

South Central Fresno Community Emissions Reduction Program (CERP) Development

September 4, 2019

San Joaquin Valley Air Pollution Control District

Steering Committee Effort in Developing Community Emission Reduction Program

- Huge thanks to Steering Committee and other community members for hard work and involvement to date
- Community Emission Reduction Program (CERP) comprised of wide-ranging measures developed with your input
- Significant community investment through regulatory, incentive-based, enforcement, workforce development, education, and other measures
- Reduces over 300 tons of PM_{2.5}, 2000 tons of NO_x, and associated air toxics over project lifetimes

CERP Provides Framework for Ongoing Community-Driven Implementation

- CERP developed as a roadmap for emissions reductions and exposure reduction in the South Central Fresno community
- Implementation of CERP measures will be adjusted as necessary in response to community needs
- Steering Committee input will be essential in guiding ongoing implementation efforts by District, CARB, other agencies, and community partners
 - Steering Committee meetings will be ongoing after CERP is adopted

CERP Development: Required Elements

- CARB guidance requires that Community Emission Reduction Programs include the following elements:
 - Community description
 - Community partnerships established and public engagement efforts undertaken
 - Air pollution challenges facing the community
 - Measures to reduce emissions and exposure to air pollution
 - Implementation schedule for measures undertaken
 - An enforcement plan to ensure effective emissions reductions
 - Metrics to track progress over time

Community-Focused Clean Air Strategies

- Community Emission Reduction Programs include wide variety of clean air measures designed through cooperative community-driven process
- Incentive-based Strategies
 - New/enhanced opportunities to promote effective clean air technologies/practices
- Regulatory Strategies
 - Requires public process, extensive existing stationary and mobile source regulations
- Outreach & Engagement Strategies
 - Public education about actions residents and businesses can take to further reduce air pollution and associated health benefits
- Partnerships with Other Agencies
 - CARB, City, County, Department of Pesticide Regulation, etc.
- Exposure Reduction Strategies (air filtration systems for schools, home weatherization, vegetative barriers, etc.)

Heavy Duty Mobile Sources

- Incentive measures to replace heavy-duty trucks, locomotives, yard trucks, and truck refrigeration units with clean-engine technologies
- Support for alternative fuel fueling stations
- Charging infrastructure to reduce HD idling
- Enhanced enforcement of Statewide anti-idling regulation
- Funding for electric school buses, and transit buses
- Interest from community in rerouting heavy-duty trucks-partnership with City, County to address these concerns
- Statewide measures will also achieve reductions



Passenger Cars

- Host Tune-In Tune-Up Events within Community
- Enhanced Access/Outreach to Incentives through Drive Clean
- Car Share Program & Ride Share Program
- Incentives for EV Infrastructure
- Increased Educational Training for EV Mechanics
- Statewide measures will also achieve community-specific reductions



Agricultural Sources

- CERP includes specific measures due to Committee concerns
 - Alternatives to Agricultural Burning (chipping/soil incorporation)
 - Pesticide Measures (CARB and DPR)
- In addition to CERP, Valley-wide programs to reduce emissions from agricultural operations ongoing
 - Regulatory requirements
 - Incentive programs



Industrial Sources

- Measures to reduce emissions from biomass facilities, glass manufacturing, and chrome plating operations
- Expedited review of District rules to ensure they meet or exceed BARCT with schedule adopted by District Governing Board in December, 2018
- Additional regulatory amendments included in recently adopted 2018 PM2.5 Plan
- Incentive funding to install advanced control technologies, beyond regulatory requirements (e.g. BACT, BARCT), at stationary sources that would not otherwise be feasible (metal fabrication, auto body coating, small businesses, etc.)
- Enhanced enforcement measures for facilities found to be in noncompliance of air quality regulations
- Facility Risk Reduction Audits under AB 2588 (Air Toxics “Hot Spots” Program)
- Training for gasoline dispensing facility operators on self-inspections
- In addition to CERP, Valley-wide regulatory strategies will continue to reduce emissions from industrial operations

Residential/Urban Sources

- Enhanced enforcement of District Reg. VIII requirements to reduce dust from construction/earthmoving activities and open areas
- Increased enforcement of residential wood burning curtailments
- Increased outreach and access to incentives for replacing wood burning devices with natural gas or electric devices
- Incentives for residential and commercial lawn and garden equipment
- Targeted outreach and incentives to control commercial underfired charbroiling emissions
- Education/outreach to reduce illegal trash burning and promote alternatives



Reducing Exposure for Sensitive Receptors

- Pilot Program to install advanced air filtration systems at community schools, with potential for future program expansion
- Indoor air quality improvement measures
- Urban greening
- Partnerships to install vegetative barriers at pollution sources of concern
- Anti-idling measures near schools, medical centers, residences
- Increased enrollment in HAL Schools program



Collaborating to Enhance Community Participation in Land Use Processes

- Community interest in land use-focused strategies has led to number of specific measures
 - CEQA assistance, enhanced public participation, promotion of active transportation measures, truck rerouting study
- District will assist in facilitating further discussions with the community and land use agencies (City/County) to identify additional opportunities to address community concerns and questions regarding land-use and air quality
- Some areas of future discussion may include, but are not limited to:
 - Ensuring more comprehensive opportunities for public input
 - Providing additional public access and education regarding permitting
 - Better communicating/understanding air quality impacts and mitigation

Outreach & Partnerships with Other Agencies

- Targeted outreach to educate community residents about the availability of funding, RAAN, regulatory requirements
- Continued advocacy to bring state funding to AB 617-selected communities
- Other agencies critical partners to address community concerns and suggestions
 - City, County, transportation planning organizations, EOC, CARB, DPR, OEHHA, SGC, PUC, and others



Next Steps: CERP Development

Date	Details
Wednesday, September 4	CSC Meeting (review updated CERP, prep for Governing Board meeting)
Friday, September 6	Final Comments due to be incorporated into Final Proposed CERP
September 13	Final Proposed CERP Published (1-week prior to Governing Board meeting)
Thursday, September 19	District Governing Board meeting to adopt proposed CERPs
October/November	CARB Staff to co-host CSC meeting
February	CARB Governing Board meeting in Shafter to adopt Shafter & SC Fresno CERPs
Ongoing	CSC meetings to review and discuss CERP implementation

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