

**City of Shafter
Community Emissions Reduction Program
(CERP)
Development**

September 9, 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 through cooperative community-driven process
- Significant community investment through regulatory, incentive-based, enforcement, workforce development, education, and other measures
- Reduces over 265 tons of PM_{2.5}, 1,700 tons of NO_x, and associated air toxics over project lifetimes

Presenting Proposed CERP for Committee Input and Support

- Last meeting before Governing Board consideration of CERP
- Tonight's Goal: Present final draft CERP and seek Steering Committee input and support on clean air measures for Shafter Community
- Steering Committee perspective important for Governing Board's upcoming consideration of CERP

Submitted CERP Comments from Steering Committee Members

Tom Frantz
tom.frantz49@gmail.com

Gustavo Aguirre
gustavo.aguirre@gmail.com

March 20, 2019

San Joaquin Valley Air Pollution Control District
AB617@valleyair.org
[CommunityAction](http://www.valleyair.org/CommunityAction)

Re: AB 617

As AB 617 CERP is a better investment discussion. The information response from Resources Board

The Air District boundary and emissions program should be prepared before a detailed specific questions

Proposed CERP for Shafter

Introduction: Combustion is the enemy of clean air in the Shafter area. The biggest sources of combustion are mobile sources, both on and off road, heating of buildings, and stationary engines. Conversion of these combustion sources to electricity solves two problems at once. It reduces local air pollution burdens and it transitions the City of Shafter to the future where greenhouse gas should be 100% come from conventional sources. Shafter will not be able to implement programs are in place. Strategies include: Shafter and the 7 needed to monitor

1. 100 electric cars are at least 2,000 income residents similar to the basic vehicle charging the vehicle may be for charging, insurance current trade-in program would not
2. 250 low-income program would provide current sources of pump installed for
3. The Community residents subscription cooling, an electric

AB 617

Signed: CSC Members= Dora Hernandez (Mexican Colony), Maria Marquez, Felipa Trujillo, Socorro Guzman, Angelica Lopez, Antonio Lopez, Fermin Vargas, Esperanza Castelan, Christopher Marquez, (Shafter Residents), Byanka Santoyo, Tom Frantz, Gustavo Aguirre Jr.

Strategy #	
1.	
2.	
3.	

Shafter, CA : Proposed CERP Strategies

Shafter AB 617 CERP Comments by Committee Members not aligned with Environmental Justice Groups August 2, 2019

Air quality is extremely important to the health, wellbeing and economy of the residents of Shafter. The Shafter AB 617 Committee has been meeting since December 2018. Over the past 7 months we have had 12 meetings and covered a vast array of topics. This legislation has very aggressive time schedules which do not provide the committee enough meaningful data to make responsible recommendations. From the time we started until October 2019 (10 months) the committee is to have established an air monitoring program as well as a responsible Community Emissions Reductions Program (CERP). Actually, the time allowed is shorter as our committee must have our CERP recommendation completed sometime in August in order to meet the scheduling deadlines of the San Joaquin Valley Air Pollution Control District's (district) board noticing requirements. It is difficult to imagine that a responsible CERP can be recommended without any real data available from the monitoring program.

The legislation provides substantial funding to incentivize changes in operations that are otherwise operating within existing laws and regulations and does not enable the AB 617 Committees, Air Districts or CARB to enact new laws or regulations without complying with appropriate public notifications and other processes currently required by law. Although we believe establishing an emissions reduction program without meaningful data is somewhat irresponsible and potentially wasteful of public funds we understand that any changes in operations or behaviors to accomplish the CERP is to be based on the requirements of existing regulations and financial incentives provided through the legislature.

Ab 617 should give the community of Shafter a unique opportunity to improve our quality of life and must be a tool to help build the community we want by improving opportunities and the future for our

Submitted to Air District 8/9/19 by committee members listed below.

Comments from AB617 Steering Committee Community Members on the Air District proposed CERP of 8/5/19.

Document sign-on's:

Dora Hernandez (Mexican Colony),
 Maria Marquez
 Felipa Trujillo
 Socorro Guzman
 Angelica Lopez
 Antonio Lopez
 Fermin Vargas
 Esperanza Castelan
 Christopher Marquez
 Byanka Santoyo
 Tom Frantz,
 Gustavo Aguirre Jr.

Summary of Shafter Steering Committee Derived CERP

We are told AB617 emphasizes a community-driven program to reduce local criteria and toxic air emissions. We are also told that reducing emissions with zero-emission technology, meaning zero criteria air pollutants and zero greenhouse gases, is a priority.

With those two goals in mind, I attended meetings regarding the district on 08/05/2019 and that most of the Committee on 06/04/2019, a full two

A summary of our basic In the City of Shafter, the Maple School, the Myrick's Corner, the personal SUV's are a dead-end sidewalks, and other needs the beginning and need

One group of major project especially where older payment on a new electric residents. Also, without Finally, although simple vehicle are greatly ent

Comments on revised CERP of 8/26/19

We are pleased to see a small movement in the most recent air district proposed CERP towards the CERP proposed in past weeks and months by a majority of the steering committee. Seeing free electric lawnmowers for residents, a couple more electric school buses, \$70,000 extra for electric vehicles and \$1.5 million for solar panels are all positive improvements. But these changes are not near enough to get Shafter residents moving to the future with a just transition to electric homes and vehicles based on locally produced renewable energy which will all provide clear and evident air quality improvements.

First, please explain why the draft CERP has been decreased from 44.7 million to 38.4 million. Second, assuming \$38.4 million is the maximum available we need to see the following changes in the proposed CERP of 8/26/19.

A1 No dairy feed mixers! The dairies are among the biggest polluters in the area but they are installing their own solar panels because they know it will save them money. They can electrify their feed mixers and make money as well. We are also waiting for dairy monitoring to be part of the CAMP. Here we additionally request that \$250,000 dollars be allocated from the 3.9 proposed million to support the development and implementation of the Pesticides Notification System.

\$3.9 million removed from the proposed CERP.

A6 Replacing Ag tractors is already an ongoing program valley-wide for many years. It is impossible to spend \$5 million extra in the 7-mile radius. This amount should be reduced to \$2 million.

\$3 million removed from the proposed CERP.

A.10 For the Pesticides Measure we request that a notification process be built and deployed in Shafter.

Submitted CERP Comments from Local Government and Businesses

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PLANNING AND NATURAL
 RESOURCES DEPARTMENT

Planning
 Community Development
 Administrative Operations

August 19, 2019

File: AB 617 Shafter

San Joaquin Valley APCD
 Attn.: Jessica Olsen
 1990 E. Gettysburg Avenue
 Fresno, CA 93726


RE: Comments – Draft Community Emission Reduction Plan for Shafter – AB 617

Dear Ms. Olsen,

Kern County Planning and Natural Resources Department is reviewing the Draft Community Emission Reduction Plan for Shafter. While the Steering Committee was limited to members they requested, the Steering Committee members they requested center of Shafter, which now includes Supervisors for land use. As such, the community and Steering Committee members are requested to provide comments by the community and Steering Committee members.

LU 3: SETBACKS FOR NEW DEVELOPMENT

The report includes materials and setbacks for 2,500 feet of residents, schools and businesses.



336 Pacific Avenue, Shafter, California 93263

August 23, 2019

Ms. Jaime Holt
 San Joaquin Valley Air Pollution Control District
 1990 E. Gettysburg Ave.
 Fresno, CA 93726

Subject: Comments on the Draft Community Emissions Reduction Plan for Shafter

Dear Ms. Holt

City of Shafter staff members have reviewed the draft Community Emissions Reduction Plan (CERP) for Shafter and offer the following comments for consideration.

1. It would be helpful for the CERP to include a discussion of the regional nature of air quality issues facing the community. As you related at the August 12 Steering Committee meeting when asked how Shafter's air quality compares to air quality in similar small communities, air quality within the San Joaquin Valley generally worsens moving from west to east and from north to south. This response implies there are important geographic components that contribute to Shafter's local air quality and that as a result, local air quality control measures may not result in substantial improvements in local air quality within Shafter. The CERP should acknowledge that a substantial portion of the local air pollutant emissions impacting Shafter come from agricultural and oil production sources, which are largely located outside the city limits.

CRAIG M. POPE, P.E., DIRECTOR
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August 23, 2019

Jessica Olsen, Program Manager
 San Joaquin Valley Air Pollution Control District
 1990 E. Gettysburg Ave.
 Fresno, CA 93716


RE: AB617 Shafter Draft CERP Comments

Dear Ms. Olsen,

Thank you for the opportunity to comment on the Draft CERP for Shafter. Kern County Public Works (KCPW) Steering Committee to collaborate on clean air strategy leadership in addressing environmental justice concerns that affect disadvantaged communities in Kern County.

The Kern region of the San Joaquin Valley has one of the highest concentrations of criteria pollutants and toxic air contaminants in the state. This is a public health and safety by constructing infrastructure that helps the region meet clean air mandates. KCPW identifies opportunities to reduce fugitive dust and roadways, constructing new sidewalks, increasing street lighting, and increasing the number of electric vehicles. Specific strategy comments and recommendations are provided below.

RD. 2 – ROAD DUST: ROAD PAVING AND SIDEWALKS



Christine Luther Zimmerman
 Technical & Regulatory Affairs

August 28, 2019

Mr. Dave Warner
 Deputy Air Pollution Control Officer
 San Joaquin Valley Air Pollution Control District
 1990 East Gettysburg Avenue
 Fresno, CA 93726

Re: AB 617 Shafter Draft Community Emission Reduction Plan (CERP)

Dear Mr. Warner:

Western States Petroleum Association (WSPA) appreciates the collaborative effort between the San Joaquin Valley Air Pollution Control District (SJVAPCD) and the Shafter Community Steering Committee in preparing the Draft Community Emission Reduction Plan (CERP). WSPA is a trade organization whose members are stakeholders and interested parties in the San Joaquin Valley air basin. Considering those interests, WSPA and its members have monitored closely the AB 617 process in the City of Shafter and have reviewed the Draft CERP published on the SJVAPCD website. With members and staff living and working in Shafter and throughout the San Joaquin Valley, WSPA is committed to supporting clean air and quality of life in the valley.

WSPA supports the emission reduction measures presented in the CERP and commends the Steering Committee for its serious consideration and contribution in developing the document. WSPA further supports utilization of incentive-based measures to reduce emissions in Shafter while allowing for its residents to remain gainfully employed in a healthy thriving community.

In instances where the Steering Committee-recommended measures that fall outside the scope and intent of AB 617 and its blueprint, WSPA supports the existing land use and other applicable regulations in place.

Changes to Measures: Community Comments

- Comment letters from Steering Committee and community recommending increased or decreased funding amounts for some measures, or indicated less support for other measures
- Progressive changes to measures and additional new measures presented & discussed at Aug 5, Aug 26 meetings
- Draft “CERP Update” posted on Sept 6
 - Included updates discussed on August 26, as well as the updates we will be reviewing in this presentation
- Final proposed measures presented for review and comment tonight

Increased Funding for Electric Vehicle Incentives (Measure C.2)

- **Suggestions:** Some Committee members commented that incentives for the ‘Incentive Program for the Replacement of Passenger Vehicles with Battery Electric or Plug-in Hybrid Vehicles’ measure should be increased.
- **Proposed Measure Updates:**
 - Increased funding amount for Measure C.2 (Incentive Program for the Replacement of Passenger Vehicles with Battery Electric or Plug-in Hybrid Vehicles) from originally proposed \$725,000 to \$6 million

Increased Funding for EV Charging Infrastructure (Measure C.3)

- **Suggestions:** Some Committee members commented that additional funding should be made available for the installation of Level 2 and Level 3 EV Chargers in and around Shafter.
- **Proposed Measure Update:**
 - Increased funding for Measure C.3 (Incentive Program for Installation of EV Charging Infrastructure) from the originally proposed \$100,000 with a goal of installing 17 chargers, to \$850,000 to fund approximately 78 Level 2 and Level 3 chargers

Electric School Buses (HD.4)

- **Suggestions:** Many Committee members supported this measure, and suggested increasing \$3,200,000 initially proposed funding to increase availability of electric school buses to additional local schools.
- **Proposed Measure Update:**
 - Increased goal to replacing 10 buses in and around Shafter, with targeted outreach to Maple School and Rio Bravo School
 - Increased funding for measure to \$4,000,000

School Filtration Systems (SC.1)

- **Suggestions:** Many Committee members have commented that they would recommend increased funding for this measure.
- **Proposed Measure Update:**
 - Increased funding to support pilot program for local schools to install HVAC filtration systems with a MERV rating of 14 or greater
 - Based on programs in other regions, ~\$25,000 per school
 - Funding proposed to be increased from \$100,000 up to \$250,000 to fund upgrades at all interested schools in community

Solar Deployment in Shafter (SD.1)

- **Suggestions:** Some Committee members have expressed strong interest in directly funding residential solar and electric appliance installations in Shafter.
- **Proposed Measure Update:**
 - State and District funding under this proposal would total \$15 million for residential solar in Shafter, contingent on successful advocacy for state funding
 - District will consider providing \$1.5 million in District funding as 10% match towards new State program (\$15 million total) for community solar deployment
 - Funding proposal would leverage new CARB/PUC/CEC programs to provide incentives for residential solar (DAC-SASH, DAC-GT) and zero/near-zero emission appliances (new BUILD, TECH, and other programs)
 - District will work with Steering Committee and other partners to advocate for new state funding to support proposed measure
 - District to convene community meeting with PG&E and community partners to discuss available resources and potential strategies

Summary of State Solar Programs Available to Shafter Community

- **DAC-Single Family Solar Homes (DAC-SASH)** - Up-front financial incentives for installation of rooftop solar generating systems for income-qualified owners of single family homes in disadvantaged communities
 - Administered by GRID Alternatives with annual budget of \$10 million from 2019 through 2030.
- **Solar on Multifamily Affordable Housing (SOMAH)** - Financial incentives for installing solar energy systems on multifamily housing in dis-advantaged communities
 - \$100 million annually and goal of installing 300 megawatts of generating capacity by 2030
 - Administered by the SOMAH Nonprofit Administrative Partnership (SNAP)
- **DAC-Green Tariff (DAC-GT)** - Program procures 100% renewable energy on behalf of customers while providing a 20 percent discount on their otherwise applicable utility rate. The 20% discount can be applied as a discount to CARE rates
 - Program will begin in 2020 and will be run through the utility company (Pacific Gas and Electric)
- **Community Solar Green Tariff (CSGT)** - Procures 100 percent renewable energy on behalf of customers while providing a 20% rate reductions
 - Must be sited within a top 25 percent DAC and live within 5 miles of the solar project
 - Program is approved to serve up to 41 megawatts of power and serve 6,800 customers

Ag Pump Electrification (A.5)

- **Suggestions:** Committee members have requested that natural gas-powered agricultural pump engines be eligible for incentive funding for electrification, in addition to diesel-powered engines.
- **Proposed Measure Updates:**
 - District staff will expand Measure A.5 (Incentive Program for Replacing Older Diesel Agricultural Irrigation Pump Engines with Electric Motors) to include the electrification of natural gas-powered ag pump engines

Funding for Clean Engine Locomotive Technology (Measures HD.6 and HD.7)

- **Suggestions:** Community members commented that they did not support funding for clean engine technology locomotives, as these sources may operate outside of the Shafter community.
- **Proposed CERP Update:**
 - Removed Funding for Clean Engine Locomotives (HD.6)- Measure deleted from Proposed CERP
 - Kept proposed funding amount of \$4,100,000 for clean-engine technology rail car movers and switchers (HD.7) due to cost-effective localized emission reductions

Heavy Duty Truck Replacement (HD.1)

- **Suggestions:** Some Committee members commented that funding for this measure be reduced from the initially proposed \$6,000,000.
- **Proposed Measure Update:**
 - Funding for heavy duty trucking reduced to \$4,000,000, with a goal of replacing 40 heavy duty trucks that operate in and around the community of Shafter

Zero Emission Yard Trucks/TRUs (HD.2)

- **Suggestions:** Some Committee members suggested reducing from an initially proposed \$4,000,000 to replace 30 units to only incentivize the electrification of two units.
- **Proposed Measure Update:**
 - Funding for this measure will be reduced to \$1,500,000; goal of replacing 10 units that operate in or around Shafter
 - Specific outreach to local operations as suggested by Steering Committee

Dairy Truck Replacement (A.7)

- **Suggestions:** Some Committee members commented that they did not recommend inclusion of the measure to provide incentives for the replacement of dairy trucks with zero or near-zero emission trucks (allocated funding of \$2,000,000).
- **Proposed Measure Updates:**
 - Removed funding for Measure A.7 - Measure deleted from Proposed CERP

Removal of Dairy Digester Measure (A.8)

- **Suggestions:** Some Steering Committee members have expressed lack of support for this measure to work with CDFA in supporting the installation of dairy digesters to reduce air pollutants and methane emissions, and generate renewable natural gas fuel.
- **Proposed Measure Update:**
 - Measure A.8 deleted from Proposed CERP

Commercial Charbroiling (CC.1)

- **Suggestions:** Some Steering Committee members suggested reducing the funding provided for this measure (Initial proposed funding was \$300,000 with goal of 1-2 restaurant control devices installed).
- **Proposed Measure Update:**
 - Measure CC.1 (Commercial Charbroiling) updated based on comments received
 - Goal of 1 restaurant; \$150,000 funding allocation

Removal of Funding for Electric Dairy Feed Mixing Equipment (A.1)

- **Suggestions:** Some Committee members expressed lack of support for the inclusion of funding for the electrification of dairy feed mixing equipment. On August 26, District staff proposed reducing funding for this measure from the initially proposed \$6.5 million to \$3.9 million. Further comments were received recommending that this measure not be included in the CERP.
- **Proposed Measure Update:**
 - Measure A.1 deleted from Proposed CERP and funding reallocated to other community-identified priorities

Increased Funding for Car Share Program (Measure C.5)

- **Suggestions:** On August 26, District staff proposed to increase funding for this measure from \$250,000 to \$300,000. Some Committee members commented to recommend increased funding to further subsidize the cost of EV car share rental.
- **Proposed Measure Update:**
 - Increased funding allocation for Car Share Program from originally proposed \$250,000 to \$500,000 to support the launch of a car share program, and to support reduced ridership costs

Funding Match to Support Urban Greening (Measure UG.1)

- **Suggestions:** Some Committee members recommended inclusion of funding to support urban greening projects, in addition to the proposed measure to work to direct existing State funding to Shafter to support urban greening.
- **Proposed Measure Update:**
 - \$250,000 for urban greening projects, including planting and maintenance (District 20% funding match, up to \$50,000)
 - \$5,000 for study by San Joaquin Green (formerly Tree Fresno) and Tree Foundation of Kern to identify planting locations/irrigation plans
 - District will work directly with Shafter residents, community groups, and other partners to support efforts to obtain currently available state funding (Natural Resources Agency, Caltrans, etc.)

Funding for Bicycle Lanes (New Measure LU.5)

- **Suggestion:** Some Committee members advocated for funding for increased bicycle lanes in Shafter.
- **Proposed CERP Update:**
 - New measure added to CERP (LU.5)
 - Allocation of \$1 million to support City of Shafter efforts to implement bicycle lanes
 - Coordination with City of Shafter and community members to identify locations for bicycle lane installation projects, consistent with City of Shafter General Plan and Bicycle Plan, and inform public about project implementation status

Funding for Road Paving, Sidewalk Installations, Reducing VMTs (RD.2)

- **Suggestions:** Many Committee members commented that increased sidewalk installations, road paving efforts, and other street infrastructure is needed in neighborhoods in and around Shafter.
- **Proposed Measure Update:**
 - Collaboration with Kern County Public Works Department, City of Shafter, and Kern County Planning Department
 - New allocation of \$2,775,000 to leverage additional local, state, and federal funds for the installation of sidewalks, road paving efforts, and other projects that reduce vehicle miles traveled in and around the community

New State Pesticide Commitments (Measure A.10)

- **Suggestions:** Many Committee members expressed support for the implementation of additional pesticide measures.
- **Proposed Measure Update:**
 - DPR released measures to reduce community exposure to pesticides
 - DPR/CARB committed to ongoing/expanded monitoring
 - Notification System Funding: \$250,000 added to CERP
 - District will allocate \$125,000
 - CARB/DPR to commit \$125,000
 - Updates to Steering Committee and community members will be ongoing by CARB and DPR

Additional CERP Measures

LU.1 New Development: Provide assistance during the CEQA process

- Type of Strategy: Land use
- Purpose: To provide assistance during the California Environmental Quality Act (CEQA) process with guidance on how the project may impact air quality in the Valley, and information on how air pollution impacts can be reduced
- Goal: Work with Lead Agencies and project proponents to enhance project designs in the early stages of the planning process for a better overall project with minimized impact on air quality, by early identification of feasible mitigation measures
- Target: Reductions in criteria pollutants and/or Toxic Air Contaminants

LU. 2 Land Use/Sustainable Development: Implement Projects that Reduce VMT

- Type of Strategy: Partnership
- Purpose: To reduce vehicle miles traveled (VMT) in the community through measures that promote active transport and increase the walkability of community neighborhoods.
- Goal: Work with City of Shafter to obtain feedback on opportunities for community members to be involved in land use planning processes. City of Shafter has committed to notify community members about upcoming meetings that address the development of the Environmental Justice element of the City's General Plan.
- Target: To be determined by City of Shafter through public planning process.

LU.3 Setbacks for Oil and Gas Drilling

- Type of Strategy: Land Use, Partnership
- Implementing Agency: City, County
- Purpose: Address suggestion by some Committee members that no new oil wells be drilled within 2,500 feet of residents, schools, and sensitive use locations.
- Goal: Work with the City, County, and DOGGR to communicate this Steering Committee suggestion.
 - City of Shafter responded that Kern County has adopted an ordinance establishing setback requirements based on health risks evaluated in the Environmental Impact Report (EIR) prepared for the County. Mitigation measures are required to avoid potential significant impacts from oil production facilities on sensitive uses. The City of Shafter Zoning Ordinance also establishes setback requirements.
 - City of Shafter has committed to review the EIR and health studies prepared by the County and to consider standards for preparation of health risk assessments to avoid creation of significant impacts from oil production facilities on sensitive uses.
 - Kern County Department of Planning and Natural Resources also responded and referenced technical, peer-reviewed data in EIR for further information about impacts of oil and gas permitting in Kern County: <https://kernplanning.com/planning/kern-county-oil-gas-permitting-3>

LU. 4 Construction Emissions: High Speed Rail Construction

- Type of Strategy: Partnership
- Purpose: To reduce emissions from High Speed Rail (HSR) construction equipment operating within 7-mile radius
- Goal: Work with CARB and California High Speed Rail Authority to communicate community concerns and receive feedback on appropriate processes to address suggestion that HSR construction within the 7-mile radius use Tier 4 engines in all off-road construction equipment
- Target: Reductions in criteria pollutants and/or Toxic Air Contaminants

RD. 1 Road Dust: Evaluate increasing frequency of street sweeping

- Type of Strategy: Partnership
- Purpose: To evaluate air quality impacts and feasibility of increasing frequency of street sweeping along freeways and streets
- Goal: If found to be effective in reducing particulate emissions, partner with other entities (i.e. City of Shafter, Kern County, and California Department of Transportation) to identify opportunities to increase street sweeping efforts in the community

LG.1 Lawn and Garden: Provide Enhanced Incentives for Replacement of Residential Lawn and Garden Equipment

- Type of Strategy: Incentive
- Purpose: To provide increased incentives for the replacement of residential lawn and garden equipment in the community through the District's Clean Green Yard Machines Program
- Goal: Increase outreach and access to incentive funding for 100% of equipment cost, resulting in increased participation in the program to replace 280 gas powered lawn and garden equipment units in the community with zero emission alternatives
- Target: 0.07 tons PM_{2.5}, 0.1 tons NO_x (based on average emission reductions per project)
- Incentives to be invested: \$100,000 to replace 280 units

LG.2 Lawn and Garden: Provide Enhanced Incentives for Replacement of Commercial Lawn and Garden Equipment

- Type of Strategy: Incentive
- Purpose: To provide enhanced outreach and access to incentive program for the replacement of commercial-scale lawn and garden equipment in the community through the District's Clean Green Yard Machines program (available to lawn care providers and public agencies)
- Goal: Increase outreach and access to incentive funding resulting in increased participation in the program to replace 30 commercial grade gas powered lawn equipment units with zero emission alternatives
- Target: Reductions in PM and NOx (quantity of emission reductions to be determined)
- Incentives to be invested: \$40,000 to replace 30 units

PF.1 Public Fleets: Enhance Outreach and Access to Incentive Funding for Public Fleet Vehicles

- Type of Strategy: Incentive
- Purpose: To provide increased outreach and access to incentive funding for the replacement of older, high polluting public fleet vehicles with cleanest available vehicles operating within and surrounding Shafter.
- Goal: Work closely with public agencies, including City of Shafter and Kern County, to replace light-duty vehicles through existing District incentive programs, including the Public Benefit Grants Program.
- Target: Reductions in PM2.5 and/or Toxic Air Contaminants (quantity of reductions dependent on vehicle type and program)
- Incentives to be invested: \$100,000 to replace approximately 5 vehicles (per-vehicle incentives will be dependent on vehicle type and program)

C. 1 Passenger Cars: Host Local Tune-In Tune-Up Events Within Community

- Type of Strategy: Incentive
- Purpose: To host local Tune In Tune Up events with the community to reduce emission from older, high polluting cars
 - Program provides incentives for emission related repairs of high emitting vehicles through weekend Tune In Tune Up events
- Goal: Funding currently available in District Budget for at least one event in community, increase community participation in the program to repair high emitting vehicles, find funding to hold additional events within community boundaries
- Target: 4.6 tons NO_x, 3.1 tons VOCs (based on average emission reductions expected per project)
- Incentives to be invested: \$400,000 for events and 500 vehicle repairs

C.4 Passenger Cars: Increase Educational Training for Electric Vehicle Mechanics

- Type of Strategy: Incentive
- Purpose: To increase educational training for electric vehicle mechanics and to support the deployment of additional electric vehicle repair facilities in the community as feasible
- Goal: Increase participation in electric vehicle mechanics training that would provide services to vehicles operating within the community
- Target: Support emission reductions associated with electric vehicle deployment
- Incentives to be invested: \$30,000 for 2 training sessions

RB.1 Residential Wood Burning: Provide Enhanced Incentives to Replace Wood Burning Devices

- Type of Strategy: Incentive
- Purpose: To provide enhanced financial incentives to replace existing wood burning devices and pellet stoves with natural gas or electric technologies (including electric heat pumps)
- Goal: Increase outreach and access to incentive funding resulting in increased participation in the program to replace up to 200 wood burning devices in the community with either electric or natural gas units (no wood burning device installations will be funded through this program)
- Target: 98 tons PM_{2.5} (based on average emission reductions expected per project)
- Incentives to be invested: \$600,000

RB.2 Residential Wood Burning: Educate Public About Harmful Impacts

- Type of Strategy: Outreach & Education
- Purpose: To educate community residents about the impacts of wood burning and resources available to help transition to natural gas and electric devices
 - Includes information on Check Before You Burn program/Rule 4901
- Goal:
 - Increase in Burn Cleaner applications in Shafter
 - Host 4 public workshops at Shafter branch of Kern County Library/Shafter Learning Center
 - Circulation of infographics in at least 6 community spaces

RB. 3 Wood Burning Fireplaces/Heaters: Enhanced Enforcement of Wood Burning Curtailments

- Type of Strategy: Enforcement
- Purpose: To limit the potential for localized PM_{2.5} impacts associated with the failure to comply with mandatory episodic wood burning curtailments under District Rule 4901
- Goal: District staff will conduct at least four hours of surveillance within the Shafter community on each declared curtailment day for the next 5 winter seasons to enforce the requirements of Rule 4901

RB. 4 Residential Open Burning: Reduce Illegal Activity

- Type of Strategy: Outreach
- Purpose: To reduce illegal burning of residential waste through outreach and education
- Goal:
 - Host 4 workshops at libraries, community centers, health centers, and schools on the health effects/air quality impacts of burning trash
 - Invest in geo-targeted outdoor ads in areas with frequent violations
 - 2 billboards
 - 2 street furniture (bus shelters, kiosks, benches, phone booths, etc.)
 - 1 bus routed through relevant areas (zero-emissions preferred)
 - 2 postcard mailers to county residents in rural areas

RB.5 Residential Open Burning: Enhanced Enforcement to Reduce Illegal Burning of Residential Waste

- Type of Strategy: Enforcement
- Purpose: To limit the potential for localized PM2.5 and toxic impacts associated with illegal open burning of residential waste
- Goal: In addition to the District's existing surveillance and complaint response efforts, District staff will conduct targeted surveillance efforts within the Shafter community and surrounding areas at least once per quarter for the next 5 years

HD.3 Heavy Duty Diesel Trucks: Enhanced Enforcement of the Statewide Anti-Idling Regulation

- Type of Strategy: Enforcement
- Purpose: To limit the potential for localized PM2.5 and toxic air quality impacts associated failure to comply with the state's anti-idling regulation
- Goal: Partner with CARB and the community to identify heavy duty diesel truck idling hot spots, especially those near sensitive receptors such as schools, to target enforcement efforts of the state's regulation within the community. At least 1 targeted anti-idling enforcement sweep will be conducted each quarter for the next 5 years.

HD. 5 Incentive Program for Transit Bus Replacement for Dial-A-Ride

- Type of Strategy: Incentive
- Purpose: To reduce emissions in PM2.5 and Toxic Air Contaminants by supporting the use of zero-emission vehicle technology for public transit.
- Goal: Provide incentives to replace 2 electric vehicles for Dial-a-ride in Shafter, including funding for necessary supporting infrastructure.
- Target: Reductions in PM2.5 and/or Toxic Air Contaminants (quantity of reductions to be determined)
- Incentives to be invested: Up to \$400,000

HD. 8 Support Planning and Development of Clean Fueling Infrastructure

- Type of Strategy: Advocacy/Incentives
- Purpose: To provide support for planning and development of fueling infrastructure for zero and near-zero emission vehicles to support broader deployment of clean vehicles
- Goal: Provide District support to broaden fueling infrastructure network for zero and near-zero-emission vehicles to facilitate broader deployment and prioritize funding through existing District programs to install one alternative fuel fueling station in/near Shafter
- Incentives to be invested:
 - Alternative Fuel Fueling Station: 1 station @ up to \$1,000,000

HD.9 Heavy Duty Truck Rerouting

- Type of Measure: Partnership
- Implementing Agency: City of Shafter, SJVAPCD
- Purpose: Evaluate heavy duty truck trips through AB 617 community in response to Committee suggestions that trucks be rerouted off of Lerdo Highway to other streets to reduce exposure at Golden Oaks Elementary
- Goal: City of Shafter committed to evaluate truck routing as a part of the development of the Environmental Justice Element of the General Plan.

IS.1 Amend District Rule 4311 (Flares)

- Type of Strategy: Regulatory
- Purpose: To amend Rule 4311 to require ultra-low NOx flare emission limitations for existing and new flaring activities to the extent that such controls are technologically achievable and economically feasible
 - District has already initiated rule development process, with rule adoption anticipated in 2020
- Goal: Reduce NOx emissions from flares subject to requirements of amended Rule 4311 in Shafter
- Target: Estimated reduction of 1.5 tons NOx per year (flares do not produce significant PM2.5 emissions)

IS.2 Evaluate feasibility of funding further emissions reductions from oil and gas production operations

- Type of Strategy: Incentive
- Purpose: To evaluate the feasibility of an incentive program for oil and gas production operations to fund installation of technologies that further reduce emissions
- Goal: Work with oil and gas production operations in the Shafter area to identify potential emission reduction opportunities, through examining the feasibility of the following strategies, identifying available grant funding to assist implementation:
 - Electrifying pump jacks that are currently operating with internal combustion engines
 - Other emissions sources identified for committee consideration moving forward
- Target: Reductions in PM 2.5 and combustion air toxics

IS.3 Enhanced Inspection Frequency for Stationary Sources

- Type of Strategy: Enforcement
- Purpose: To limit the potential for air quality impacts associated with the failure to comply with emission standards established by District permit, rule, or regulation
- Goal: District staff will inspect each facility that has had an emission violation over the past 3 years at least twice per calendar year for the next 5 years or until the facility has 4 consecutive inspections without an emission violation, whichever occurs first

IS.4 Pilot Training Program for Conducting Self-Inspections at Gas Stations

- Type of Strategy: Compliance Assistance
- Purpose: To limit the potential for air quality impacts associated with the vapor recovery defects at gasoline dispensing stations
- Goal: Develop a new pilot training program to instruct gas station operators on conducting thorough self-inspections of the vapor recovery systems to aid in the identification and timely repair of vapor recovery system defects. The District will offer to provide the hands on training to each gas station operator in the community.

IS.5 Stationary Sources: Provide Incentives to Install Advanced Control Technology

- Type of Strategy: Outreach, Incentive
- Purpose: To provide incentives for stationary sources within the community to install advanced control technology, beyond existing controls and BACT and BARCT requirements, that would not otherwise be economically feasible to install
 - State currently developing funding guidance for such projects
 - Will identify types of facilities not otherwise identified in CERP, work with willing partners to implement controls
- Goal: Funding availability, and number and type of projects, will be developed, with input of Steering Committee, when state funding guidelines are available for stationary source funding

A.2 Nut Harvesting: Provide Incentives for Low-Dust Technology Nut Harvesters

- Type of Strategy: Incentives
- Purpose: To provide increased outreach and access to incentive funding for the replacement of conventional nut harvesting equipment operating on ag land surrounding Shafter with new, low-dust nut harvesting equipment
- Goal: Replace 25 pieces of conventional nut harvesting equipment with new, low-dust harvesting equipment
- Target: 42.5 tons NO_x, 0.34 tons combustion PM_{2.5}, 90 tons fugitive PM_{2.5} (based on average emission reductions expected per project)
- Incentives to be invested: \$2,500,000

A.3 Agricultural Open Burning: Provide Incentives for Alternatives to Agricultural Burning

- Type of Strategy: Incentive
- Purpose: To limit the potential for localized PM_{2.5} impacts associated with open agricultural burning by providing enhanced access to funding for the District's Alternative to Agricultural Open Burning Incentive Program for growers within Shafter and the surrounding area
- Goal: Fund up to 2,000 acres of alternative practices
- Target: 210 tons PM_{2.5}
- Incentives to be invested: \$1,000,000

A.4 On-Field Agricultural Practices: Promote Implementation of Conservation Tillage Practices

- Type of Strategy: Outreach and Education
- Purpose: To further reduce the potential for localized fugitive particulate matter (PM) emissions associated with on-field agricultural practices
- Goal: Work with local agricultural groups to conduct focused outreach to promote more widespread implementation of conservation tillage practices such as cover cropping, no till, low till, strip till, and precision agriculture

A.6 Provide Incentives to Replace Diesel Ag Equipment (Tractors) with the Cleanest Available Equipment

- Type of Strategy: Incentives
- Purpose: To provide increased outreach and access to incentive funding for the replacement of older, high polluting ag equipment (e.g. tractors) operating within and surrounding Shafter with new, cleaner equipment through the District's existing Heavy-Duty Engine Incentive Program
- Goal: Replace 100 pieces of diesel ag equipment with new, cleanest available equipment
- Target: 750 tons NO_x, 60 tons PM_{2.5} (based on average emission reductions expected per project)
- Incentives to be invested: \$5,000,000

A.9 Alternative Manure Management Practices: Support Dairy Farms Near Shafter in Implementing Alternative Manure Management Strategies

- Type of Strategy: Outreach and Incentive
- Purpose: Support dairy farms near Shafter with the implementation of alternative manure management strategies that help further reduce the emissions of VOCs, ammonia, and methane, through funding and educational outreach about programs available through state agencies
- Goal:
 - Number and type of projects, and funding availability, will be developed with steering committee input when state funding guidelines are available
 - The District will work with local agricultural groups to conduct outreach to promote alternative manure management strategies

SC.2 HAL Schools: Increase Participation

- Type of Strategy: Outreach, Exposure Reduction
- Purpose: To reduce children's exposure to unhealthy air by increasing enrollment of schools in the Healthy Air Living Schools program
- Goal:
 - Meet with staff from both school districts in Shafter
 - Seek adoption of ROAR guidelines at both school districts in the area
 - Attend 4 school events, parent organization meetings
 - Partner with district-based family services to offer info and materials

VB.1 Provide Incentives for Installation of Vegetative Barriers Around/Near Sources Of Concern

- Type of Strategy: Incentive, Exposure Reduction
- Purpose: To provide incentives for the installation of vegetative barriers around/near sources of concern to reduce particulate matter, odor, and other emissions, as feasible
- Goal: Work closely with the community, City, California Department of Transportation, Natural Resource Conservation Service and others to investigate and identify areas suitable for installation of vegetative barriers. Type and location of projects will be developed with the input of Steering Committee, and funded as funding sources are identified.

IAQ.1 Mitigate indoor exposure to air pollution through weatherization and enhanced energy efficiency

- Type of Strategy: Incentive, Exposure Reduction
- Purpose: To reduce indoor exposure to air pollution in residences by incentivizing energy efficient weatherization upgrades
- Goal: District to work with partners at California Department of Community Services & Development to assist low-income community members in accessing state's Low Income Weatherization Program (LIWP) and Weatherization Assistance Program (WAP) incentives
- Target: Host 1 community meeting where California Department of Community Services & Development attends and educates community on benefits of weatherization and assists with enrolling community members in LIWP or WAP

IR.1 Idling-Reduction Strategy: Protect Sensitive Receptors

- Type of Strategy: Outreach, Exposure Reduction
- Purpose: To reduce the exposure of sensitive individuals to vehicle emissions at schools and other areas serving children and seniors
- Goal:
 - Distribute 10 sets of English/Spanish “No Idling” signs to schools, libraries, senior centers, parks, nursing homes, pediatricians, daycares, and medical centers
 - Develop and distribute idle-reduction infographics at each location
 - Develop and deliver 4 presentations about the impacts of vehicle exhaust, HAL Schools and available resources

0.1 Community Air Quality Outreach Strategy

- Type of Strategy: Outreach, Exposure Reduction
- Purpose: To provide additional information to the community about real-time air quality conditions and measures the public can take to protect themselves during poor air quality episodes
- Goal:
 - Launch social media campaigns based on myRAAN, air quality education (Facebook, Twitter, Instagram)
 - Partner with local civic organizations and other community organizations to host workshops on a variety of air quality topics at libraries, community centers, health centers, and schools.
- Target: Increased community awareness regarding air quality conditions and available tools through myRAAN registrations, app downloads, social media followers

0.2 Sharing Clean Air Efforts and How Communities Can Get Involved

- Type of Strategy: Outreach
- Purpose: To increase awareness of community air quality improvement programs and available incentives by hosting outreach events within the community
- Goal:
 - District will work with community to host workshops and symposiums to share air quality information on air quality improvement topics at libraries, community or senior centers, health centers, and schools. Topics may include CGYM, Burn Cleaner, DCSJ, TITU, HAL Schools

0.3 Joint Advocacy for Continued/Additional Funding to Support Air Quality Improvement Measures

- Type of Strategy: Outreach and Advocacy
- Purpose: Ensure that AB 617 goals are met by securing continued state funding for community-driven air quality improvement programs
- Goal: CARB, the District, and local communities and other interested parties, to work together to advocate for continued/additional state funding to support the implementation of health protective local measures that reduce community exposure to criteria pollutants and toxic air contaminants

CERP Provides Framework for Ongoing Community-Driven Implementation

- CERP developed as a roadmap for emissions reductions and exposure reduction in the Shafter 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

Next Steps: CERP Development

Date	Details
Monday, September 9	CSC Meeting (review updated CERP, prep for Governing Board meeting)
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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