

CERP/CAMP DEVELOPMENT

EASTERN COACHELLA VALLEY (ECV) CSC MEETING #7
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CERP/CAMP – DEVELOPMENT PROCESS 2020-2021

Launch
(Jan. to Sept.
2020)

- Established CSC and community boundary
- CSC developed charter
- CSC identified Air Quality (AQ) Priorities

CERP/CAMP
Development
(Oct. to Nov.
2020)

- CSC determines AQ priorities in the plan
- CSC develops goals, metrics, and emission reduction targets AQ Priorities
- CSC reviews and comments on discussion draft plan
- Staff presents draft plan to Stationary Source Committee

CERP/CAMP
Adoption and
Approval
(Dec. 2020)

- South Coast AQMD Governing Board considers adoption of the plan with all six (6) AQ priorities

CERP/CAMP
Implementation
(Beginning Jan. 2021)

- Staff begins plan implementation
- Staff recommends adoption of additional actions to the board, if needed (Summer 2021)
- Staff provides an annual progress report to South Coast AQMD Governing Board in Fall 2021

OVERVIEW OF DRAFT CERP

| AQ Priorities | Addressed in the Draft CERP? | Actions in the Draft CERP? | Examples of Actions |
|-------------------------------------|------------------------------|----------------------------|--|
| Salton Sea | ✓ | ✓ | Expand South Coast AQMD's hydrogen sulfide (H ₂ S) monitoring network in ECV |
| Pesticides | ✓ | ✓ | Pursue a collaborative partnership with DPR and the Riverside County Agricultural Commissioner to develop a pilot project in ECV for a pesticide application notification system |
| Fugitive Road Dust | ✓ | ✓ | Conduct outreach to off-road equipment operators on Rules 403 and 403.1, and practices to reduce fugitive dust from roads |
| Open Burning and Illegal Dumping | ✓ | ✓ | Pursue funding opportunities to install air filtration systems at schools, and homes located near frequent burn sites |
| Trucks | ✓ | ✓ | Work with the CSC to identify opportunities to replace older, higher polluting on-road (e.g., trucks) and off-road equipment with cleaner technology |
| Greenleaf Power Plant – Desert View | ✓ | ✓ | Work with the CSC to identify potential strategies to reduce emissions from the facility |



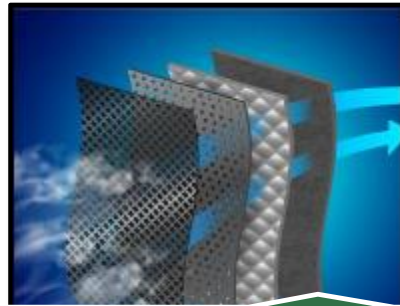
CERP FRAMEWORK

CERP/CAMP ACTIONS

Examples of CERP Goals



Reduce emissions from sources of air pollution



Reduce exposures to sources of air pollution



Gather data/information (e.g., monitoring, sampling, etc.)

Types of CERP Strategies



ELEMENTS OF CERP/CAMP ACTIONS

Description of goals, actions, metrics, and timeline

Goal: Purpose of the Action

Action

A. Policies developed by the CSC for emissions and exposure reduction or for gathering additional data (e.g., monitoring network)

Metric

Quantifiable measure used to track and assess the status of an action (e.g., # paving projects, # of outreach events)

Timeline

Year and/or quarter to begin each action

Example

Goal: Reduce emissions from fugitive road dust

Action

A. Work with community members to identify paving projects in the community

Metric

Number of paving projects per year

Timeline

Begin 1st quarter 2021

POTENTIAL ACTIONS TO ADDRESS THE SALTON SEA

Goal: Expand Monitoring Networks and Improve Notification Systems

1. Expand the existing South Coast AQMD's hydrogen sulfide (H₂S) monitoring network in ECV to:
 - a. Provide real-time H₂S data and inform the community members about the odors they smell and where they come from, including a notification system for when ambient levels exceed the State standard
 - b. Determine community impact and extent to which the odors may transport in the community and beyond
2. Identify opportunities to expand the current South Coast AQMD's PM₁₀ monitoring network in the ECV to:
 - a. Provide real-time PM₁₀ and wind data and inform community members of PM₁₀ levels in ECV, where they come from, and if they exceed Federal and/or State standards
 - b. Gain a better understanding of dust emissions and distinguish between windblown dust from desert areas and playa dust emissions from the Salton Sea
 - c. Track the emission reduction progress and success of dust suppression projects
3. Establish baseline air monitoring to:
 - a. Characterize the chemical composition of fugitive dust emissions from different sources to help distinguish between windblown dust from desert areas and playa dust emissions from the Salton Sea
 - b. Track the progress of emission reduction strategies
4. Seek new opportunities and work with the CSC to expand low-cost sensor deployment in ECV to:
 - a. Provide real-time PM₁₀ data
 - b. Supplement the PM₁₀ monitoring network in the ECV and cover a larger area in the community
 - c. Co-locate low-cost sensors at monitoring stations with reference PM₁₀ monitors and develop a systematic data calibration and correction protocol to enhance low-cost sensor PM₁₀ data quality
5. Pursue a collaborative partnership with other entities (e.g., University of California – Riverside) to support the ongoing study on soil chemical and microbiome composition of the Salton Sea playa dust samples

POTENTIAL ACTIONS TO ADDRESS THE SALTON SEA

Goal: Reduce Emissions from the Salton Sea

1. Provide additional air quality expertise to the State for the implementation of the Salton Sea Management Program
2. Work with other agencies (e.g., Imperial Irrigation District (IID) and the State of California) to collect emissivity and dust emissions data to improve South Coast AQMD's emissions inventory
3. Pursue a collaborative partnership and support IID and the State of California with implementing dust suppression projects around the Salton Sea by:
 - a. Helping to identify locations for future dust suppression projects in the ECV community; and
 - b. Providing letters of support for additional funding to help expedite dust suppression projects near population centers (e.g., North Shore) in the Riverside County portion of the Salton Sea
4. Pursue a collaborative partnership with Imperial County Air Pollution Control District to address cross-jurisdictional air pollution emissions from the Sea, and dust suppression projects around the Salton Sea
5. Conduct outreach on South Coast AQMD's Rule 403, Rule 403.I and conservation practices to project implementation contractors to reduce dust while dust suppression projects are being implemented
6. Conduct outreach to community members on how to file dust complaints

POTENTIAL ACTIONS TO ADDRESS THE SALTON SEA

Goal: Reduce Exposure from the Salton Sea

1. Install air filtration systems at schools and homes located near the Salton Sea to reduce odors and exposure to dust emissions
2. Identify funding to implement home weatherization projects near the Salton Sea
3. Conduct outreach in the community to inform community members on how to subscribe for alerts and how to use the South Coast AQMD app to obtain air quality information
4. Pursue a collaborative partnership with community organizations to conduct outreach in the community to inform community members what to do when H₂S levels surpass the California Ambient Air Quality Standard (0.03 ppm)

POTENTIAL ACTIONS TO ADDRESS PESTICIDES

Goal: Establish a Monitoring Network for Pesticides

- I. Pursue collaborative partnerships with California Department of Pesticides Regulation (DPR), California Air Resources Board (CARB) and Riverside County Agricultural Commissioner to consider developing an air monitoring concept and work with California Office of Environmental Health Hazard Assessment (OEHHA) to make pesticide and toxicity data more accessible
 - a. Work with DPR to define the air monitoring purpose and develop a detailed plan that identifies the sampling equipment that will be used and where the sampling will take place
 - b. Determine if a pesticide is present and at what levels to help determine the community impact
 - c. Assess the monitoring data and if monitoring finds unacceptable pesticide levels in ambient air, work with DPR and Riverside County Agricultural Commissioner to take steps to identify potential exposure reduction measures, or to develop new use restrictions administered by the Riverside County Agricultural Commissioner, or pesticide regulations

POTENTIAL ACTIONS TO ADDRESS PESTICIDES

Goal: Reduce Emissions and/or Exposures from Pesticides

1. Pursue a collaborative partnership with the DPR, the Riverside County Agricultural Commissioner, and CARB to:
 - a. Gather data about the frequency, volume, and toxicity of pesticides applied to agricultural crops in the ECV community
 - b. Conduct air monitoring to identify potential local air quality impacts from the use of pesticides (see air monitoring details on previous slide)
 - c. Evaluate community impacts from pesticide use in ECV
 - d. Evaluate opportunities to reduce pesticide emissions and/or exposures (e.g., best management practices, alternative pest management approaches, modified application methods, focused enforcement and additional regulatory measures)
 - e. Make pesticide use data more easily accessible for community members, including farm workers
2. Pursue a collaborative partnership with DPR and the Riverside County Agricultural Commissioner to:
 - a. Develop a pilot project in ECV for a pesticide application notification system
 - b. Provide community members with information (e.g., material safety data sheet) relating to pesticide types and usage and ways to report pesticide drift
3. Pursue a collaborative partnership with DPR and Occupational Safety and Health Administration (OSHA) to consider providing training, information on personal protective equipment and ways to reduce worker exposure during pesticide application

POTENTIAL ACTIONS TO ADDRESS FUGITIVE ROAD DUST

Goal: Expand Monitoring Networks and Data Accessibility

1. Identify opportunities to expand the current South Coast AQMD's PM10 monitoring network in the ECV to:
 - a. Provide real-time PM10 and wind data and inform community members of PM10 levels in the ECV, and if they exceed Federal and/or State standards
 - b. Track the progress of emission reduction strategies
2. Seek new opportunities and work with the CSC to expand low-cost sensor deployments to:
 - a. Provide real-time PM10 data
 - b. Supplement the PM10 monitoring network in the ECV and cover a larger area in the community, prioritizing areas where the public spends a significant amount of time (e.g. schools and residential areas) and areas close to sources of fugitive dust
 - c. Co-locate low-cost sensors at monitoring stations with reference PM10 monitors and develop a systematic data calibration and correction protocol to enhance low-cost sensor PM10 data quality

POTENTIAL ACTIONS TO ADDRESS FUGITIVE ROAD DUST

Goal: Reduce Emissions From Fugitive Road Dust

1. Pursue a collaborative partnership with the Cities within ECV and the County of Riverside to:
 - a. Restrict unnecessary public access to unpaved roads (e.g., installing signs and physical barriers);
 - b. Reduce speed limits on unpaved roads;
 - c. Identify funding to plant natural vegetation on unpaved surfaces no longer being used;
 - d. Treat unpaved roads with chemical stabilizers to stabilize loose road surface;
 - e. Improve dust removal from paved roadways (e.g., street sweeping); and
 - f. Identify funding to expand street sweeping services beyond existing levels
2. Pursue a collaborative partnership with homeowners' associations and the County of Riverside to pave unpaved roads and parks
3. Pursue a collaborative partnership with Comité Civico del Valle to obtain complaint data from their IVAN's community-based reporting system to address road dust- related air quality concerns within the ECV community
4. Conduct outreach to off-road equipment operators on Rule 403 and Rule 403.I, and practices to reduce fugitive dust from roads
5. Conduct outreach to the general public on how to file dust complaints

POTENTIAL ACTIONS TO ADDRESS FUGITIVE ROAD DUST

Goal: Reduce Exposures to Fugitive Road Dust

1. Conduct community outreach on subscribing to air quality alerts using the South Coast AQMD app to check air quality information (e.g., high wind advisories, air quality index, and air quality forecasts)
2. Install air filtration systems at schools, community centers, and homes to reduce exposure to dust emissions
3. Identify funding to implement home weatherization projects

POTENTIAL ACTIONS TO ADDRESS OPEN BURNING AND ILLEGAL DUMPING

Goal: Improve Monitoring Network and Data Accessibility

- I. Deploy low-cost sensors to establish a monitoring network to:
 - a. gain a better understanding of the locations, frequency, and magnitude of smoke impacts from legal and illegal burning occurring in the community
 - b. identify pollution hotspots and gather more information to identify potential source(s) of emissions
 - c. improve public information on PM2.5 levels in the community (e.g., better characterize the spatial and temporal variability of PM2.5 in the community)
 - d. identify illegal burning, and conduct follow-up investigations, as needed

POTENTIAL ACTIONS TO ADDRESS OPEN BURNING AND ILLEGAL DUMPING

Goal: Reduce Emissions From Open Burning

1. Pursue emission reductions from open burning by:
 - a. Developing a list of available technologies, best practices and alternatives to be distributed to farm owners and operators
 - b. Assessing the feasibility of new requirements for open burning (e.g., alternatives to open burning of agricultural waste) based on the list
2. Continue existing and pursue additional collaborative partnerships with:
 - a. local tribes to identify opportunities to reduce open burning through outreach, enforcement, and/or open burning regulations
 - b. Riverside County Fire Department to conduct focused enforcement at illegal burn sites
 - c. Combustible Material Task Force to support green waste complaint-reporting and follow-up investigations
3. Pursue funding opportunities for equipment to be used as an alternative to:
 - a. agricultural burning (e.g., chippers, grinders, digesters, air curtain destructors, etc.)
 - b. emergency burning for freeze-prevention (e.g., fan systems)
4. Conduct outreach to farm owners/operators/workers to encourage best burn practices/methods to reduce emissions (e.g., conservation burning, cleaner piles, no rolling, cleaner ignition device)
5. Provide community members and farm owners/operators/workers information (e.g., workshops/presentations) relating to rules and regulations on open burning and ways to report burning

POTENTIAL ACTIONS TO ADDRESS OPEN BURNING AND ILLEGAL DUMPING

Goal: Reduce Exposure to Open Burning

1. Pursue collaborative partnerships with:
 - a. Riverside County Fire Department to develop informational materials relating to open burning, fire safety, and air pollution
 - b. Community organizations to distribute informational materials relating to open burning, fire safety, and air pollution in the community (e.g., Growing Coachella Valley, Alianza, Leadership Counsel, Communities for a New California)
2. Pursue opportunities to develop an online system (e.g., notification system, database) that informs the community when South Coast AQMD permitted burning is expected to occur
3. Pursue funding opportunities to install air filtration systems at schools, and homes located near frequent burn sites

Goal: Reduce Illegal Dumping

1. Pursue collaborative partnerships with:
 - a. Riverside County Code Enforcement to conduct focused enforcement of illegal dumping laws and improve reporting system
 - b. Riverside County Fire Department to notify them of potential fire hazards resulting from illegal dumping
 - c. Community-based organizations to establish a complaint-report tracking system to better track illegal dumping activities
2. Conduct outreach to community members and farm workers on how to report illegal dumping activities
3. Pursue funding opportunities to provide funding for:
 - a. waste collection services (agricultural and non-agricultural waste that has been dumped illegally)
 - b. non-agricultural waste disposal (e.g., tire disposal)

POTENTIAL ACTIONS TO ADDRESS TRUCKS

Goal: Reduce Emissions from Trucks

- I. Work with the CSC to:
 - a. Identify air quality concerns related to trucks, quantify emissions from trucks (e.g., baseline, projected), and provide informational workshop on trucks (e.g., summary of regulations and compliance information)
 - b. Develop strategies to reduce emissions from trucks (e.g., collaborate with CARB to identify opportunities for focused enforcement, incentives, and additional regulatory measures, if needed)
 - c. Identify opportunities to replace older, higher polluting on-road (e.g., trucks) and off-road equipment with cleaner technology



POTENTIAL ACTIONS TO ADDRESS GREENLEAF POWER PLANT



Goal: Reduce Emissions from Greenleaf Power Plant

- I. Work with the CSC to:
 - a. Identify air quality concerns related to Greenleaf Power Plant
 - b. Pursue facility information (e.g., emissions, compliance history, applicable rules/regulations), and
 - c. Identify potential strategies to reduce emissions from the facility

DISCUSSION

Comments and/or feedback?

NEXT STEPS

- Finalize strategies and actions for CERP/CAMP
- Provide discussion draft CERP to CSC for review and comment
- Stationary Source Committee Meeting (November 20, 2020)
 - Opportunity for public comment
 - Incorporate feedback from Stationary Source Committee Meeting
- Governing Board Meeting (December 4, 2020)