CSC ORIENTATION

- Welcome Letter
- Expectations of CSC Members
  - CSC Charter
- Meeting Schedule / Timeline
- Community Boundary Map
WELCOME LETTER & EXPECTATIONS

Expectations of CSC Members

- Community Network
- Communicate & Outreach
- Attendance & Participation
- Appropriate Representation
- Respect

Welcome
## AB 617 – 2020 COMMUNITY STEERING COMMITTEE
### TENTATIVE SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>January 22, 2020</td>
<td>Community Kick-off Meeting</td>
<td>Coachella Library Conf Rooms 1500 Sixth St., Coachella, CA</td>
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<tr>
<td>June 25, 2020</td>
<td>Community Steering Committee Meeting</td>
<td>Location: TBD</td>
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<td>February 20, 2020</td>
<td>Community Steering Committee Meeting</td>
<td>Coachella Library Conf Rooms 1500 Sixth St., Coachella, CA</td>
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<td>September, 24 2020</td>
<td>Community Steering Committee Meeting</td>
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<tr>
<td>March 19, 2020</td>
<td>Monitoring Workshop CSC Meeting</td>
<td>Coachella Library Conf Rooms 1500 Sixth St., Coachella, CA</td>
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<tr>
<td>October 22, 2020</td>
<td>Community Steering Committee Meeting</td>
<td>Location: TBD</td>
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<tr>
<td>April 23, 2020</td>
<td>Community Steering Committee Meeting</td>
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Next Steps for ECV CERP

- **Beginning 2020**: Kick-off Meeting & Form CSC
- **Spring 2020**: Identify Air Quality Priorities, Strategies, and Emissions Baseline
- **Summer 2020**: Draft CERP Review
- **December 2020**: Consideration for Adoption by South Coast AQMD Board
CSC involvement and input is critical for successful CERP and CAMP implementation

Thank you for your continued commitment!
The boundaries include Coachella, Indio, Mecca, North Shore, Oasis and Thermal.
Purpose: to guide where AB 617 resources will be focused in this community

- Air measurements
- Incentives (e.g., funding for cleaner trucks)
- Emissions reductions

Goals

- Identify the main impacted area*
- Identify the emissions study area** *(Includes both the impacted area and nearby air pollution sources)*

* Neighborhoods outside the “impacted area” will benefit from reducing air pollution emissions near the boundary

** South Coast AQMD rules, enforcement, and other programs apply to all facilities in our region
AIR QUALITY PRIORITIES

EASTERN COACHELLA VALLEY CSC MEETING #1
FEBRUARY 20, 2020

Pedro Piqueras, Ph.D.
Air Quality Specialist
OVERVIEW OF CERP PROCESS

Launch

• Establish community steering committee (CSC)

Development

• CSC identifies air quality priorities

Implementation

• Conduct regular CSC meetings and workshops to develop:
  – Emission reduction goals and targets
  – Identify actions and strategies to achieve goals and targets

• CERP is adopted by South Coast AQMD Governing Board and approved by CARB Board

• Begin implementing CERP actions to reduce emissions
SOURCES OF AIR POLLUTION IN ECV

Top 5 Sources of Diesel Particulate Matter (DPM)

- A toxic air pollutant that comes from diesel engines

1. Heavy heavy-duty diesel trucks
2. Trains
3. Off-road equipment (e.g., construction equipment)
4. Farm equipment (e.g., cultivators, harrows, tree shakers, tractors)
5. Medium heavy-duty diesel trucks
Top 5 Sources of Volatile Organic Compounds (VOCs)

1. Consumer products (e.g., deodorants, hairspray, spray paints)
2. Light-duty vehicles (e.g., passenger cars, pick-up trucks)
3. Off-road equipment (e.g., construction equipment)
4. Pesticides/fertilizers
5. Coatings and related processes

A group of gases that can contribute to forming smog
Examples: acetone, benzene, formaldehyde
SOURCES OF AIR POLLUTION IN ECV

Top 5 Sources of Fine Particulate Matter (PM2.5)

- Fine particles that can be breathed deep into the lungs and cause health problems

1. Construction and demolition
2. Road dust (*paved and unpaved roads*)
3. Fugitive windblown dust
4. Farming operations
   - (e.g., tilling, shaking)
5. Light-duty vehicles
   - (e.g., tire and brake wear)
SOURCES OF AIR POLLUTION IN ECV

Top 5 Sources of Coarse Particulate Matter (PM10)

- Slightly larger particles that can be breathed into the lungs and cause health problems

1. Construction and demolition
2. Road dust (paved and unpaved roads)
3. Fugitive windblown dust
4. Farming operations (e.g., tilling, shaking)
5. Light-duty vehicles (e.g., tire and brake wear)
These are only examples of the types of air quality priorities that can be included in the CERP. The priorities will be based on community input.
AIR QUALITY PRIORITY EXAMPLES* (CONTINUED)

Reduce exposure at:

- Schools
- Residential areas
- Places sensitive populations spend time (e.g., senior centers, community centers)

Address concerns about:

- Green spaces
- Land use

These are only examples of the types of air quality priorities that can be included in the CERP. The priorities will be based on community input.
PAST AND EXISTING AIR MONITORING TO ADDRESS TOP SOURCES OF POLLUTION IN ECV

- **Air Toxics**
  - DPM and VOCs
  - Multiple Air Toxics Exposure Study MATES III (Microscale)

- **Dust**
  - PM$_{10}$
  - Fixed Air Monitoring Stations

- **Biomass Burning**
  - PM$_{2.5}$
  - Agricultural and Prescribed Burns
  - Responses to Fires

- **Odors**
  - H$_2$S
  - Fixed Air Monitoring Stations
<table>
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<tr>
<th>Air Toxics</th>
<th>Dust and Odors</th>
<th>Biomass Burning</th>
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| • MATES III (Microscale; 2005) | • Air monitoring stations in ECV  
  • Indio  
  • Mecca (Saul Martinez Elementary School)  
  • Tribal Air Monitoring Station (Salton Sea North Shore) with assistance from the Imperial Irrigation District | • Air monitoring for special circumstances – Frost Prevention Burning |
Purpose: to determine if some of the target communities show higher levels of air toxics (DPM and VOCs) compared with those of the fixed sites

- A comprehensive list of air toxic pollutants were measured at Indio Air Monitoring Station (February 2005 to June 2005)
- Levels were compared with one of MATES III fixed stations in Rubidoux
- All air toxics levels were similar or lower than those in Rubidoux, with the exception of Manganese
  - Manganese may reflect contributions from geologic sources and its levels are generally higher in the eastern potion of the District

http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iii
CURRENT SOUTH COAST AQMD FIXED AIR MONITORING IN ECV

**Indio**
- Ozone
- Fine Particulate Matter (PM$_{2.5}$)
- Coarse Particulate Matter (PM$_{10}$)
- Wind

**Mecca**
- Coarse Particulate Matter (PM$_{10}$)
- Hydrogen Sulfide (H$_2$S)
- Wind

**Tribal**
- Hydrogen Sulfide (H$_2$S)

- South Coast AQMD Air Monitoring Station
- Imperial Irrigation District Air Monitoring Station
- Proposed ECV Community Boundary
ADDITIONAL AIR MONITORING

Fugitive Dust

- Measured PM$_{10}$ at Desert Mirage High School to address concerns about fugitive dust (2007)

Smoke

- Measured PM$_{2.5}$ at Oasis Elementary School in response to concerns about smoke from agricultural frost prevention burning (2012 – 2013)
- Measured PM$_{2.5}$ at Desert Mirage High School in response to fires in Mecca area (2015, 2017, 2019)

Odors

- Measured H$_2$S at College of the Desert, Mecca Elementary School, Saul Martinez Elementary School, and South Coast AQMD Indio Air Monitoring Station in response to odors (2010)
- Mecca Community Monitoring Station established in February 2011
Goal: Develop a Community Air Monitoring Plan (CAMP) and appropriate monitoring strategies based on selected air quality priorities

Purpose: CAMP to support Community Emission Reduction Plan (CERP) development and implementation

Learn more about our air monitoring capabilities and resources in the Community Air Monitoring Workshop at the next CSC Meeting in March.
### ADDITIONAL EXAMPLES TO ADDRESS AIR QUALITY PRIORITIES

#### Truck Traffic

**Action 1:** Reduce emissions from truck idling
- Provide focused enforcement for idling trucks in the community
- Provide outreach on how to file a complaint for illegal truck idling
- Install “No idling” signage

**Action 2:** Reduce emissions from heavy-duty trucks
- Continue developing regulations to reduce emissions from trucks (CARB and South Coast AQMD)
- Identify incentive opportunities for cleaner trucks
- Work with local cities and county to establish designated truck routes

#### Schools

**Action 1:** Reduce exposure to harmful air pollutants through public outreach to schools
- Provide air quality programs to schools
- Provide outreach to schools for asthma programs

**Action 2:** Reduce exposure to harmful pollutants at schools
- Install air filtration systems at schools prioritized by the CSC

*These are examples of potential actions to address these air quality priorities*
What is the purpose this activity?

- To identify air quality priorities for ECV

How will this information be used?

- To help the CSC develop ways to reduce air pollution and exposure to air pollution in ECV

CSC Activity

- Join a table with new faces for discussion
- Discuss the group’s top 3 air quality priorities
- Select a speaker to share the group’s top 3 air quality priorities with the entire CSC

Please take turns listening to everyone’s input.
THANK YOU!

AB 617 web page:
www.aqmd.gov/ab617

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