

# **San Joaquin Valley Air Pollution Control District AB 617 Community Emission Reduction Program**

## **Drive Clean in the San Joaquin Repair Emission Reduction Program Plan**

### ***South Central Fresno Community Shafter Community***

#### ***PROJECT IDENTIFICATION***

##### ***SOUTH CENTRAL FRESNO AND SHAFTER COMMUNITIES C.1: PROVIDE ENHANCED INCENTIVES TO REPAIR HIGH EMITTING VEHICLES***

This is a Community Identified Project included and prioritized in the California Air Resources Board (CARB) and District adopted South Central Fresno and Shafter Community Emission Reduction Programs (CERP). The Drive Clean in the San Joaquin Repair Emission Reduction Program is part of [California Climate Investments](#), a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment – particularly in disadvantaged communities.

This measure will reduce oxides of nitrogen (NOx) emissions from passenger vehicles by providing incentives for residents to repair their high emitting vehicles.

#### ***COMMUNITY SUPPORT***

This measure received support from both the South Central Fresno and Shafter Community Steering Committees and was included in the adopted Community Emission Reduction Program.

- (1) Name(s) of the community group(s):**
  - a. South Central Fresno Steering Committee [Map](#)
  - b. Shafter Steering Committee [Map](#)
- (2) Purpose of community group(s)**
  - a. AB617 Community Engagement and Public Input
- (3) Total number of members in the community group(s)**
  - a. South Central Fresno – 34 members
  - b. Shafter – 27 members
- (4) Date(s) of formation/establishment**
  - a. South Central Fresno – December 2018
  - b. Shafter – December 2018
- (5) A description of the decision-making process must be included.**
  - a. South Central Fresno Steering Committee [Charter](#)

- b. Shafter Steering Committee [Charter](#)
- (6) Community Support Demonstration**
  - a. South Central Fresno [CERP](#)
  - b. Shafter [CERP](#)
- (7) Ongoing Community Support Demonstration**

This CERP measure has been discussed at South Central Fresno and Shafter community meetings and has received broad support from members of the committee. A link to the meeting agendas is included below:

- a. South Central Fresno [Meeting](#)
- b. Shafter [Meeting](#)

### ***MECHANISM FOR INFORMING COMMUNITY***

Once this measure is approved by CARB and available for implementation the measure will be discussed at Community Steering Committee (CSC) meetings in addition to outreach activities to inform residents of the program and requirements for participation. The outreach conducted has and will continue to be the following:

- Social media
- Mailers
- Print ads
- Press releases and press events
- Events, town halls, webinars etc.
- Other ideas as brought up by committee

Additionally, the District and CSC have jointly developed a tool to track progress of each measure adopted within the CERP for each community;

- South Central Fresno Community tracker: <http://community.valleyair.org/media/2575/may-fresno-website-tracker.pdf>
- Shafter Community tracker: <http://community.valleyair.org/media/2573/may-shafter-website-tracker.pdf>

The tracker for each community is updated monthly and includes updates such as number of projects contracted, funding allocated, project-associated benefits to the community, and other information specific to each measure. The trackers are shared directly with members of each CSC community ahead of regularly scheduled CSC meeting and is available on the community webpage in both English and Spanish.

Tune In Tune Up (TITU) events are a component of the Drive Clean in the San Joaquin Repair Program and are administered by the District's program partner Valley Clean Air Now (Valley CAN). These are in-person events that take place at regional community facilities in which a resident can bring their vehicle for a free emissions screening to determine eligibility in the program. In addition to the outreach mechanisms identified, grassroots outreach efforts by Valley CAN will also be employed to ensure maximum attendance at these events.

## **PROGRAM REQUIREMENTS**

### **(A) Drive Clean in the San Joaquin Repair Program Eligibility**

The Drive Clean in the San Joaquin Repair Program guidelines for each community are attached to this program plan as Exhibit A. In implementing this CERP measure, the District will follow existing program guidelines and eligibility criteria with the incorporation of additional requirements to ensure that participants reside within the South Central Fresno or Shafter community through the use of a utility bill, DMV registration, or other similar documentation to verify residence within the community. The participant must reside within the boundaries of the South Central Fresno or Shafter Communities, and must have owned their vehicle for at least six months. The vehicle must be registered to the participant, list a registration address within boundaries of the South Central Fresno or Shafter Communities, and must not have gone through the Repair Program within the previous 12 months. Vehicle repairs must be completed at a program participating smog shop and incentive funding can only be used towards the cost of emissions-related repairs.

Tune In Tune Up (TITU) events, for which attendance is normally a requirement for incentive eligibility, have been cancelled due to ongoing concerns with COVID-19/Coronavirus. The District may consider reestablishing TITU events in the future when local and state public health guidelines permit. The District will continue to monitor and evaluate this evolving situation and will make decisions regarding future events based on public health guidance at that time. In lieu of in-person events, participants can participate in the program through a contactless process by applying online, or by calling Valley CAN who can help determine their eligibility. The implementation of the program for the South Central Fresno and Shafter Communities will allow for participants to participate through in-person events if permitted, and the contactless process.

### **(B) Participant Requirements**

- (1) Application: The participant must apply for the program via one of the following two methods:
  - a. A participant may apply online by completing the online interest form at <https://valleycan.org/smog-repair-interest-form>, or by calling Valley CAN at 1-800-806-2004. A Valley CAN representative then screens the participant and vehicle information to determine program eligibility. If eligible, an electronic voucher is awarded for the participant's project where it can be redeemed for use at a TITU program participating STAR certified smog shop.
  - b. When allowed by public health guidance, participants can attend an in-person TITU event where Valley CAN will help determine their

eligibility in the program. At the event, a free emissions screening is performed on the participant's vehicle. If the vehicle fails the screening, Valley CAN will provide a program voucher to the participant to be redeemed at a program participating smog shop.

- (2) Repairs: The participant must complete vehicle repairs at a program participating smog shop. The smog shop first runs a pre-smog test to diagnose whether or not a participant's vehicle fails the emissions portion of a smog test. If the vehicle does not have an emissions failure, then the vehicle is ineligible for the program. If the pre-smog test shows an emissions failure, a diagnostic is performed to determine the types of emissions-related repairs the vehicle needs. Once the diagnostic is complete, the participant is informed of the emission-related repairs necessary and any estimated out of pocket costs, prior to beginning work on the vehicle. Upon consent from the participant, the voucher will be used to have the smog shop complete emissions-related repair costs. Once repairs are completed, a post-smog test is performed to ensure that the vehicle passes emissions test standards.
- (3) Final Transaction: Once a smog shop has completed the vehicle's emissions-related repairs, the value of the voucher is deducted from the total cost of the repairs. The participant is responsible for any out of pocket costs that exceed the voucher amount. After the voucher has been redeemed and, if applicable, costs exceeding the voucher amount have been paid, the participant will receive a smog certificate. At such time, their project will be deemed complete under the program. The smog shop will submit participant vouchers to the District to be reimbursed directly for the amount in which the voucher was used towards emissions-related repairs.

## **FUNDING AMOUNTS**

The approved CERP's include \$1,000,000 for the South Central Fresno community and \$400,000 for the Shafter community for the implementation of this measure. This funding will provide for 1,250 vehicle repairs in South Central Fresno and 500 vehicle repairs in Shafter. In addition to vehicle repairs, this funding will provide for TITU administrative expenses such as costs incurred to administer the TITU program through the online model, or scheduled in-person events if permitted.

Eligible participants may receive a maximum incentive amount of \$850 for emissions-related vehicle repairs. The \$850 incentive can be used towards the following: a pre-smog test to verify the vehicle has an emissions-related failure, a diagnostic to identify required repairs, and a post-smog test to confirm repairs performed have resolved the emissions-related failure. If the total cost of the emissions-related repairs (including the pre- and post-smog tests and the diagnostic) are greater than \$850, the remaining balance is an out-of-pocket expense that shall be paid by the participant. The participant

has the option to not proceed with repairs if the estimated costs are infeasible. There are no minimum match requirements from the participant for participating in the program.

### **PROJECT SELECTION AND REPORTING**

Projects will be approved on a first-come, first-served basis until program funds are exhausted.

The District will report program information in accordance with Community Air Protection program guidelines found at:

[https://ww3.arb.ca.gov/msprog/cap/docs/cap\\_incentives\\_2019\\_guidelines.pdf](https://ww3.arb.ca.gov/msprog/cap/docs/cap_incentives_2019_guidelines.pdf)

### **EMISSION REDUCTION TARGETS**

The goal of this measure is to repair 1,250 vehicles in South Central Fresno with an expected emission reduction of 11.6 tons of NO<sub>x</sub> and 500 vehicles in Shafter with an expected emission reduction of 4.6 tons of NO<sub>x</sub>. Mobile source emissions account for over 85% of the overall NO<sub>x</sub> inventory in the San Joaquin Valley. With no regulatory authority over these sources, the District has relied on voluntary incentive programs to repair high emitting vehicles. Reducing emissions from passenger vehicles is important due to their contribution to the formation of ozone in the Valley.

The District will utilize an established Repair Program emission reduction calculation methodology to calculate the emission reductions achieved from each completed vehicle repair project. These calculations use converted tailpipe emissions captured from California's smog check program, in parts per million (ppm), to predicted Federal Test Procedure (FTP) emission rates in grams per mile (g/mile) using CARB's Technical Support Document for Evaluation Of The California Enhanced Vehicle Inspection and Maintenance (Smog Check) Program, April 2004 Draft Report to the Inspection and Maintenance Review Committee, used by the Smog Check Program <https://ww3.arb.ca.gov/msprog/smogcheck/smogcheck.htm>.

A project life of 1 year will be used when calculating emission reductions. This project life is based on the estimated life of repairs. Participants can participate in the repair program with the same vehicle every 12 months. Annual vehicle miles traveled will be gathered from each applicant and will be used to calculate the estimated annual NO<sub>x</sub> emissions from vehicle repairs.

The necessary formulas to convert and calculate the NO<sub>x</sub> emission reductions and cost-effectiveness for a vehicle repair project are provided below.

Formula A-1: Estimated Annual NO<sub>x</sub> Emissions from a vehicle experiencing emission failures (lbs/yr)

$$\text{Annual NO}_x \text{ Emissions (lbs/yr)} = (\text{Annual VMT (miles/yr)} * \text{Pre-Test NO}_x \text{ value (g/mile)}) / 453.592 \text{ (g/lb)}$$

Formula A-2: Estimated Annual NOx Emissions from a repaired vehicle (lbs/yr)

$$\text{Annual NOx Emissions (lbs/yr)} = \frac{(\text{Annual VMT (miles/yr)} * \text{Post-Test NOx value (g/mile)})}{453.592 \text{ (g/lb)}}$$

Formula A-3: Estimated Annual NOx Emission Reductions (tons/yr)

$$\text{Annual NOx Emission Reductions (tons/yr)} = \frac{\text{Pre-Test Annual NOx Emissions (lb/yr)} - \text{Post-Test Annual NOx Emissions (lb/yr)}}{2,000 \text{ (lbs/ton)}}$$

Formula A-4: Estimated Lifetime NOx Emission Reductions (tons)

$$\text{Lifetime NOx emission reductions (ton/yr)} = \text{Project Life (yr)} * \text{Annual NOx Emission Reductions (tons/yr)}$$

Formula A-5: Cost-Effectiveness of the NOx Emission Reductions (\$/ton)

$$\text{Cost-Effectiveness (\$/ton)} = \frac{\text{Grant Amount (\$)}}{\text{Lifetime NOx Emission Reductions (tons)}}$$

# **Exhibit A**

Drive Clean in the San Joaquin Repair Program Guidelines

*South Central Fresno Community*

*Shafter Community*



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



## REPAIR PROGRAM GUIDELINES SOUTH CENTRAL FRESNO COMMUNITY

The Drive Clean in the San Joaquin Repair Emission Reduction Program (Repair Program) is part of [California Climate Investments](#), a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment — particularly in disadvantaged communities.

The Repair Program offers free vehicle emissions screening throughout the San Joaquin Valley and provides financial assistance for residents to receive emissions related vehicle repairs at a participating STAR certified smog shop. Incentives will be issued pending availability of funds. Receiving a vehicle emissions screening **DOES NOT GUARANTEE** that participant will be provided incentive funds for repairs.

### PROGRAM REQUIREMENTS

- Participant must reside within the AB 617 South Central Fresno boundaries
- Participant must have owned the vehicle for at least six months
- Vehicle must be registered within the AB 617 South Central Fresno boundaries
- Vehicle must not have been repaired through the Repair Program within the previous 12 months
- Vehicle repairs must be completed at a Repair Program participating smog shop
- Incentive funding can only be used towards the cost of emissions-related repairs

### INCENTIVE FUNDING

Participants may receive a maximum incentive amount of \$850 for emissions-related vehicle repairs. The \$850 incentive can be used towards the following: a pre-smog test to verify the vehicle has an emissions-related failure, a diagnostic to identify required repairs, and a post-smog test to confirm repairs performed have resolved the emissions-related failure. If the total cost of the emissions-related repairs (including the pre- and post-smog tests and the diagnostic) are greater than \$850, the remaining balance is an out-of-pocket expense that shall be paid by the participant. The participant has the option to not proceed with repairs if the estimated costs are infeasible.

### HOW TO PARTICIPATE IN THE PROGRAM

#### *How can I apply?*

You may apply one of two ways:

1. You can apply online or over the phone





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Call program partner Valley Clean Air Now at 1-800-806-2004, or complete the online interest form at <https://valleycan.org/smog-repair-interest-form> to receive initial eligibility screening for a Repair Program voucher.

## 2. You can attend an in-person event

Valley CAN conducts regional in-person events, also known as Tune In Tune Up (TITU) events. At these events, a free emissions screening is performed on the participant's vehicle. If the vehicle fails the screening, Valley CAN will provide a Repair Program voucher to the participant to be redeemed at a participating smog shop. Event schedule and flyers may be viewed at <http://valleyair.org/drivecleaninthesanjoaquin/repair>. Events will resume once public health-related recommendations and directives do not prohibit large events from taking place.

### *How can I redeem my voucher?*

You may redeem your voucher by following the steps below:

**Step 1:** Select and take your voucher to a program participating STAR certified smog shop for vehicle repairs.

**Step 2:** The smog shop will run a pre-smog test and diagnostic to determine the types of repairs needed. You will be provided a cost estimate for necessary repairs, and at that time, you may opt out of proceeding with the repairs if the costs exceed the \$850 voucher amount.

**Step 3:** If you elect to proceed, you will need to authorize the smog shop to complete the repairs. Any costs that exceed the voucher amount will be at the expense of the participant.

### **GENERAL PROGRAM INFORMATION**

- Diesel vehicles are ineligible.
- Participants have full discretion in the selection of a participating smog shop. The District and Valley CAN do not endorse, or are not in a financial partnership with any of the smog shops, and any such issues arising from the testing or repair services provided is between the participant and the smog shop. The District will not be held liable for any circumstances or events that occur between the participant and the smog shop. Participating smog shops are independent; they are not officers, representatives, agents, servants, employees, partners, associates, etc. of the District or Valley CAN.
- Please note that once a smog shop performs a service on the vehicle, such as a pre-smog test and diagnostic, the smog shop is required to keep the voucher and submit it for reimbursement from the Valley Air District. In the event that the participant chooses a different smog shop to complete the repairs, the participant will have to first pay for the services already performed to retrieve their voucher from the smog shop.



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The Repair Program offers free vehicle emissions screening throughout the San Joaquin Valley and provides financial assistance for residents to receive emissions related vehicle repairs at a participating STAR certified smog shop. Incentives will be issued pending availability of funds. Receiving a vehicle emissions screening **DOES NOT GUARANTEE** that participant will be provided incentive funds for repairs.

### PROGRAM REQUIREMENTS

- Participant must reside within the AB 617 Shafter boundaries
- Participant must have owned the vehicle for at least six months
- Vehicle must be registered within the AB 617 Shafter boundaries
- Vehicle must not have been repaired through the Repair Program within the previous 12 months
- Vehicle repairs must be completed at a Repair Program participating smog shop
- Incentive funding can only be used towards the cost of emissions-related repairs

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