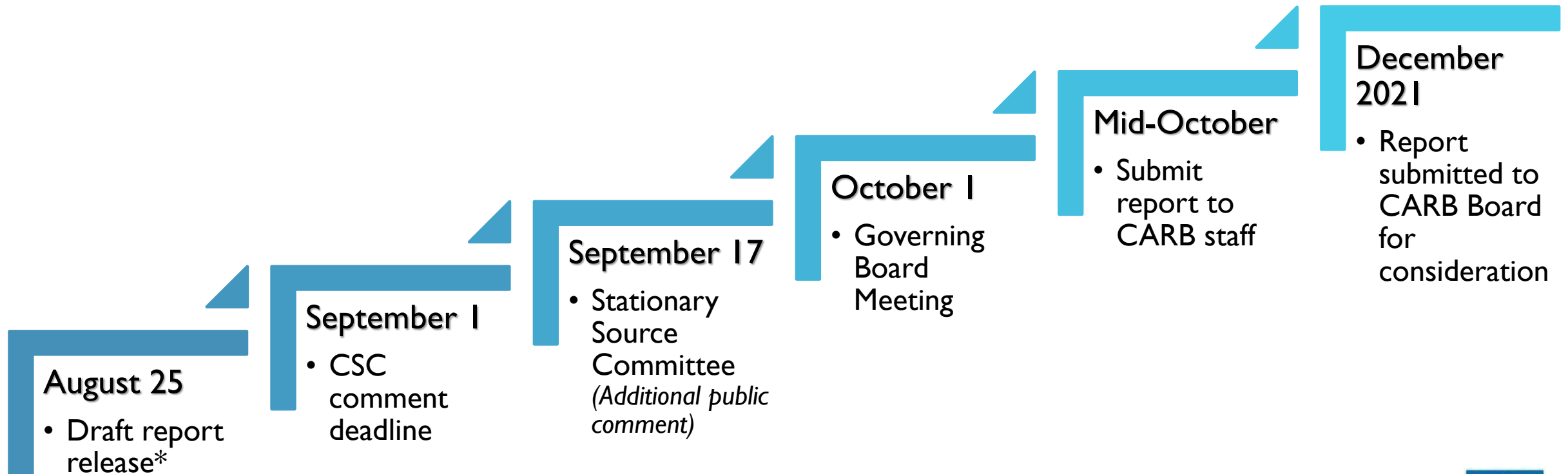


ANNUAL PROGRESS REPORT



ANNUAL PROGRESS REPORT TIMELINE



*2020-2021 Draft Annual Progress Report will be available online at
<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/2020-2021-draft-progress-report.pdf>





AB 617 BUDGET OVERVIEW

CERP IMPLEMENTATION

AB 617

ELABAWC

ECU

SLA

SBM

SELA

WCUWB

AB 617 BUDGET OVERVIEW

Incentives



~\$260 Million

- Total amount awarded since 2017
- Community Air Protection Program
 - Mobile Source Projects
 - Community Identified Projects
- Carl Moyer Program
- Prop 1B
- 1st and 2nd quarter discussions

Implementation



~\$50 Million

- Total amount awarded since 2017
- CSC Stipends
- Air monitoring equipment, contractors (e.g., ACLIMA), and data visualization
- Interpretation and facilitation services
- Staff salaries
- Today's discussion

For a review of incentives budget please see:

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-mar18-2021.pdf?sfvrsn=14>

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-dec10-2020.pdf?sfvrsn=14>

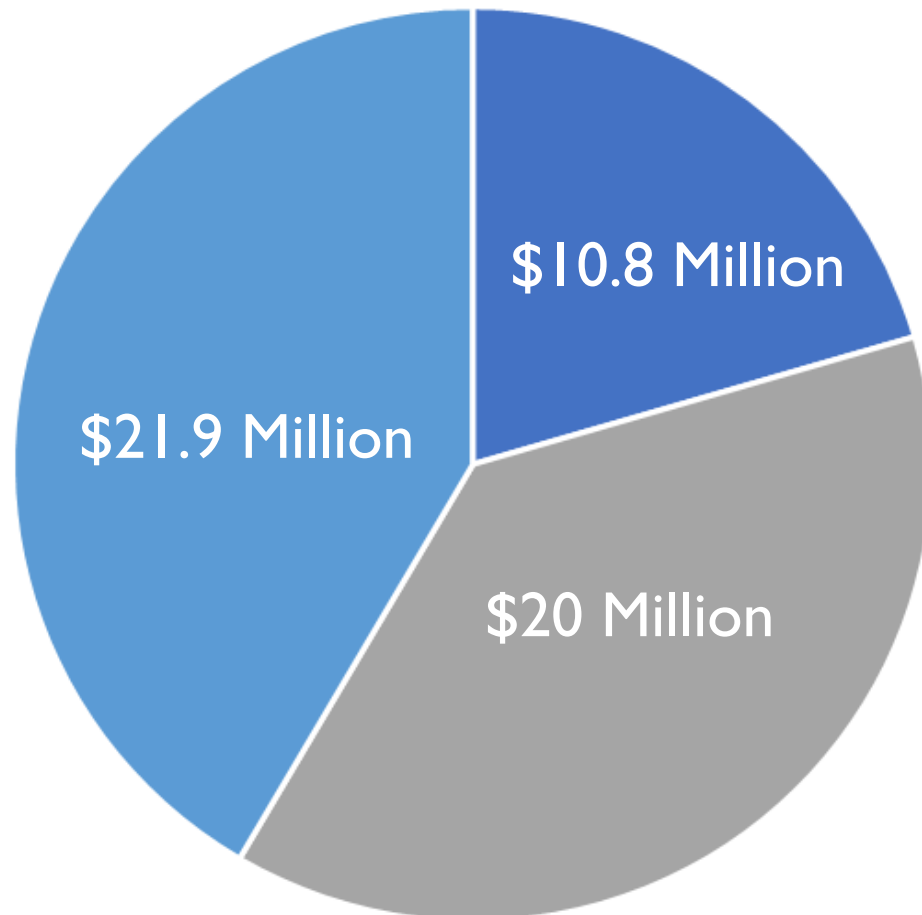
AB 617 IMPLEMENTATION BUDGET

Grant Years

Year 2017

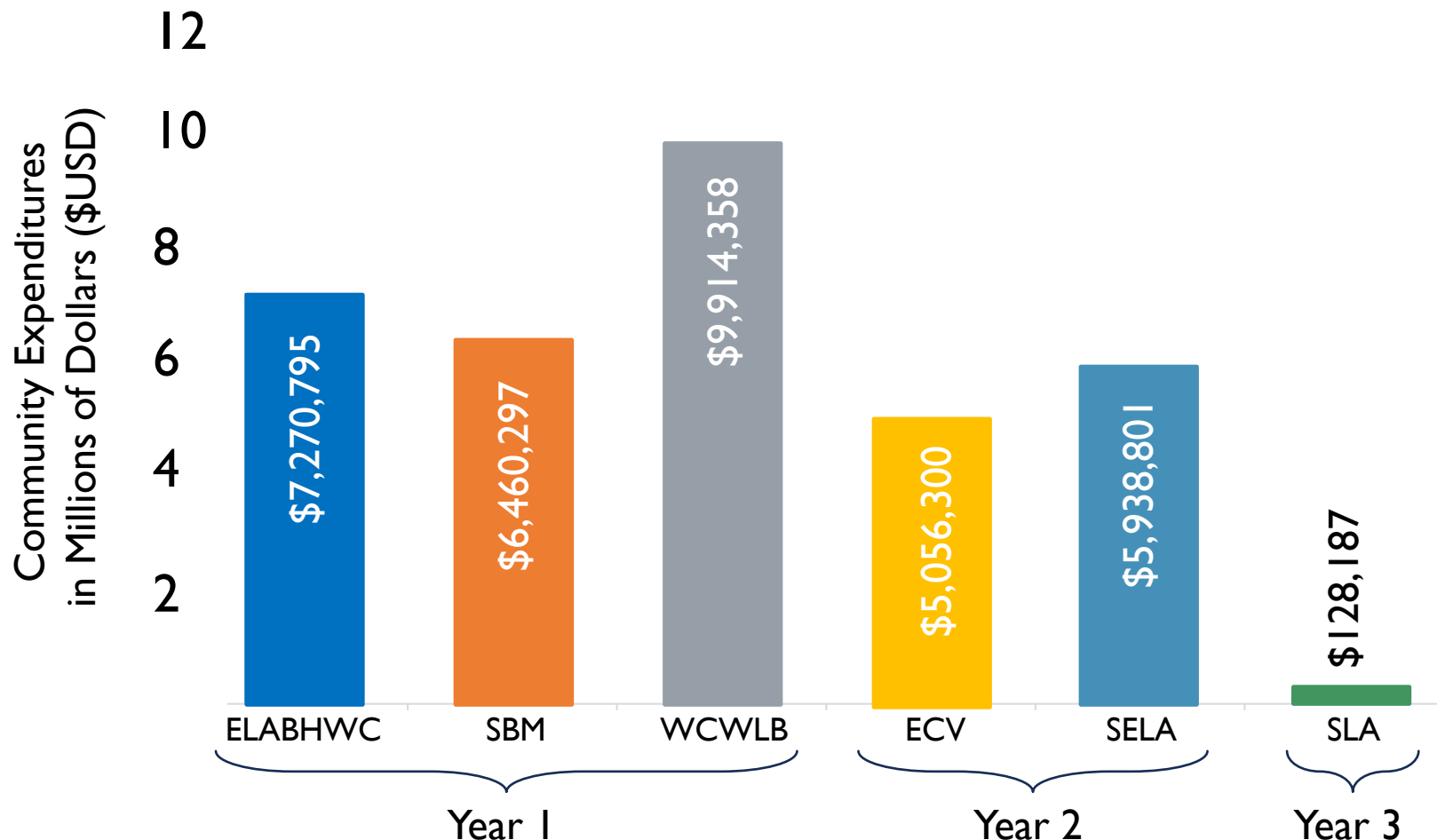
Year 2018

Year 2019



- Grant funds awarded through June 2021 total \$52.7 Million
- Grant funds awarded for implementation across all South Coast AQMD AB 617 communities
- Grant 2020 was received July 2021 for \$21.9 Million

AB 617 IMPLEMENTATION EXPENDITURES BY COMMUNITY



- Total AB 617 expenditures through June 2021: \$51,648,938*
- Cross community expenditures totaled \$16,880,200
- Remaining balance: \$1,031,062†

**Expenditures are currently unaudited*

*†Remaining balance as of 6/30/21 equal to:
\$52,680,000 - \$51,648,938*

ECV IMPLEMENTATION EXPENDITURES

Staff Salaries

Services and Supplies

- Interpreter services
- Cloud data storage
- CSC Stipends

Capital outlays

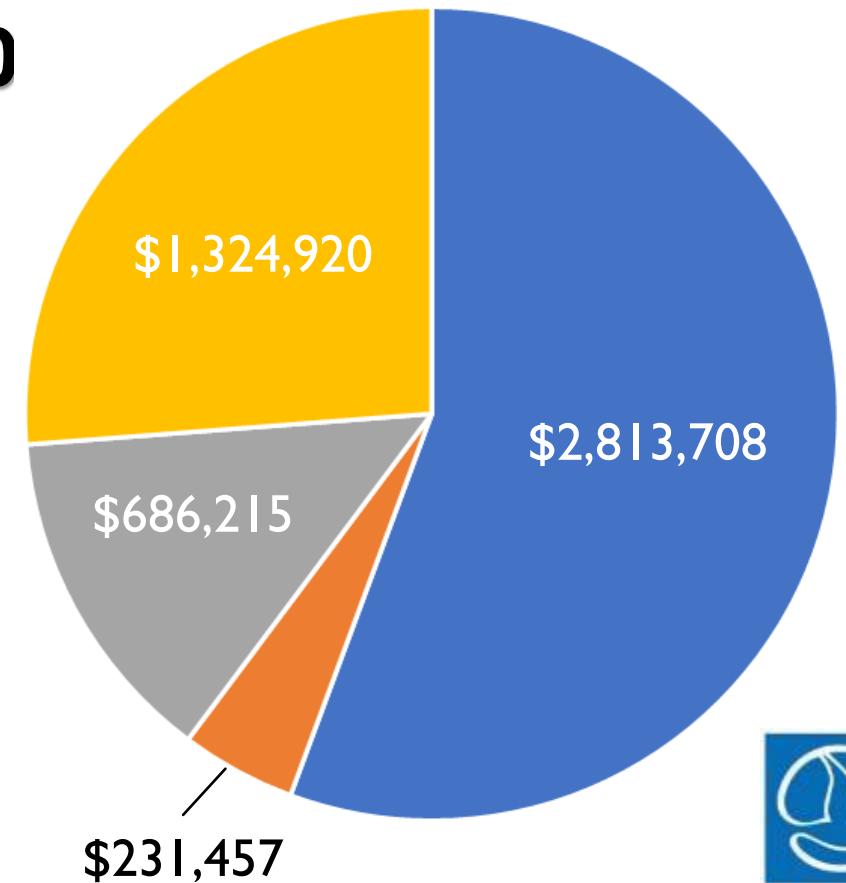
- Lab supplies
- Data visualization
- Air pollution instrumentation (e.g., BC, ozone, NOx, particle counters)

Indirect Costs

- Overhead costs
- Legal, finance, administration, etc.

\$5,056,300

*Total expenditures
since 6/30/21*





AB 617 TRUCK INCENTIVES WORKSHOP FOR HEAVY-DUTY TRUCKS

WALTER SHEN

PLANNING AND RULES MANAGER



BACKGROUND AND RECAP

Why a
project
plan for
truck
incentives?

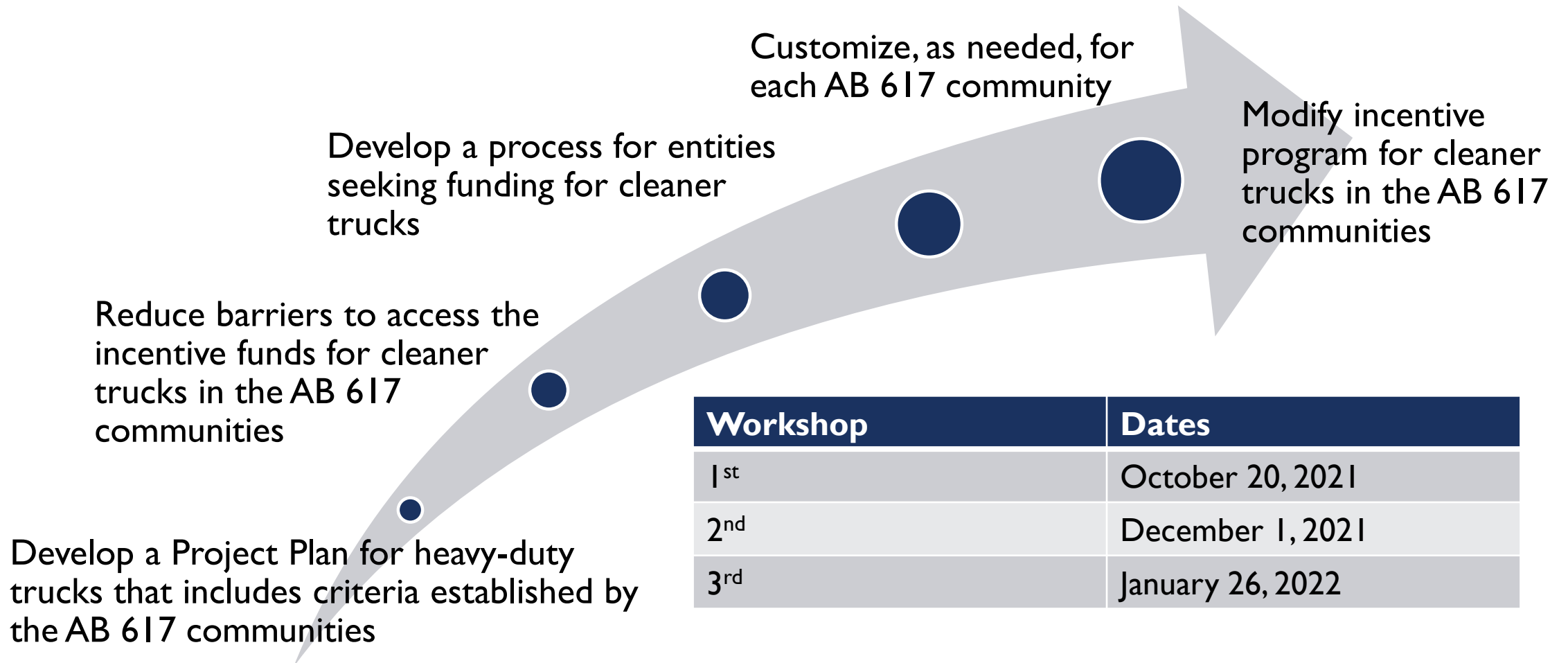
Existing incentive programs are not working for certain fleets and small businesses in AB 617 communities

Incentive program changes are needed to attract more participants

Customize incentives to meet the needs of the community (e.g., prioritize small businesses)

Prioritize funding for trucks in the AB 617 communities

TRUCK INCENTIVES WORKSHOP (OBJECTIVES AND DATES)



WHAT'S NEXT

- Upcoming workshop information will be provided
 - Agenda
 - ZOOM link
- Arlene Farol Saria (afarol@aqmd.gov)

OFFICE OF COMPLIANCE AND ENFORCEMENT



FUGITIVE DUST – RULES 403 & 403.1

SHAWN BENNAGE

Supervising Air Quality Inspector

OVERVIEW

- Rule 403 & Rule 403.1
- Best Available Control Measures
- Common Problems

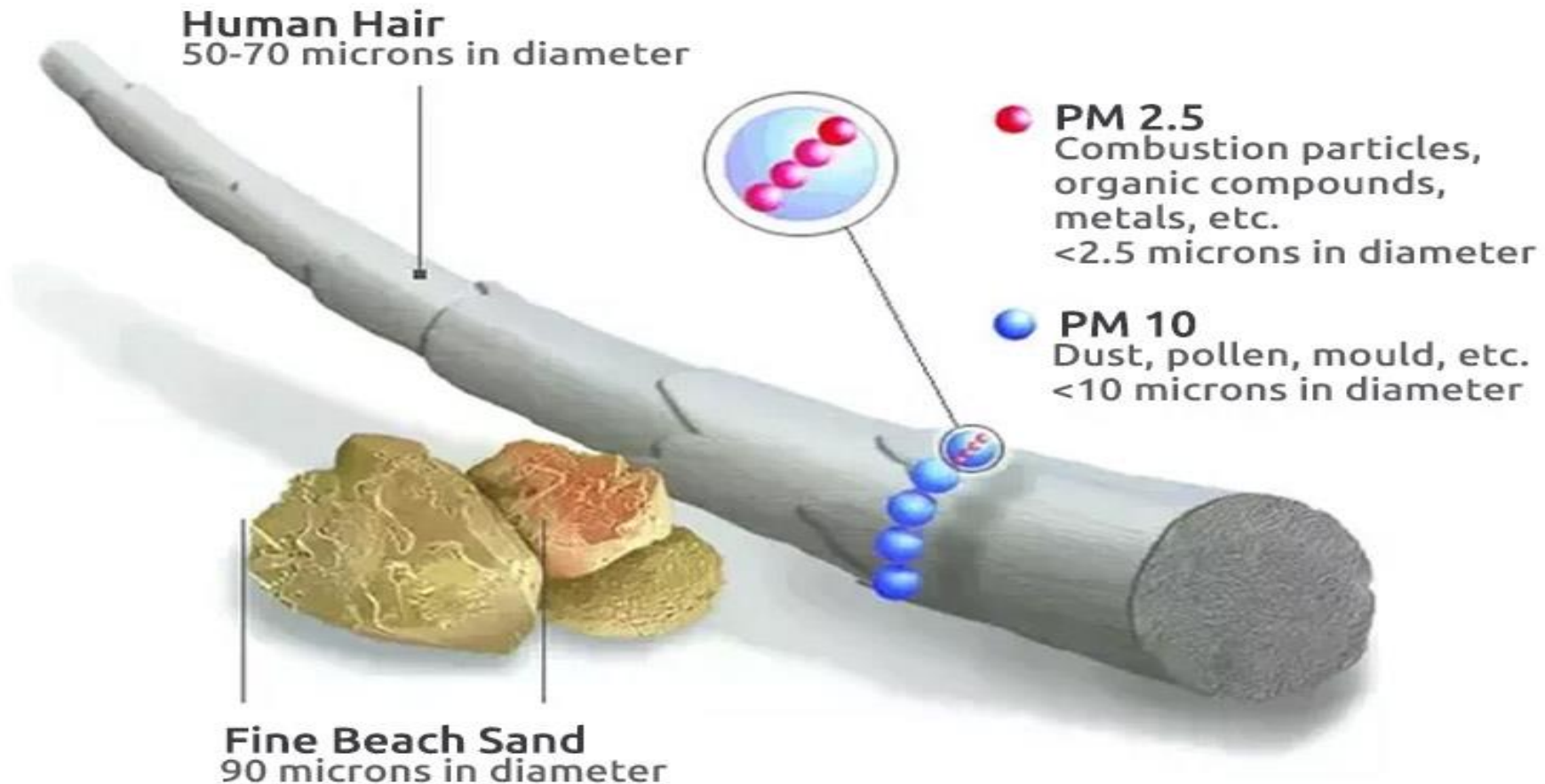
RULE 403: FUGITIVE DUST

Purpose

- Reduce the amount of particulate matter in the air that results from man-made sources

PARTICULATE MATTER

PM 2.5 & PM 10



ACTIVE OPERATIONS

Earth Moving



Vehicular Traffic



Demolition

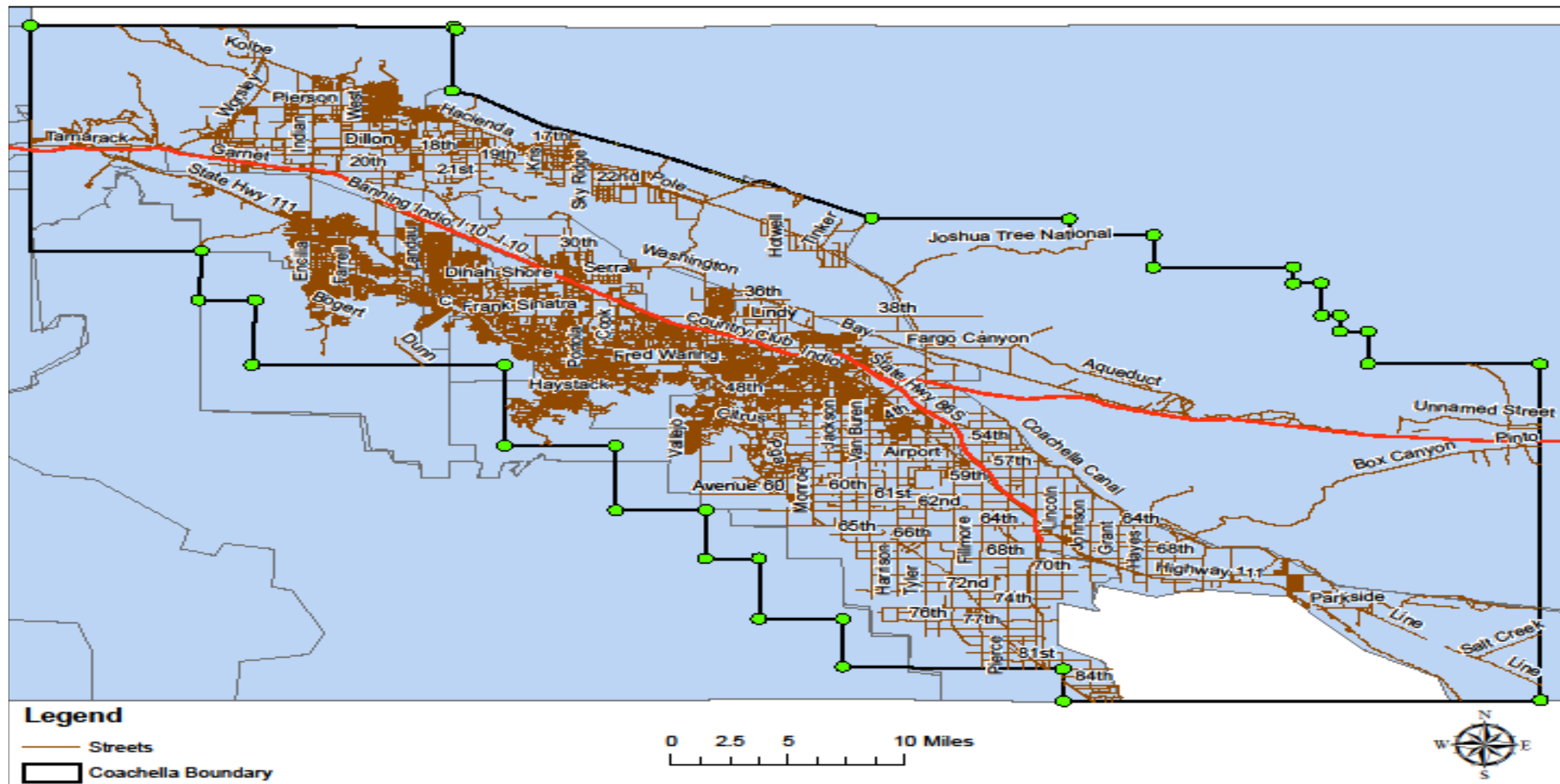


RULE 403.1

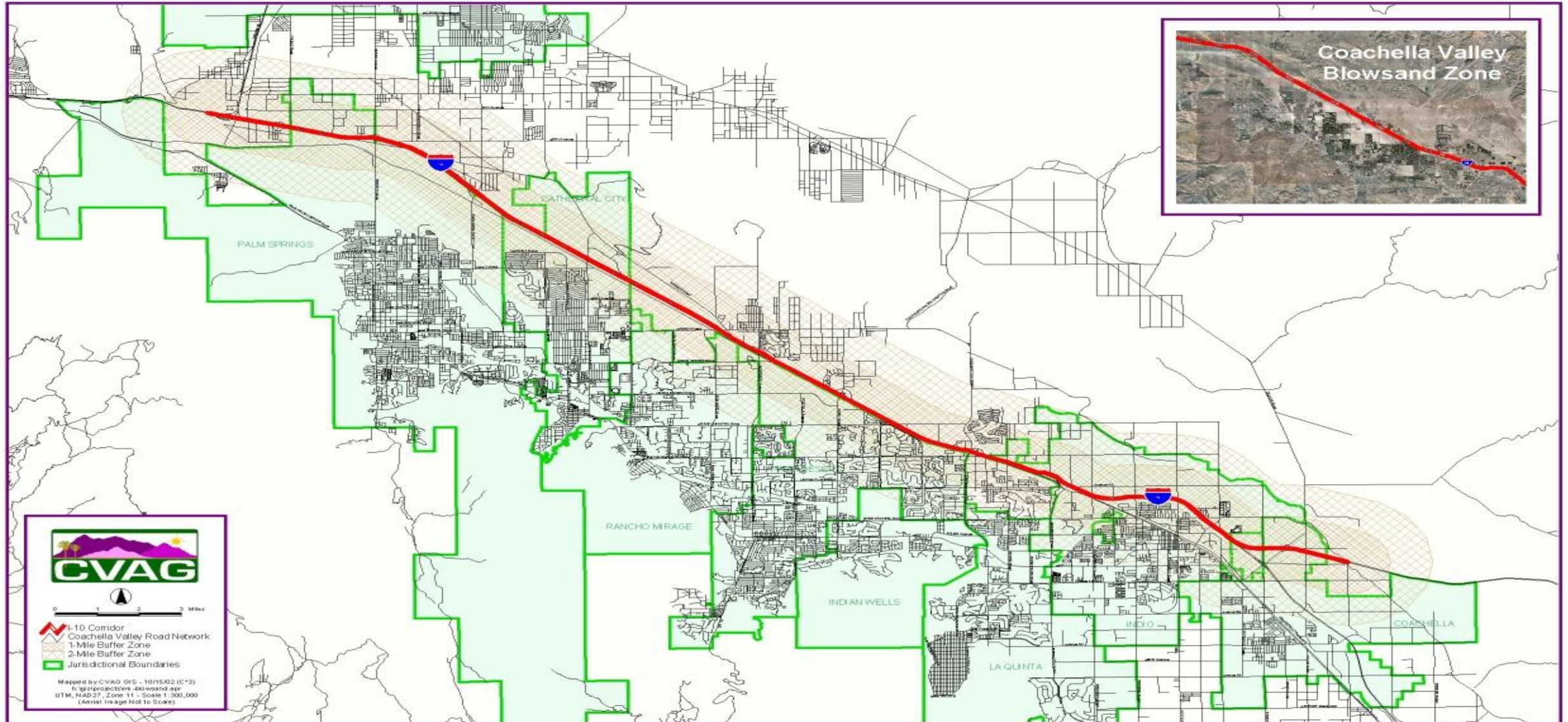
Purpose

- Supplemental Fugitive Dust Control Requirements for the Coachella Valley to further reduce PM10 emissions.

Coachella Valley Boundary and Location of the City of Desert Center



COACHELLA VALLEY BLOWSAND ZONE



DUST CONTROL PLAN

Active operations

- > 5000 square feet require a dust control plan
- Must install signage
- Must attend the Coachella Valley Control Training Class
- All dust control plans must be approved
- Not following the dust control plan is a violation of Rule 403.1

BEST AVAILABLE CONTROL MEASURES (BACM)

Source Category		Control Measure	Guidance
Earth-moving activities	08-1	✓Pre-apply water to depth of proposed cuts; and	✓Grade each project phase separately, timed to coincide with construction phase
	08-2	✓Re-apply water as necessary to maintain soils in a damp condition; and	✓Upwind fencing can prevent material movement on site
	08-3	✓Stabilize soils once earth-moving activities are complete.	✓Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes

SOURCE CATEGORIES

Stockpiles



Screening



Disturbed Soil



COMMON PROBLEMS

- Track Out
- Dust Crossing the Property Line

TRACK-OUT



TRACK-OUT



DUST CROSSING THE PROPERTY LINE





QUESTIONS?

COMMUNITY EMISSIONS REDUCTION PLAN (CERP) UPDATE - ROAD PAVING PROJECTS

EASTERN COACHELLA VALLEY (ECV)
SEPTEMBER 23, 2021



Pedro Piqueras, Ph.D.
Air Quality Specialist

SUGGESTED PROCESS TO DEVELOP ROAD PAVING PRIORITIZATION CRITERIA AND POLL

CSC prioritized \$4.57 million in Year 3 CAPP Funds for road paving projects

Budget Working Team (BWT) identifies criteria and considerations for Paving Projects*

At the next CSC meeting, BWT will:

- Present criteria and considerations
- Conduct a prioritization poll for CSC consensus

*South Coast AQMD staff will participate in BWT meetings to provide criteria guidance

CERP UPDATE - HOME AIR FILTRATION AND PURIFIER PROJECTS

EASTERN COACHELLA VALLEY (ECV)
SEPTEMBER 23, 2021



Pedro Piqueras, Ph.D.
Air Quality Specialist

ELIGIBILITY CRITERIA ACTIVITY FOR HOME AIR FILTRATION AND PURIFIER PROJECTS

Purpose:

Identify criteria and/or data to determine which households are eligible for home air filtration and purifier projects

Examples:

Accessible data:

- **Houses near sources** (e.g., Salton Sea, agricultural fields, Greenleaf Powerplant)
- **CalEnviroscreen 4.0** (e.g., socioeconomic and environmental factors)

Limited or no data*:

- **Type of home** (e.g., mobile)
- **Household income**
- **Household age**
- **Asthma rates**
- **Number of children in household**

**South Coast AQMD has limited information on demographic or public health data. Data outsourcing may be necessary, which may delay the implementation of this action.*

JAMBOARD INSTRUCTIONS



<https://jamboard.google.com/d/IGcM0nF7y34nsrV9GVeCe7vDMkBrLNlIwrC4JfsCAZOA/edit?usp=sharing>



**Use link above to access
Jamboard via Web**

What is Jamboard?

Jamboard is an online interactive tool! It is accessible through the web with Google Drive, or by using the free mobile app for iOS and Android, even on Google Play-enabled Chromebooks.

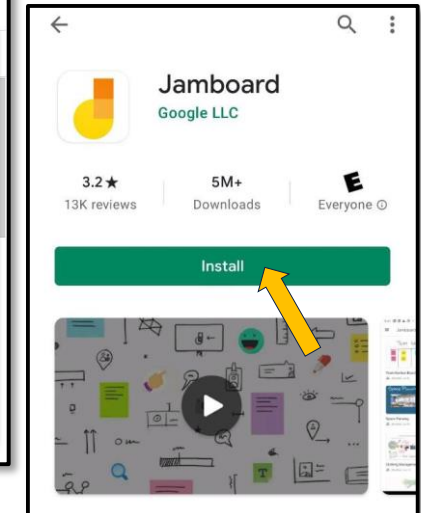
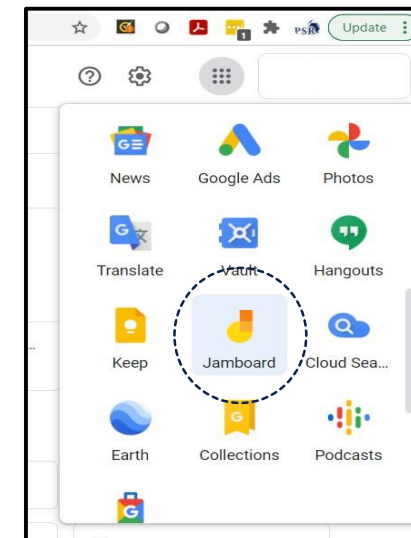
How to download Jamboard?

Web access:

1. Open Jamboard within your Google account
2. Go to google.jamboard.com

Tablet or smartphone access:

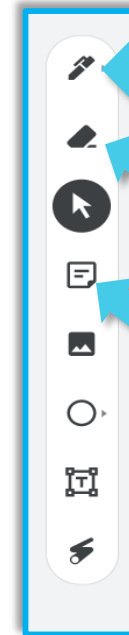
3. Go to your app store and search Jamboard
4. Install Jamboard on your phone or tablet.



JAMBOARD INSTRUCTIONS

How to use Jamboard?

Within the Jamboard app, you will see the **tools menu** on the left-hand side of your screen. These tools will help you write, draw, create, and communicate within the app.



1. The PEN tool can be used as a regular pen, a marker, a highlighter, or a brush. Plus, you can use one of six different colors to write.

2. The ERASER tool is to undo something YOU added to the Jamboard. In collaborative environments, we want to be sure no one's efforts are either accidentally erased or intentionally removed.

3. The STICKY NOTE tool will be used to capture your input. Type your input, select the color of your sticky note, click 'Save', then size and position it on the Jamboard.



The screenshot shows the 'Sticky note' creation dialog box. It has a title bar with the text 'Sticky note' and a close button. Below the title bar, there is a row of six colored circles (yellow, green, blue, pink, orange, and grey) for selecting the note's color. The main area of the dialog is yellow and contains two bullet points: 'Type your input' and 'Please include your name'. At the bottom, there are two buttons: 'Cancel' and 'Save'.

CSC ACTIVITY

Identify data or criteria to consider

**CRITERIA
EXAMPLE:**
Proximity to
the Salton Sea
- Jane Doe

Please provide input on Jamboard
sticky note with your name

**CRITERIA
EXAMPLE:**
CalEnviroscreen
4.0 score
- John Doe

*Additional input can be
provided to
ppiqueras@aqmd.gov
by October 1, 2021*

NEXT STEPS

September 2021

- CSC identifies eligibility criteria for home air filtration systems and purifiers*

December 2021

- Staff provides available data for criteria identified by the CSC
- CSC prioritizes criteria

Early 2022

- South Coast AQMD staff releases draft project guidelines

**Additional input can be provided to ppiqueras@aqmd.gov by October 1, 2021*

EASTERN COACHELLA VALLEY CAMP IMPLEMENTATION UPDATE

Payam Pakbin, PhD

Program Supervisor

Vasileios

Papapostolou, ScD

Program Supervisor

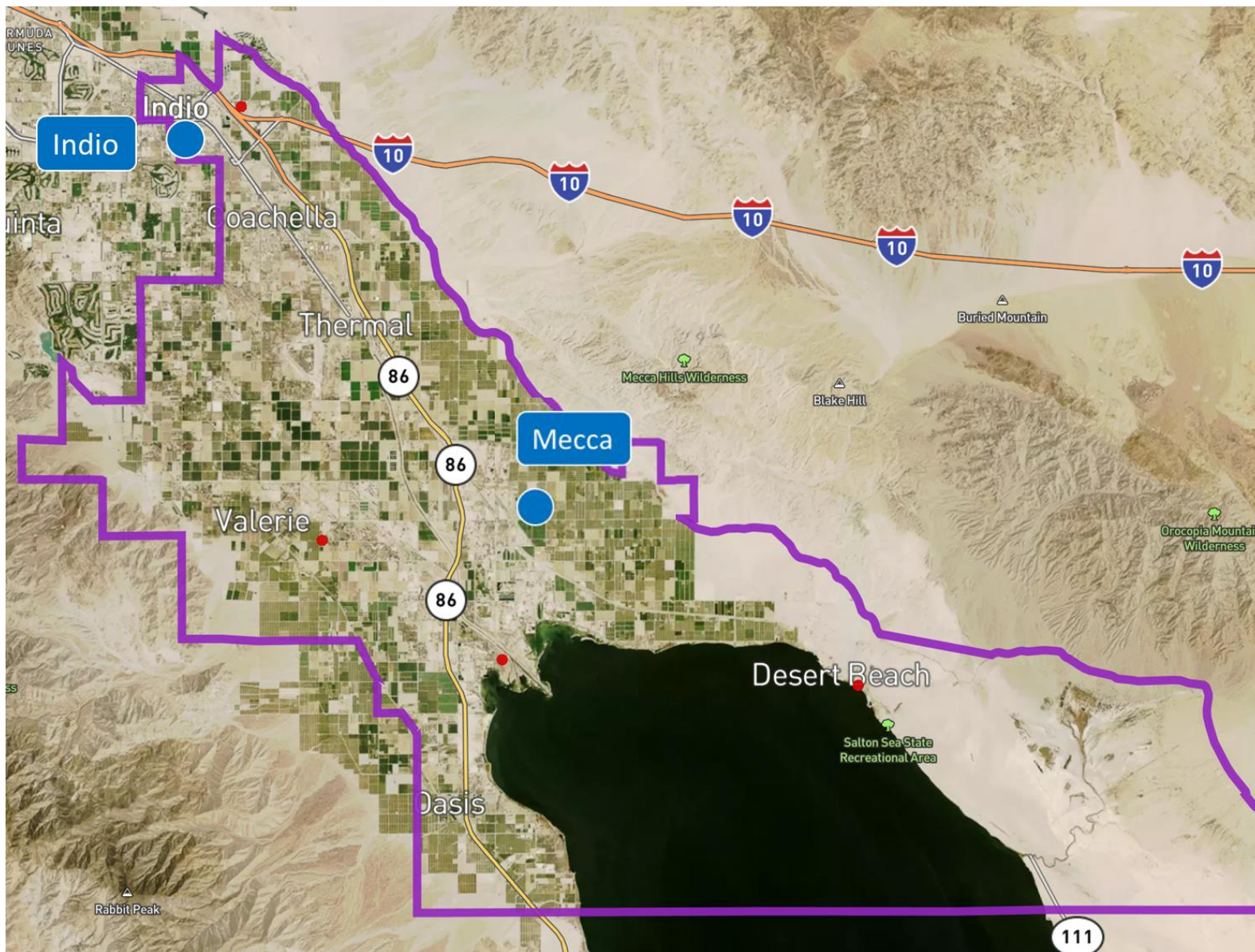


**WHICH MONITORS WERE
IN ECV BEFORE THE
AB 617 PROGRAM
BEGUN?**



EXISTING AIR MONITORING NETWORK

**WHICH ADDITIONAL
MONITORS HAVE BEEN
DEPLOYED SO FAR?**



INDIO MONITORING STATION

New monitors added:
Hydrogen Sulfide (H_2S)

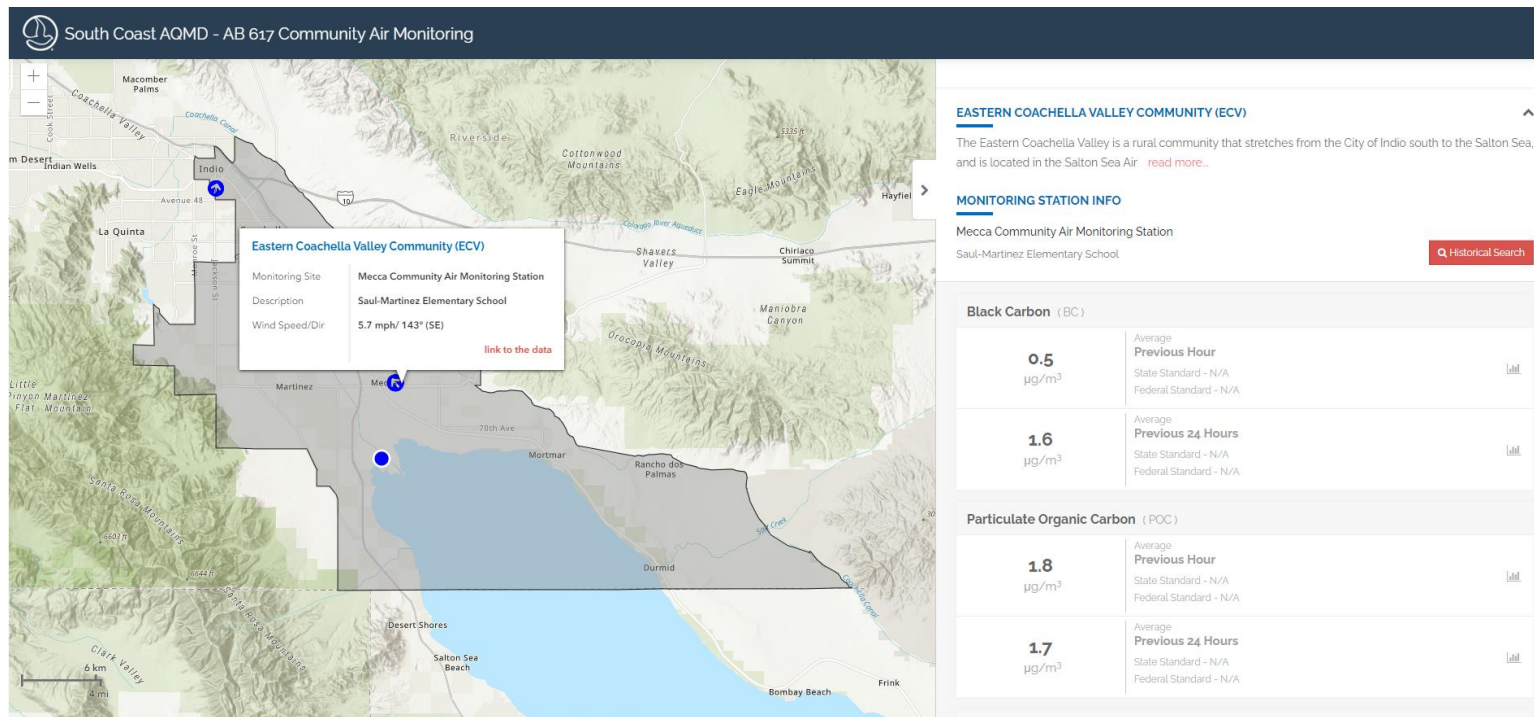
MECCA MONITORING STATION

SAUL MARTINEZ ELEMENTARY SCHOOL

New monitors added:
Fine Particulate Matter ($PM_{2.5}$)
Black Carbon (BC)
Total Carbon (TC)
Particulate Organic Carbon (POC)

AB 617 Data Display Tool

<http://www.aqmd.gov/ab617-data-display-tool/ecv>



WHERE TO
ACCESS THE
REAL-TIME AIR
MONITORING
DATA?

WHICH ADDITIONAL
MONITORS WILL BE
DEPLOYED IN THE NEAR
FUTURE?

MONITORS TO BE DEPLOYED SOON

Mecca

- Ammonia Monitor
 - *For continuous measurements of Ammonia*
- Multi-Metals Monitor
 - *For hourly measurement of over 20 different elements and metals*
- 24-hour filter sample collection
 - *Filters will be analyzed for elements, metals, ions and cations*
- Research-Grade Mass Spectrometer (in collaboration with UCR)
 - *For measurement of inorganic ions and organic aerosols*

Indio

- Continuous Oxides of Nitrogen Monitor
 - *For hourly measurement of NO, NO₂, NO_x*

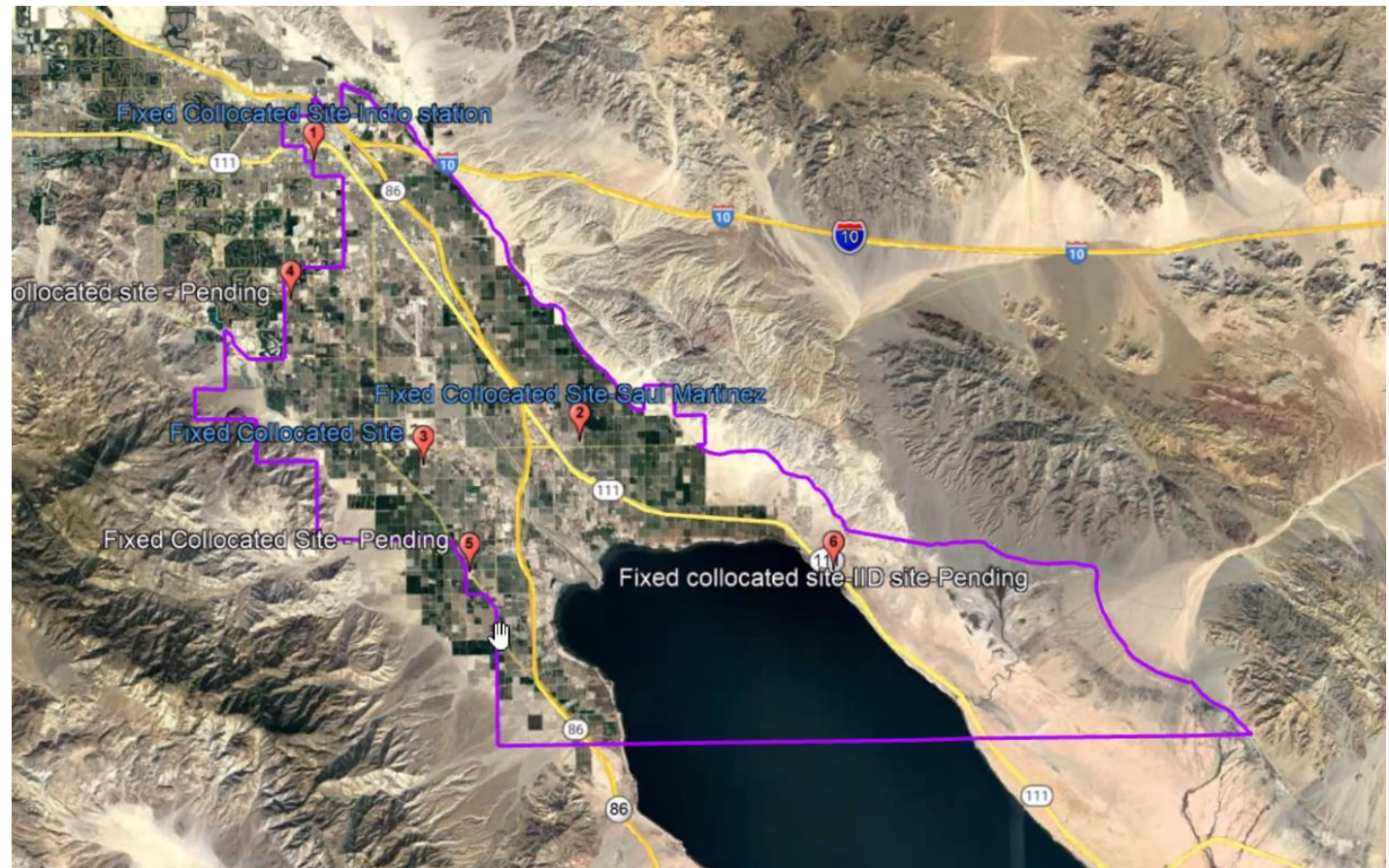
Others

- Continuous Hydrogen Sulfide Monitor
 - *For hourly measurement of H₂S potentially south of the Salton Sea*
 - *Discussion with the Monitoring Working Team is ongoing*

SENSOR NETWORK DEVELOPMENT: CO-LOCATION SITES

1. Indio (South Coast AQMD)
2. Mecca (South Coast AQMD)
3. Torrez Martinez Reservation
4. Westside Elementary School*
5. Oasis Elementary School*
6. IID Salton Sea Park

- Sensor already deployed
 - Sensors will be deployed soon
- *Assistance needed

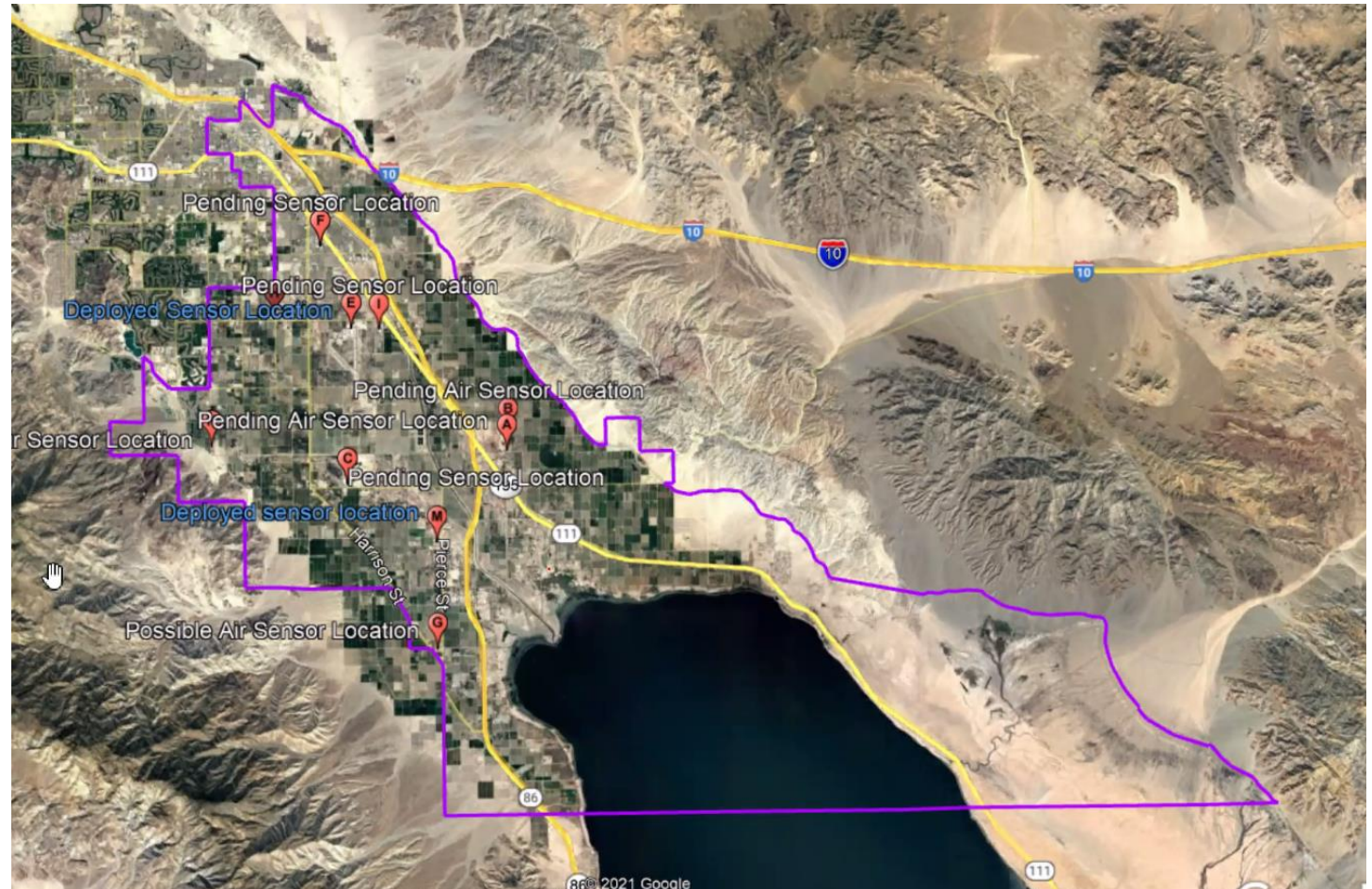


SENSOR NETWORK DEVELOPMENT: ADDITIONAL SENSOR LOCATIONS

- A. Paseo De Los Heros #1
- B. Paseo De Los Heros #2
- C. School Complex – 3 Schools*
- D. North Shore Park*
- E. Airport
- F. Bobby Duke School*
- G. Borrego Health Facility*
- H. Coachella Valley High School*
- I. Coachella Valley Unified School District HQ*
- K. Key Key Tum Park*
- M. Mission San Jose Church

- AQY sensor already deployed
- Potential locations for deployment (pending approval)

*Assistance needed



AEROQUAL AQY SENSOR

Each AQY 1 Includes:



Aeroqual AQY 1 Monitor

Power Adapter

Power Extension Cord

Mounting Bracket/Bolts

Outfitted with Solar Power



www.aqmd.gov/aq-spec/sensordetail/aeroqual-aqy-v1.0

WEB DASHBOARD DEVELOPMENT

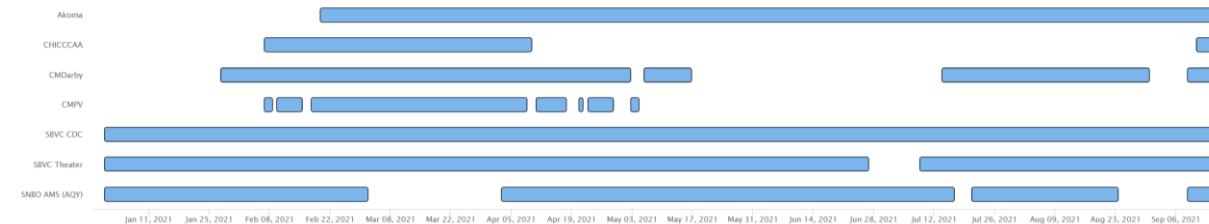
[Analysis](#) [Diagnostics](#) [Data Export](#) [Observations](#) [About](#)

[Calendar Plot](#) [Explore PM](#) [Explore O₃/NO₂](#)



Pollutant: PM_{2.5} (µg/m³) From Date: 2020-09-17 To Date: 2021-09-17 [Update Chart](#)

Sensor Health Monitor

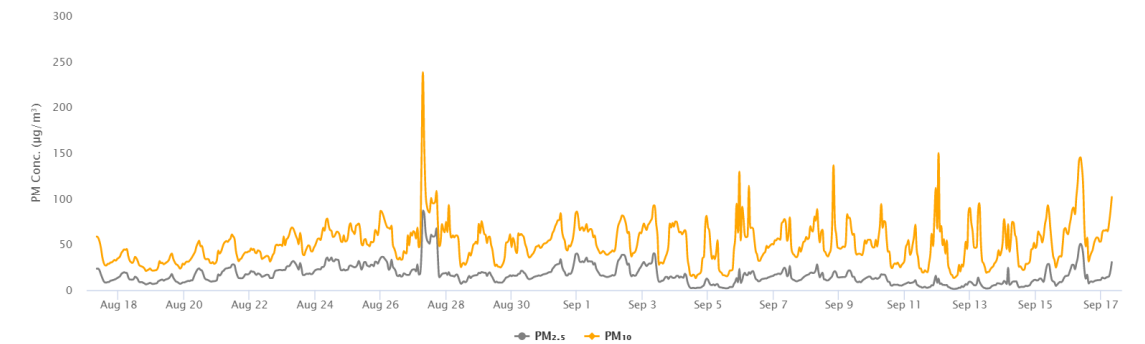


[Analysis](#) [Diagnostics](#) [Data Export](#) [Observations](#) [About](#)

[Calendar Plot](#) [Explore PM](#) [Explore O₃/NO₂](#)

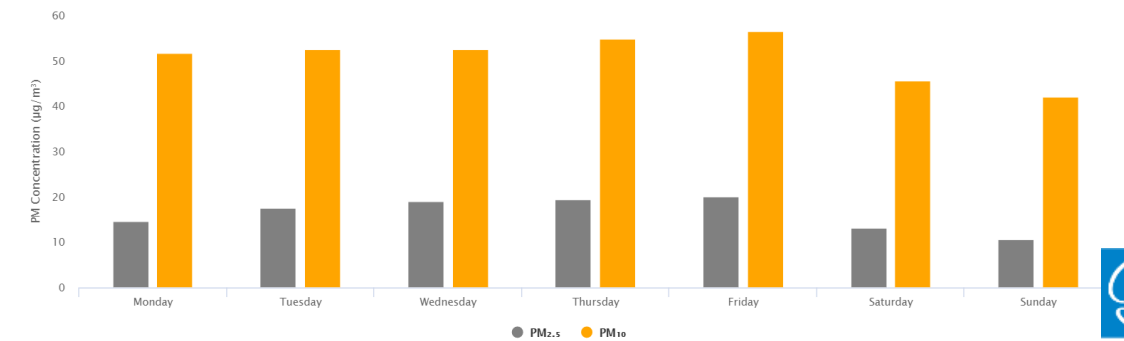
PM Hourly Time Averages

Akoma from 2021-08-17 to 2021-09-17



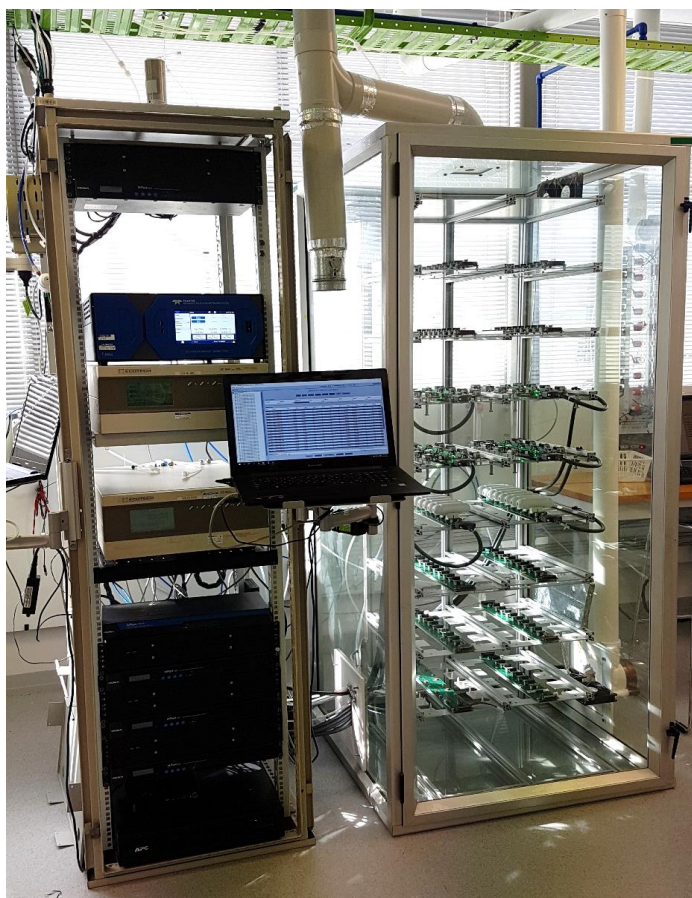
Day of Week Trends

Akoma from 2021-08-17 to 2021-09-17



AQY CALIBRATION APPROACH

Factory Calibration

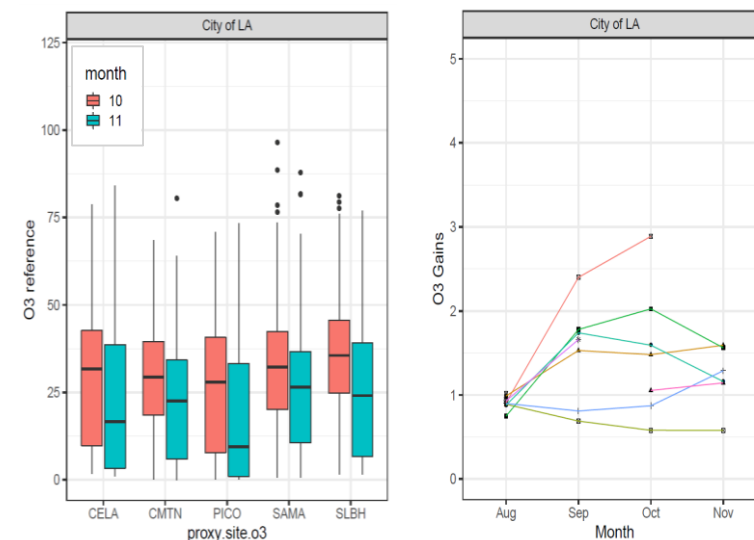


Field Calibration



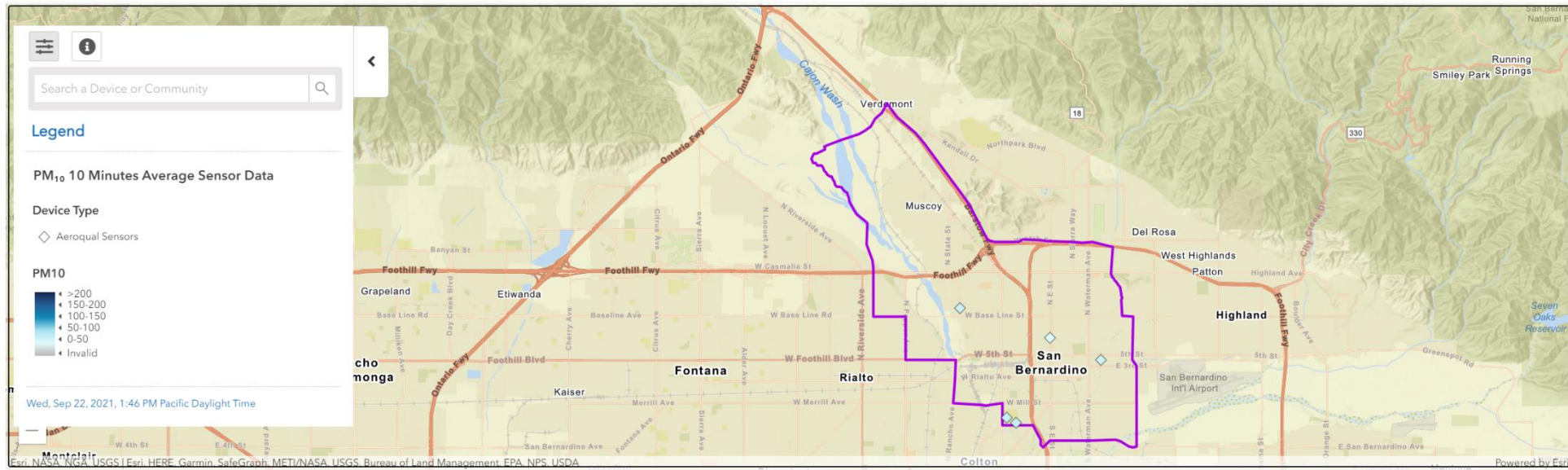
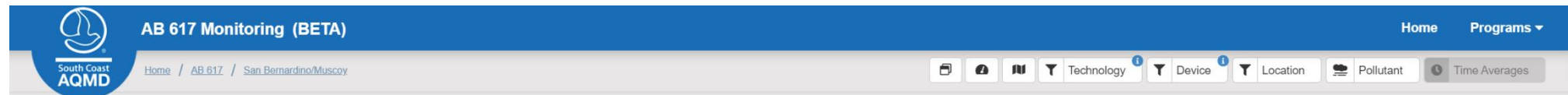
Remote Network Calibration

A **MOMA (MOment MAtching) Calibrator** Application is designed to take AQY data, match it with EPA reference data (AirNow) and calibrate the AQY with Aeroqual's moment matching algorithm.



DATA DASHBOARD STATUS UPDATE

Go live with BETA version in 2-3 weeks



San Bernardino/Muscoy Monitoring

WANT TO LEARN MORE?

- Please get in touch

Please contact:
Payam Pakbin
ppakbin@aqmd.gov
909-396-2122

Please contact:
Vasileios Papapostolou
vpapapostolou@aqmd.gov
909-396-2254





ECV Community Outreach Planning Team

September 2021 Status Report

CSC Outreach Working Team Volunteers



Brittney
Sowell



Matthew
Maldonado



Yaneth
Andrade
Magana

Mariela Loera



Lety de Lara



Bea Gonzalez



Pati Leal-Gutierrez



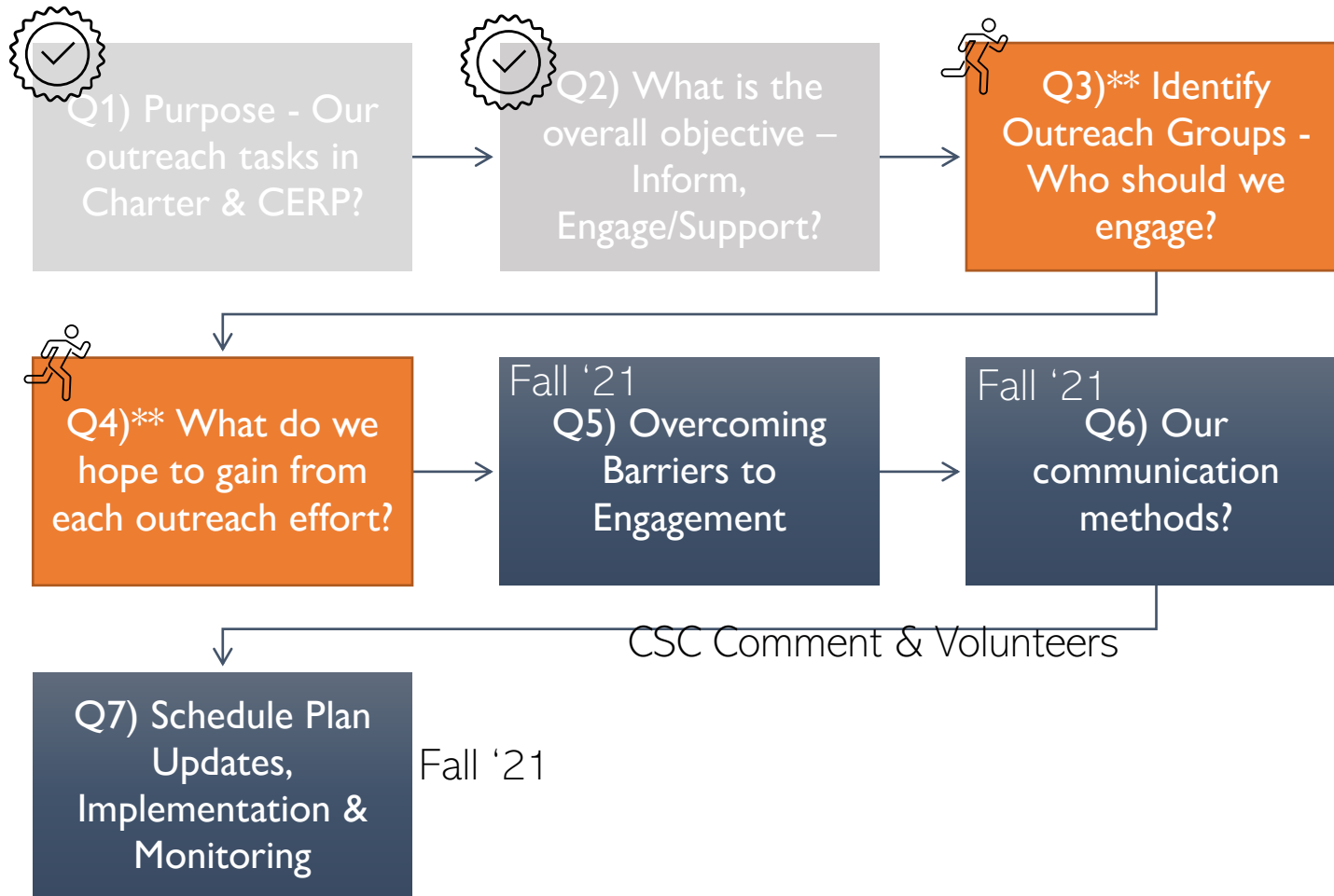
Anetha Lue



Community Outreach Working Team Actions

- **Our Mission** - Develop outreach plan to engage stakeholders in 5-year process.
- **The Schedule** – Complete plan before December 2021
- **Your Input** – Plan Input & Implementation

Ab617 ECU Outreach Planning Process & Status



Ab617 ECV Outreach Planning - Results



Completed

PURPOSE STATEMENT

- Why are we doing outreach?

*See - Outreach Plan
Information Document*



Completed

EXPANDED COMMUNITY PROFILE – Who are we connecting to?

*See - Expanded Community
Profile Document*



In progress

OUTREACH METHODS

- In progress

Updates will be sent to
CSC members



To Schedule

CSC MEMBER ASSIGNMENTS

- CSC Members will be
asked to volunteer



ECV Community Outreach Group

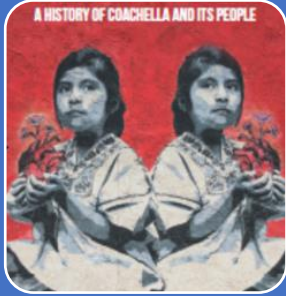
Please feel free to
Join us!

Full Progress Report Online

Planning Results – Outreach Purpose

As of September 2021

Result – Community Outreach Purpose: Why Are We Doing Outreach?



PURPOSE of community outreach is to...

- Support work on the CERP
- Provide updates to the local community



AB617 ECV, Purpose of Community Outreach:

- As described in the CERP outreach efforts by community organizations should support work on the CERP tasks for – the Salton Sea, reducing exposure to open burning, and reducing illegal dumping.
- As described in the AB617 ECV Charter CSC members were expected to, “demonstrate leadership by providing updates and outreach to their local community members”, and work with the SCAQMD in this effort

Support CERP - Discussing Outreach Site Visit to Green Leaf

Result – Community Outreach Purpose: Select Outreach Methods



We will **ENGAGE** the community via..

- in person contact with the CSC members
- online tools & social media
- existing advertising campaigns

Outreach options and methods:



Sunline offered use of this mobile outreach vehicle

- Can/should include door-to-door outreach, Spanish radio, focus groups, interest surveys (distributed by CSC members) to determine community interests, social media, etc.
- Should be adjusted for lack of usual community events due to social distancing and COVID – e.g., SunLine Transit can volunteer a mobile outreach vehicle which they have found to be effective during COVID.
- Should request assistance from other CSC members

Result – Community Outreach Purpose: Informing



We will **INFORM** the community of the CERP progress via ...

- clear & simple methods
- language of the community member

LA PRENSA HISPANA
Bilingual Newspaper



HOME MEDIA KIT BRANCHES CONTACT US DIGITAL NEWSPAPER OUR VOICE



DIGITAL NEWSPAPER

Posting States - “La Prensa Hispana is the only bilingual newspaper in the **Coachella Valley**”

Outreach options and methods:

- Ensure that outreach information language is stated simply to avoid confusion, and it should explain basic information such as, “What is AB617?”
- Expand the description and information on the community profile as currently stated in the CERP to include demographic information and description of impacts
- Consider how feedback can be obtained from the community

Result – Community Outreach Purpose: Engage Groups



We will **SUPPORT** the community by...

- Engaging all interested groups/residents



Figure 2--Indio Civic Center--Source: <https://www.indio.org/>

Contact City Representatives



Attend Meetings



Visit Torres Martinez Tribe - & others

Result – Community Outreach Purpose: Listening



We will **SUPPORT** the community by...

- Listening to the concerns of the community
- Engaging all interested groups/residents
- Being accountable to the community by delivering promised results



Articles Environment Just Published

Walking in the Dark: we need representation to improve infrastructure in Eastern Coachella Valley

May 27, 2020 Coachella Unincorporated 0 Comments

By Rosa González Andrade My community is beautiful. The people from the Eastern Coachella Valley (ECV) are comforting and kind.

Monitor News Article Postings



Monitor Facebook Postings



Conduct new Surveys & Use HARC Data

Planning Results - Groups Selected for Outreach

As of September 2021

Result: Indio, Coachella, Vista Santa Rosa (VSR) & Salton Sea (SS), Illegal Dumping (ID) Contacts

Contact Residents + Organizations listed ...

- Southwest Arts Festival - Jan
- Riverside County Fair & National Date Festival in Indio – Feb.
- Indio Health and Wellness Fair – Feb
- Stagecoach - Apr
- Annual Desert Behavioral Health Arts Festival – May
- Dia de los Muertos Celebración – Nov
- Indio Powwow – Nov
- Indio Arbor Day Celebration - Dec

Festivals & Entertainment



- Alianza Coachella Valley
- Indio Chamber of Commerce
- City of Indio (City Manager & Commissions)
- Coachella Valley Economic Partnership - East Valley Office
- Twenty-Nine Palms Band of Mission Indians of California
- Greater Coachella Valley Chamber of Commerce
- 29 Palms Tribal EPA (Coachella)
- Coachella Valley Water District
- City of Coachella (City Manager & Commissions)
- Torres-Martinez Desert Cahuilla Indians (VSR)
- California Women for Agriculture (VSR)
- Salton Sea Partnerships (SS)
- California Air Resources Board (SS)
- California Natural Resources Agency (SS)
- State Water Resources Control Board (SS)
- Comite Civico (SS)
- Supervisor Perez's Office (SS)

Civic



- College of the Desert
- Cabazon Band of Mission Indians
- The Desert Sun (newspaper)
- El Informador del Valle (newspaper)
- Raices Cultura
- KESQ.COM (local online TV)
- John F. Kennedy Memorial Hospital
- Desert Regional Medical Center
- CNC Education Fund Coachella Valley Wild Bird Center
- Coachella Valley Volunteers In Medicine (Coachella)

Academic & Health



Result: Thermal (T), Mecca (M), North Shore (NS), Residents (R), Illegal Dumping (ID), Open Burning (OB) Contacts

Contact Residents + Organizations listed ...

- Thermal Race Club (private) - (T)
- Greenleaf Power - (M)
- Local artists
- Employers and Small Businesses
- Green Leaf Desert Power Plant Owner & Operator

Festivals,
Entertainment/Business



- Riverside County - (T)
- Cabazon Band of Mission Indians - (M)
- Torres Martinez Desert Cahuilla Indians - (T)
- Boys & Girls Clubs - Coachella' - (M)
- Salton Sea Management Program - (NS)
- Comite Civico Del Valle - (NS)
- Salton Sea Authority - (NS)
- Latino commission
- Riverside County Health Department - (OB)
- Friends of the Desert Mountains
- Riverside County Youth Advisory Council
- Neighborhood Committees
- Community Centers
- Coachella Valley Association of governments - (OB)
- Ivan Coachella
- Department of Pesticide Regulation
- Salton City - (ID)
- Mecca government - (ID)
- Thermal government - (ID)
- South Coast AQMD - (OB)

Civic



- College of the Desert - (T) campus
- Coachella Valley Unified School District, Facilities - (T)
- Mecca Family and Farmworkers Service Center - (M)
- Riverside University Healthcare System, Behavioral Health
- Borego & Clinicas health districts
- k12 Schools
- Health Assessment and Research for Communities (HARC)
- Libraries
- Residents, all
- Residents, mobile park community

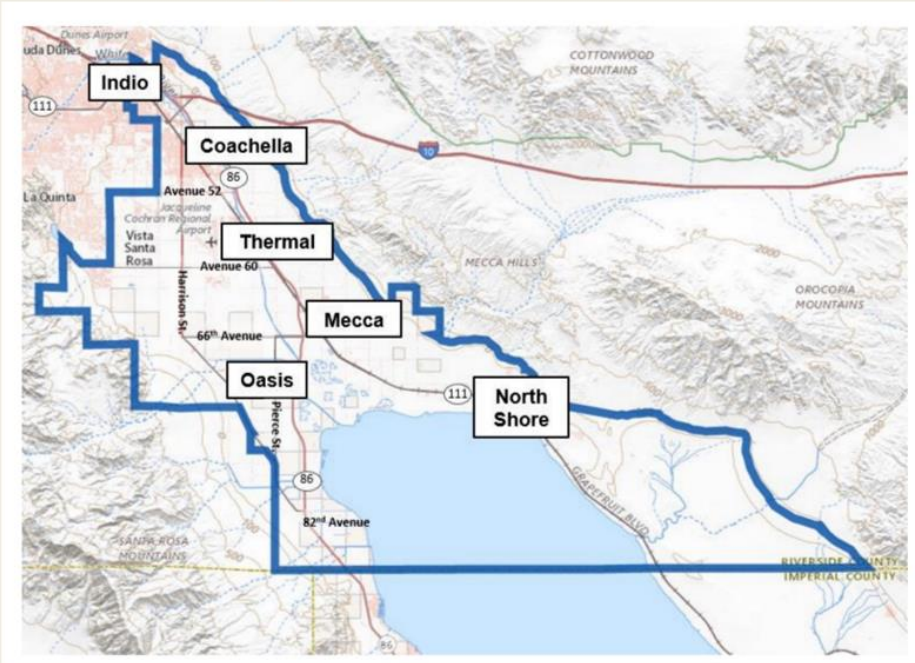
Academic, Health, &
Residents



Planning Results – Expanded Community Profile

As of September 2021

Defining ECV Communities



By Eastern Coachella Valley
AB617 CSC Environmental Justice Group
September 2021

Contents

General Description of Eastern Coachella Valley Region	2
Indio.....	4
Coachella	7
Vista Santa Rosa - La Quinta.....	10
Thermal	11
Oasis.....	16
Mecca	17
North Shore	19
Tribal Lands	23

*See Google Doc for this Report on
the Expanded Community Profile*

Result: Expanded Community Profile

Indio

- Festivals & fun. City Government & courts
- 16% Poverty. Professional & Education employment

Coachella

- Casinos, upcoming bike path, planned rail service from LA
- 20% Poverty. Entertainment employers



Result: Expanded Community Profile

Vista Santa Rosa

- Polo club. Farming
- 20% Poverty.

Thermal

- Farming. Million-\$ Formula #1 community.
- 32% Poverty . Retails & recreation employers.

EMPIRE POLO CLUB



Events

Mountain Green Nursery, Inc.



56302 Monroe St

Thermal, CA 92274

760) 992-1958 (760) 880-6217

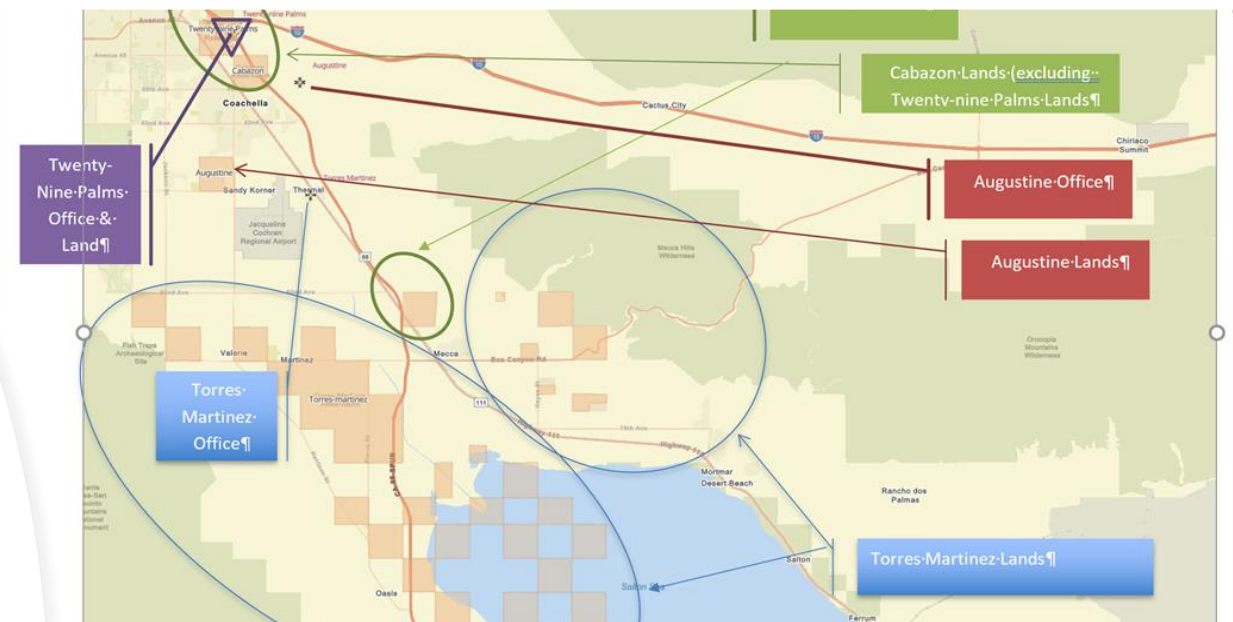
Result: Expanded Community Profile

Oasis

- Large sections of Torres Martinez land. Beside Salton Sea.
- 52% Poverty! 73% Farmworkers!

4 ECV Tribes

- Torres Martinez
- Augustine
- Cabazon
- Twenty-Nine Palms



Farmworkers' Dilemma: Affordable Housing, but Undrinkable Water



A sprawl of mobile home parks house 10,000 people in Southern California's Coachella Valley, but their drinking water is chronically contaminated. Now some solutions are in sight.

Result: Expanded Community Profile

Mecca

- Soil recycling facility. Solid waste landfill
- 39% Poverty! 39% Farmworkers!

North Shore

- State Recreational areas.
- 29% Poverty. 28% Farmworkers



The North Shore Beach and Yacht Club in 2018



Mecca Remediation Facility 2019