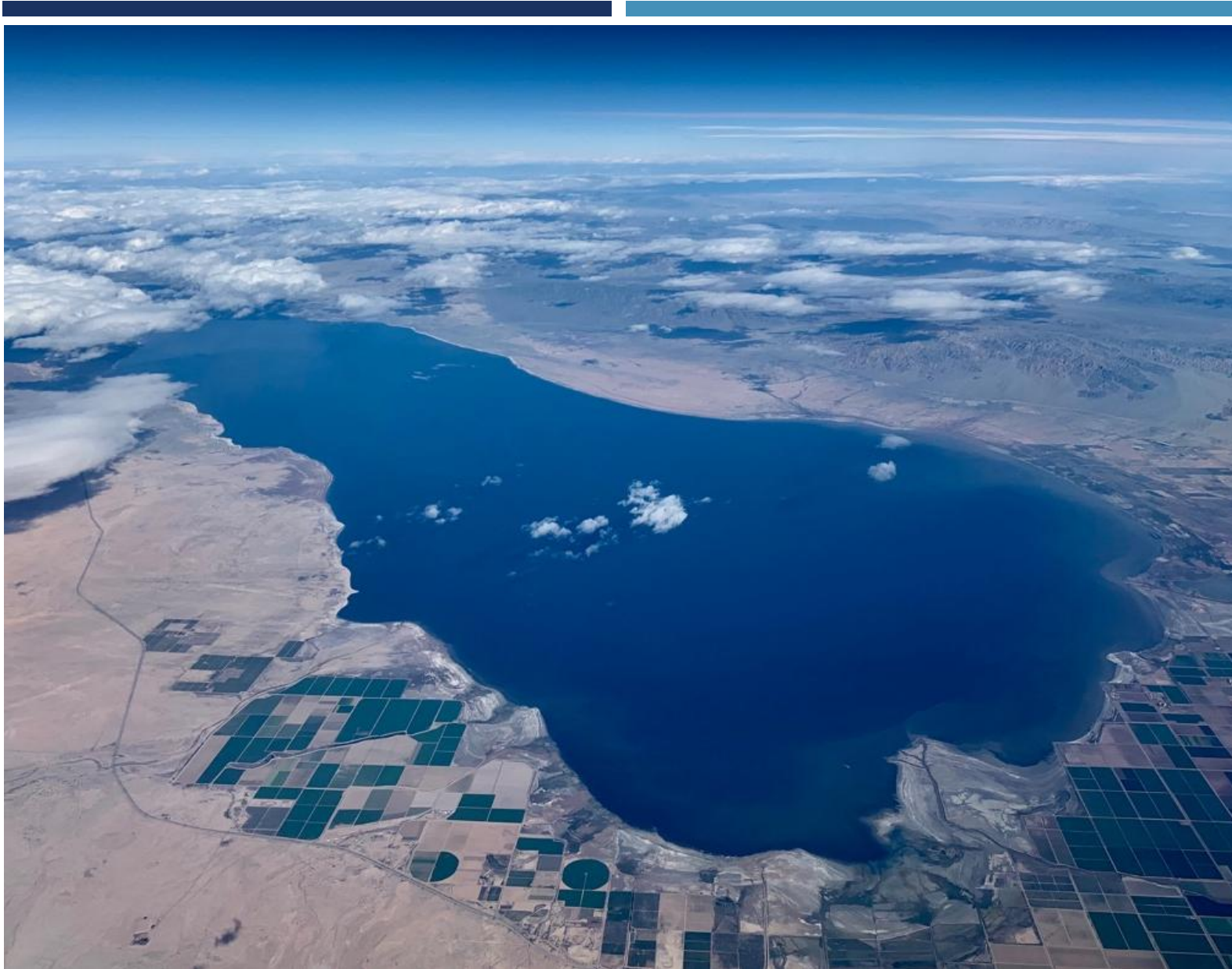
MONITORING WORKING TEAM

GRUPO DE TRABAJO DE MONITOREO

**Working Team
Updates**

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

Next meeting date:TBD



MONITORING WORKING TEAM (MWT) UPDATE

Mohammad Sowlat, Ph.D.

Program Supervisor



PM/Dust Characterization Study

ECV DUST CHARACTERIZATION STUDY

- Air quality concerns in ECV include fugitive dust emissions from truck traffic, unpaved roads, the surrounding desert, agriculture, and the Salton Sea
- As part of CAMP implementation, we conducted a comprehensive study to address these concerns

Purpose:

- Identify main sources of dust in ECV
- Quantify their contributions to particle pollution in the community



TOPICS DISCUSSED IN THE LAST MWT MEETINGS

I. Dust Characterization Study

1. Mass Balance: 8/15/2025
2. Source Apportionment: 9/12/2025
3. Salt Analysis: TBD

Additional Air Monitoring Resources

AB 617 AIR MONITORING PAGE FOR ECV COMMUNITY



<http://www.aqmd.gov/ab617/monitoring/ecv>

Access to real-time air
monitoring data

Interactive data summaries to
visualize, compare and access air
measurement data

Hydrogen sulfide monitoring and
notifications

Aeroqual (AQY) sensor data
dashboard and video tutorials

User survey

Informational handout

Pesticides Ambient Air
Monitoring Plan and Report

Community Air Monitoring Plan
(CAMP) and related documents

ADDITIONAL RESOURCES FOR AIR QUALITY ADVISORIES AND NOTIFICATIONS

PM10 Dust



Ozone (smog)



Wildfire Smoke



Salton Sea Odors



Sign up for AQI notifications in the South Coast AQMD App

Sign up for advisories at
www.airalerts.org

CONTACT INFORMATION



MWT Co-Leads

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Payam Pakbin
Atmospheric Measurements Manager
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OUTREACH WORKING TEAM

GRUPO DE TRABAJO DEL ALCANCE

**Working Team
Updates**

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

Next meeting date: TBD

CERP IMPLEMENTATION WORKING TEAM

GRUPO DE TRABAJO DE IMPLENTACIÓN DEL CERP

**Working Team
Updates**

*Actualizaciones de
Los Equipos de
Trabajo*

Next meeting

Wednesday, November 19, 2025
4:30 PM – 5:30 PM

Próxima reunión

Miércoles 19 de noviembre de 2025
4:30 PM – 5:30 PM

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

Pami Mukherjee, PhD
Air Quality Specialist

Community Steering Committee Quarterly Meeting

Thursday, January 15, 2026



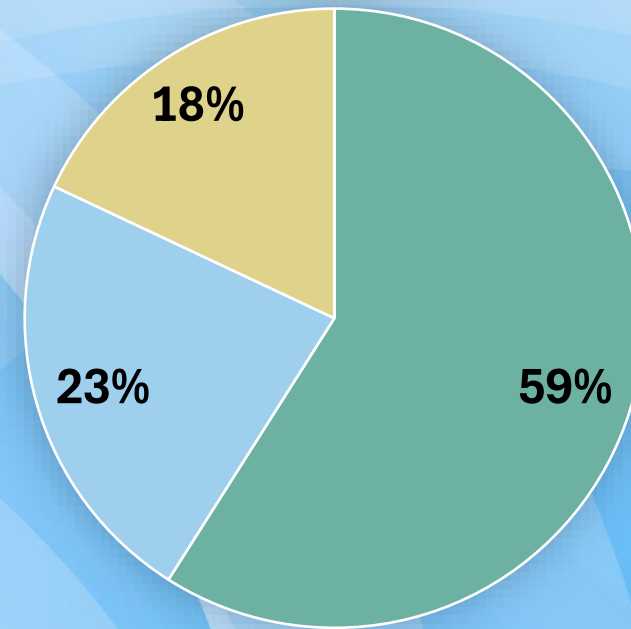
ECV CERP Implementation Progress

Seven Air Quality Priorities

- Land Use
 - Salton Sea
 - Pesticides
 - Fugitive Road Dust and Off-Road
 - Open Burning and Illegal Dumping
 - Diesel Mobile Sources
 - Greenleaf Desert View Power Plant
-
- 74 CERP Objectives

Status of CERP Implementation

From December 4, 2020 to June 30, 2025



Completed: 100% implemented



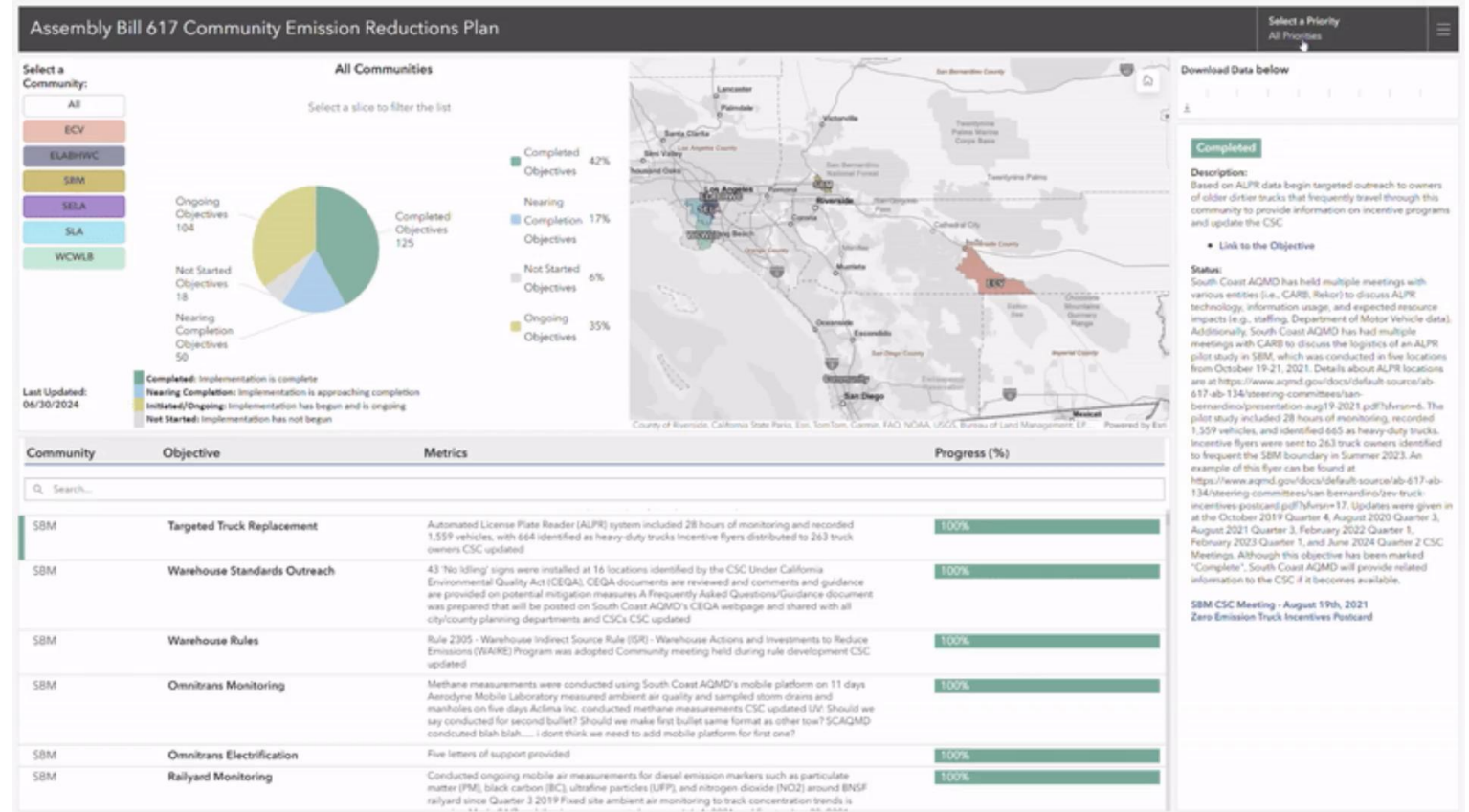
Initiated: 1%-74%
implemented



Nearing Completion: 75%-99%
implemented

ECV CERP: https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/eastern-coachella-valley/final-cerp/final-cerp.pdf?sfvrsn=5c25d361_13

CERP Implementation Dashboard Quickstart Tutorial



CERP Implementation Dashboard (Detailed update on CERP objectives):

<https://experience.arcgis.com/experience/b89ca66d41d442ae9baf9609f47aacff/page/English-ECV/>

Residential Air Filtration Program – Background

CERP Objectives

- **Salton Sea:** Chapter 5B, Objective 03A
- **Pesticides:** Chapter 5C, Objective 02C
- **Fugitive Road Dust and Off-Road:** Chapter 5D, Objective 03B
- **Open Burning and Illegal Dumping:** Chapter 5E, Objective 03C
- **Diesel Mobile Sources:** Chapter 5F, Objective 01A
- **Greenleaf Desert View Power Plant:** Chapter 5G, Objective 01A

Goal

Reduce exposure to air pollution

ECV RESIDENTIAL AIR FILTRATION PROGRAM UPDATES

- November 2022, Board approved \$1 million for the Residential Air Filtration Program in ECV
- March 2024, program began accepting applications
- 732* air filtration units awarded in ECV
- Approximately \$400k in funding is still available to ECV residents



**Based on data as of December 2025. Each unit awarded includes a three-year supply of replacement filters*

PROGRAM ACCEPTING APPLICATIONS



Program application and
information available at:
www.aqmd.gov/raf



Email for assistance:
617airfiltration@aqmd.gov

Paving Project – Background

CERP Objective

- **Fugitive Road Dust and Off-Road:** Chapter 5D, Objectives 02A and 02B

Goal

Reduce emissions from fugitive road dust and off-roading

Paving Project – Implementation Update



Background

- South Coast AQMD released two Program Announcements (PA2024 – 01 and PA2024 – 01R) soliciting applications for paving contractors but did not execute a contract
- On Friday, August 1, 2025, South Coast AQMD Governing Board approved the proposal to partner with the County of Riverside Transportation Department (County) through a Memorandum of Understanding (MOU)



MOU

- The MOU is anticipated to be presented to the County of Riverside Board of Supervisors for approval in 1st quarter of 2026
- Project implementation is anticipated to commence in Summer 2026

For more information about the paving project, please visit : <https://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/eastern-coachella-valley/paving-project>

AB 617 Clean Community School Program Update

Overview	Eligible Communities*	Funding Amount	Tentative Timeline
<ul style="list-style-type: none">• South Coast AQMD is developing a Program Announcement (PA) focusing on school bus replacement with electric models and electric charging infrastructure projects	<ul style="list-style-type: none">• AB 617 Communities• Consistently Nominated Communities*• Disadvantaged Communities per CalEnviroScreen 4.0**	<ul style="list-style-type: none">• \$20 Million Community Air Protection (CAP) Incentive Funding for School Bus Replacement Program• \$10 Million CAP Incentive Funding for Electric Charging Infrastructure Projects	<ul style="list-style-type: none">• PA is expected to be presented at the February, 2026 South Coast AQMD Governing Board meeting• Applications due by Tuesday, April 7, 2026• Contract(s) execution is anticipated to begin in Summer 2026

* CNCs: [Consistently Nominated AB 617 Communities list | California Air Resources Board](#)

** *Within South Coast AQMD jurisdiction*

ITEM 8

**ECV CSC
Opportunities**

*Oportunidades
del CSC*

COMMUNITY EVENTS

EVENTOS DE LA COMUNIDAD



Connecting with
our Communities

*Comunicando Con
Nuestras Comunidades*





SOUTH COAST AQMD JOIN THE CLEAN AIR TEAM! NOW HIRING



Positions include Engineers, Inspectors, Chemists, Public Affairs, IT, Clerical and more!

Work For The Leading Air Quality Agency in Southern California. Make A Difference in People's Lives. Clean the Air You Breathe and Protect Public Health.



4 Day Work Week



Retirement Plan



Telework Program



Life Insurance Benefits



Medical, Dental and Vision Insurance



Wellness Programs



13 Paid Holidays



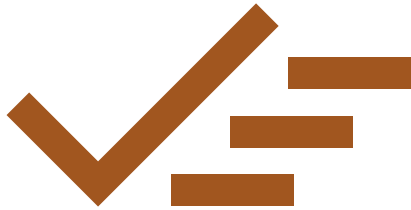
Continued Education Reimbursement



APPLY ONLINE
www.aqmd.gov/careers

South Coast Air Quality Management District • 21865 Copley Dr. Diamond Bar, CA 91765

AB 617: CSC MEMBERSHIP 2023 / MEMBRESÍA DEL CSC 2023



Current CSC Members / *Miembros actuales del CSC*

- ✓ No action required to continue serving as CSC Member / *No se requiere ninguna acción para continuar sirviendo como miembro del CSC*
- ✓ Will receive an email confirmation with CSC Interest Form / *Recibirá un correo electrónico con el Formulario de Interés del CSC*



New Applicants / *Nuevos solicitantes*

- ☐ CSC Interest Form available at: /
El Formulario de Interés del CSC está disponible en:
<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committee-interest-form.pdf?sfvrsn=34>
- ☐ Send CSC Interest Form or Questions to /
Envíe el Formulario de Interés del CSC o preguntas a:
ab617comments@aqmd.gov or 909.396.2029

ITEM 9

Next Steps

*Los Siguientes
Pasos*

NEXT STEPS

PRÓXIMOS PASOS

Future Announcements / *Anuncios Futuros*

- Newsletters or emails / *Boletines o correos electrónicos*
- Continue CERP implementation / *Continuar la implementación del CERP*
- Stipends / *Honorario*

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

Updated Stipend Procedure

Office Hours

- ▶ Contact: Carolina Vargas, Staff Assistant, bilingüe | cvargas@aqmd.gov | 909.396.3050
- ▶ Schedule:
 - ▶ Every first Thursday, 10:30 a.m. – 11:00
 - ▶ Todos los primeros jueves de cada mes
- ▶ Thursday, 02/05/2026, 10:30 a.m.
- ▶ Jueves, 6 de noviembre a las 10:30 de la mañana

MEETINGS CALENDAR / *CALENDARIO DE REUNIONES*

CSC Meeting

*January 15, 2026
15 de enero
5:00 – 7:00 pm*

CSC Meeting

*May 7, 2026
7 de mayo
5:00 – 7:00 pm*

CSC Meeting

*June 25, 2026
15 de junio
5:00 – 7:00 pm*

CSC Meeting

*September 24, 2026
24 de septiembre
5:00 – 7:00 pm*

ITEM I I

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

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

**CERP Implementation
Working Team**

MONITORING Working Team

Matthew Maldonado
Ryan Sinclair

OUTREACH Working Team

Anetha Lue

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

