

# Arvin/Lamont Community Emissions Reduction Program

California Air Resources Board Hearing  
October 13, 2022

# Co-led from the Start

## COMMUNITY CO-LEADS SELECTED BY COMMUNITY STEERING COMMITTEE

- **Byanka Santoyo:** Arvin Resident
- **Gustavo Aguirre, Jr.:** Central California Environmental Justice Network

## CO-LEADS COORDINATE WITH DISTRICT, CARB, AND FACILITATION TEAM

- Constant feedback about presentation materials, resident concerns, and CERP measures
- Regular check-ins were key in the successful adoption of the Arvin/Lamont CERP

# Equitable Access to Meetings and Materials

07/27/2022  
Steering Committee Meeting #20

Action Items: BILINGUAL

Agenda: BILINGUAL

Community Air Monitoring Plan (CAMP): ENGLISH ESPAÑOL

CAMP Presentation: ENGLISH ESPAÑOL

CERP Implementation Presentation: BILINGUAL

Video: WATCH VIDEO RECORDING

Video: VER GRABACIÓN DE VÍDEO

Chat: VIEW TRANSCRIPT

## ACCESS TO MEETINGS

- Meetings recorded in English & Spanish, posted to website
- \$75 per meeting stipends for each resident member

## SPANISH LANGUAGE ACCESSIBILITY

- Live, simultaneous interpretation at every meeting
- Live translation of notes and action items
- All documents, emails, chats, & other materials translated

Date	Action Item	Who is Responsible	Status	Outcome
Fecha	Artículo de Acción	Quién es Responsable	Estado	Conclusión
5/25/2022	Modify pesticide measure CERP language to distinguish between commitments to the buffer zones/mitigation and the notification system.  <i>Modificar el lenguaje de la medida de pesticidas CERP para distinguir entre los compromisos con las zonas de amortiguación/mitigación y el sistema de notificación.</i>	Air District  <i>Distrito del Aire</i>	Complete/ Completo	The District revised the language in the pesticide measure based on the feedback from committee members. The changes can be seen in these Redline documents: <a href="#">English/Spanish</a>  <i>El Distrito revisó el lenguaje en la medida de pesticidas basado en los comentarios de los miembros del Comité. Los cambios se pueden ver en estos documentos subrayados: <a href="#">Inglés/español</a></i>

Category E: Land use and agency partnerships (truck reroute study, pesticides, etc.)

Cal Trans truck study in collaboration with the community (county and city) to see if we can reroute the trucks

Pesticide notification system - knowledge of what is contaminating air

Categoría E: Uso de suelo y asociaciones con agencias (estudio de desviación de camiones)

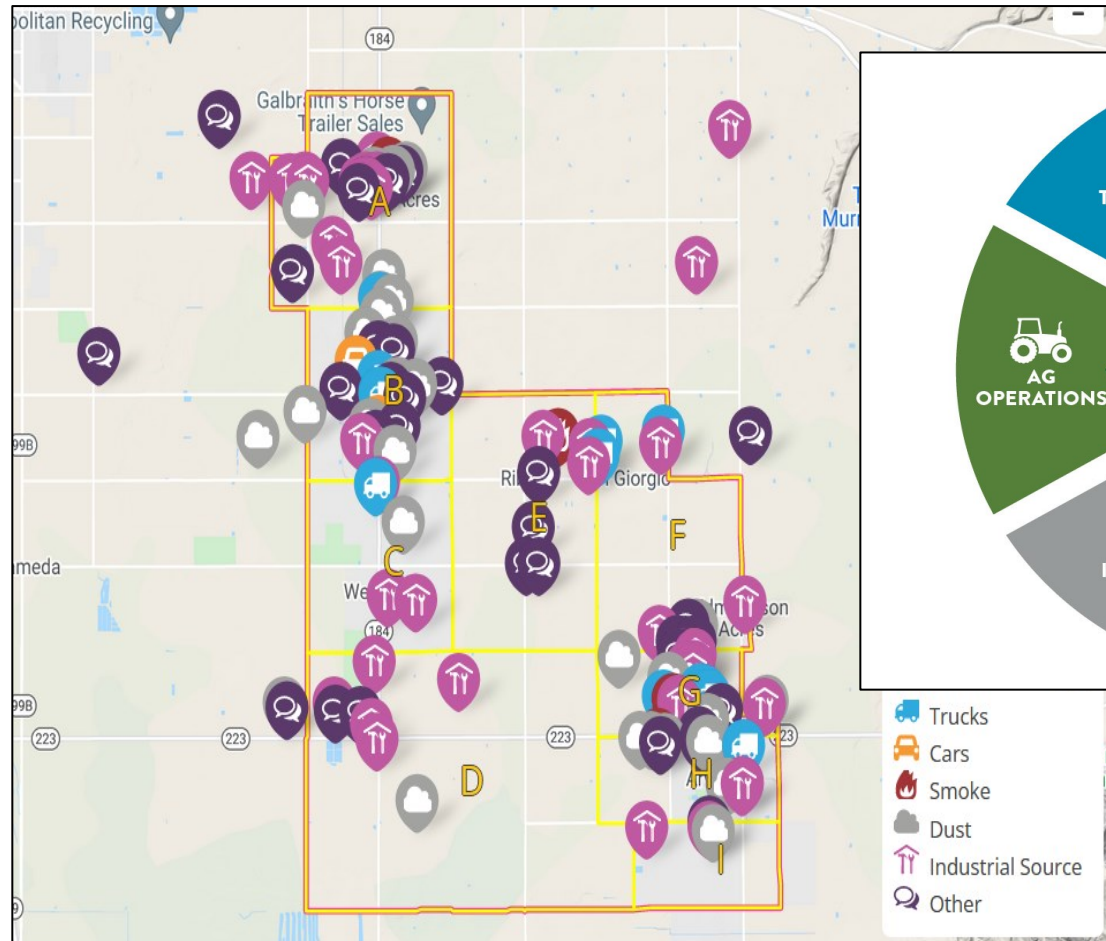
Estudio de camiones de Cal Trans en colaboración con la comunidad

Sistema de notificación de Pesticidas - conocimiento sobre lo que está contaminando el

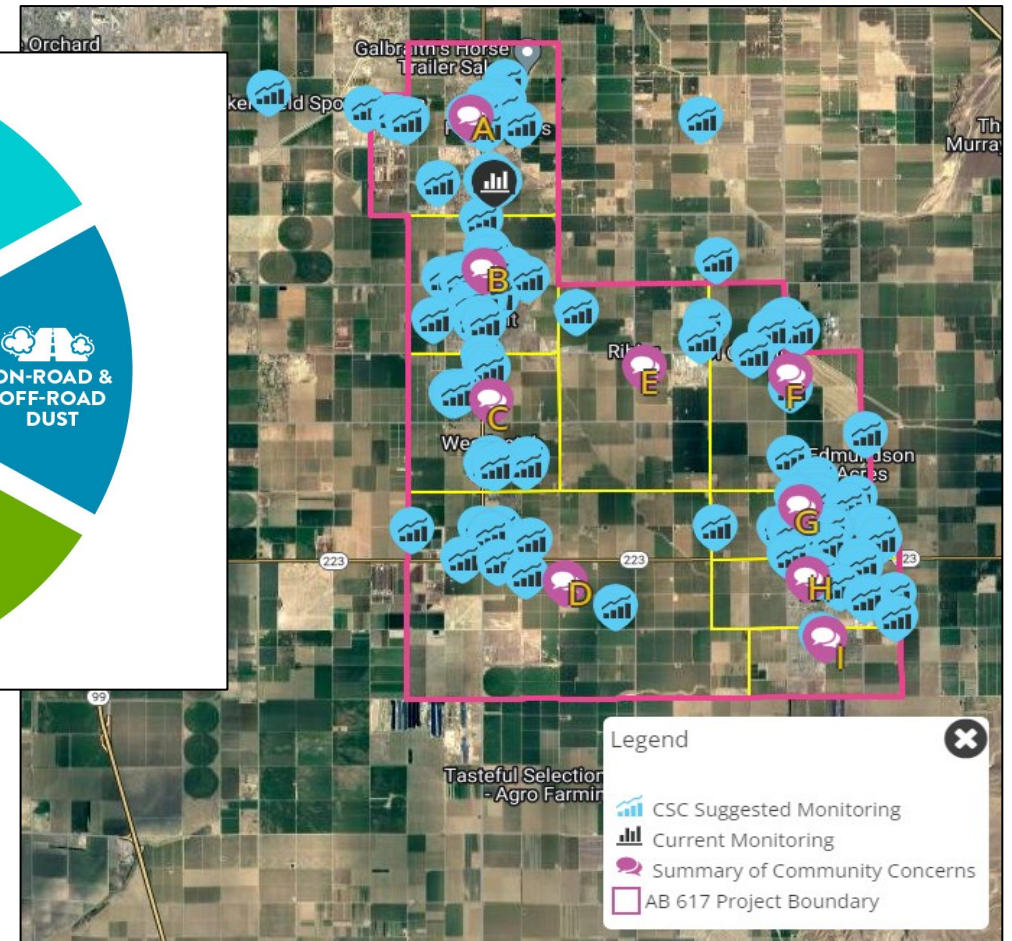
## RESIDENT ENGAGEMENT

- Personal phone call to all residents before each meeting
- Assistance over the phone and in-person with online engagement

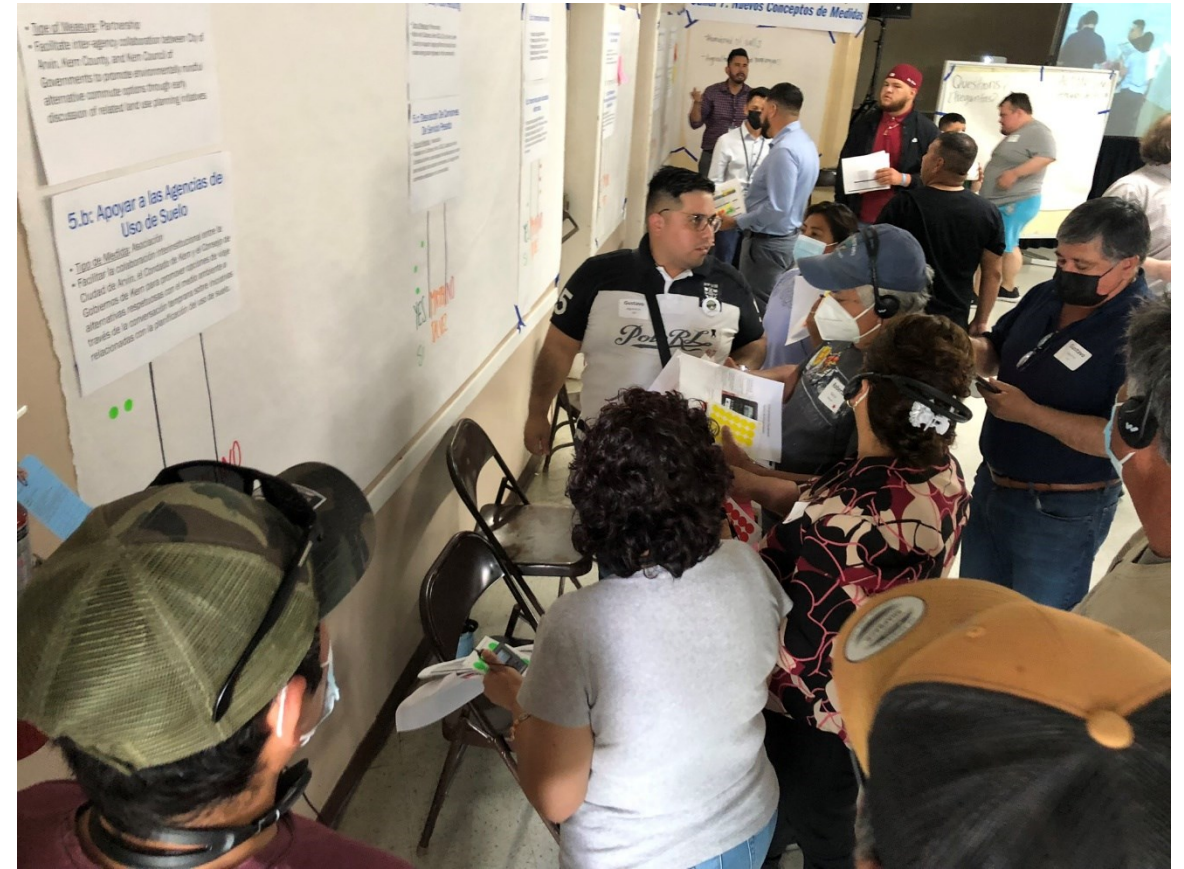
# Community Input at Every Stage



- Trucks
- Cars
- Smoke
- Dust
- Industrial Source
- Other

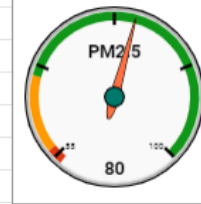
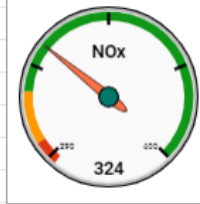


# First In-Person Meeting in State



# Participatory Budgeting at the Individual Level

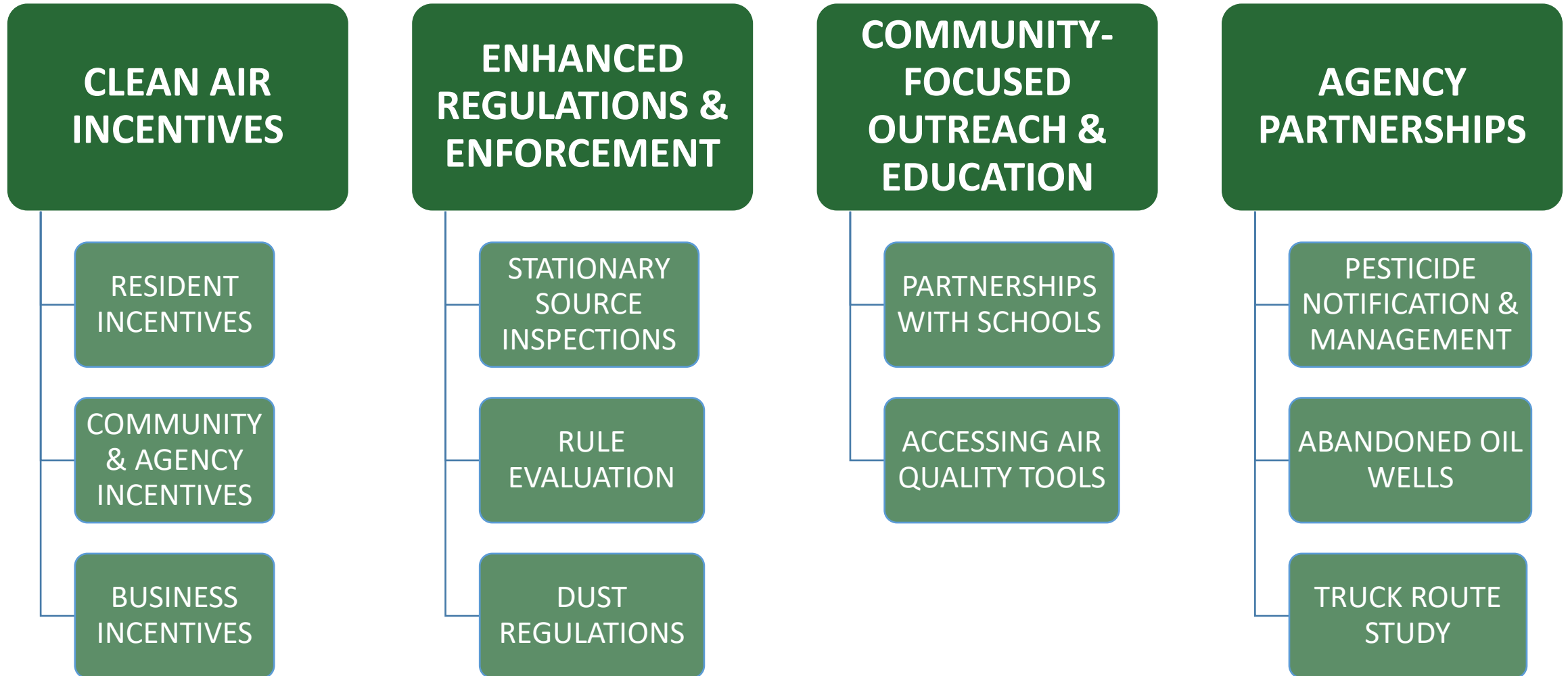
<b>Budget</b>		<b>\$ 30,000,000</b>
<b>Proposed Incentives</b>		<b>\$ 30,000,000</b>
<b>Estimated Emissions Reduced in CERP (tons)</b>	NOx	324
	PM2.5	80
	VOC	496



Yes I want this in the CERP  
Maybe I'm not sure if I want it in the CERP, need more info  
No I don't want this in the CERP

*New program, or new incentive amount		ENTER YOUR PROPOSED CHANGES HERE		total tons estimated emissions reductions from each measure			Proposed Measure Funding	Place a "CHECK" to support measures here			Add notes or questions for the District
**Increased access to existing program				Total NOx Target	Total PM2.5 Target	Total VOC Target		Yes	Maybe	No	
Idea	Unit Type	Number of Units	Incentives Per Unit	Total NOx Target	Total PM2.5 Target	Total VOC Target	Proposed Measure Funding	Yes	Maybe	No	Notes
<b>Resident Incentives</b>				<b>5.6</b>	<b>0.1</b>	<b>1.6</b>	<b>\$ 4,580,000</b>				
*Increase incentive for resident's <b>vehicle replacement</b>	Cars	200	\$ 20,000	1.9	0.1	0.0	\$ 4,000,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
**Enhanced incentive for resident <b>vehicle repair</b>	Cars	400	\$ 600	3.6	0.0	0.0	\$ 240,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
* <b>Electric scooters/ Ebikes</b> (free for residents)	Bikes or Scooters	200	\$ 1,000	Emissions Reductions Expected Pending CARB Methodology			\$ 200,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Replace <b>residential lawn and garden equipment</b> (free for residents)	Lawn Mowers	280	\$ 500	0.1	0.1	1.6	\$ 140,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Roads and Community Transportation Incentives</b>				<b>18.6</b>	<b>10.2</b>	<b>37.8</b>	<b>\$ 12,900,000</b>				

# Comprehensive CERP Unanimously Supported



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## Proposed CERP Measures

31

## Proposed CERP Incentives Funding

\$ 30.6M

## Target Emissions Reductions (tons)

NOx	421
PM2.5	136
VOC	161

## Proposed CERP Incentive Measures



Heavy-Duty Truck Replacement \$5,000,000



School Bus Replacement \$1,600,000



Ag Equipment Replacement \$4,500,000



Alternatives to Ag Burning \$1,400,000



Residential Lawn & Garden Equipment \$175,000



Commercial Lawn & Garden Equipment \$150,000



Residential Vehicle Repair \$360,000



Residential Vehicle Replacement \$4,000,000



Urban Greening \$500,000



Vegetative Barriers \$500,000



Road Improvements, Sidewalks & Bike Paths \$12,000,000



Public Fleet Vehicles \$400,000



# Working in Partnership



**Kern Council  
of Governments**



**CENTER ON  
RACE, POVERTY  
& THE ENVIRONMENT**



**OEHHA**

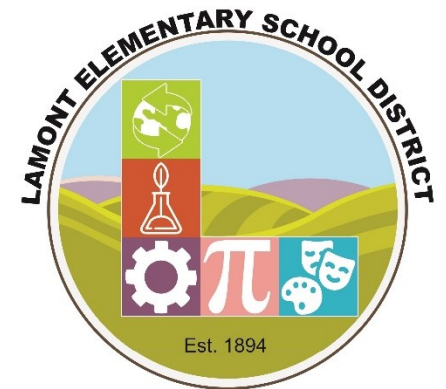
California Office of Environmental  
Health Hazard Assessment



**CENTRAL CALIFORNIA  
ENVIRONMENTAL JUSTICE NETWORK**



**CENTRAL CALIFORNIA  
ASTHMA COLLABORATIVE**



# Focus on Implementation Since June District Governing Board Adoption

Prioritization Exercises for Community Identified Projects



Enhanced Enforcement Measures Underway



Working with Community on Outreach & Education Tools



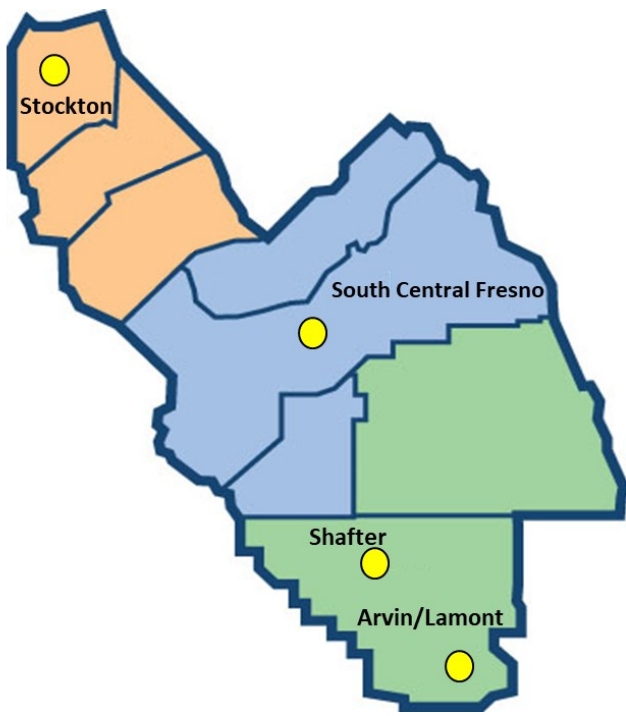
Pesticide Commitments Highest Priority

First Subcommittee Meeting Held September 27

Co-led and supported by DPR, OEHHA, Kern Ag Commissioner

# Community Air Protection Program Implementation Across the Valley

San Joaquin Valley Air Pollution Control District  
CARB Board Hearing  
October 13, 2022



# Continued Engagement and Investment in Four CARB-Selected Communities

SOUTH CENTRAL FRESNO	SHAFTER	STOCKTON	ARVIN/LAMONT
Selected in 2018	Selected in 2018	Selected in 2019	Selected in 2021
46 adopted measures	51 adopted measures	31 adopted measures	31 proposed measures
COMMUNITY EMISSIONS REDUCTIONS			
1,662 tons of NOx	1,718 tons of NOx	698 tons of NOx	420 tons of NOx
278 tons of PM2.5	265 tons of PM2.5	66 tons of PM2.5	136 tons of PM2.5

# CAP Funds Support Variety of Community Investments

## PRE-APPROVED IN CAP FUNDING GUIDELINES

Locomotive Switchers

Alternative Fueling Stations

School Buses

School Air Filtration

Tractor Replacement

Ag Pumps

Truck Replacement

TRUs & Yard Trucks

## APPROVED COMMUNITY IDENTIFIED PROJECTS

Low Dust Nut Harvesters

Alternatives to Ag Burn

Truck Reroute Study

Alternatives to Ag Burn

Residential Lawn & Garden

Commercial Lawn & Garden

Vegetative Barrier  
& Urban Greening

Residential Wood Burning

EV Chargers

Car Share Programs

## PROJECTS SUBMITTED TO CARB

EV Mechanic Training

Tune-in Tune-Up

Public Fleet Vehicles

Road Paving &  
Infrastructure

## PROJECTS UNDER DEVELOPMENT

Charging for Anti-Idling

Passenger Vehicles

Charbroiling

Residential Solar

# Wide Array of Successful Community Identified Projects



**KICKED OFF TRUCK ROUTE & HEALTH STUDY IN SOUTH CENTRAL FRESNO**



**LAWN MOWER EXCHANGE EVENTS FOR COMMUNITY RESIDENTS**



**25 NUT HARVESTERS REPLACED WITH LOW DUST EQUIPMENT IN SHAFTER**

# Focused Resources for Clean Air Efforts in Communities Across the Valley

*State Community Air Protection (CAP) funds are distributed to Air Districts to be used as emission reduction incentives in disadvantaged communities, including AB 617 communities*

**\$187,856,961**

TOTAL CAP AND MATCH FUNDS INVESTED IN VALLEY COMMUNITIES TO DATE

**6,366 TONS**

TOTAL NOX REDUCTIONS

**527 TONS**

TOTAL PM2.5 REDUCTIONS

**793 TONS**

TOTAL VOC REDUCTIONS

## IMPACTS OF CAP FUNDS TO DATE

**24**

NEW ELECTRIC SCHOOL BUSES

**958**

OFF-ROAD DIESEL VEHICLES REPLACED WITH CLEANER TECHNOLOGIES

**325**

GAS LAWNMOWERS REPLACED WITH ELECTRIC MOWERS

**52**

WOOD BURNING DEVICES REPLACED WITH CLEAN TECHNOLOGY

## CERP MEASURE PROGRESS IN THREE VALLEY COMMUNITIES

**9**

DISTRICT RULES AMENDED FOR SOURCES RAISED AS COMMUNITY PRIORITIES

**1,519**

PERMITTED SOURCE INSPECTIONS

**726**

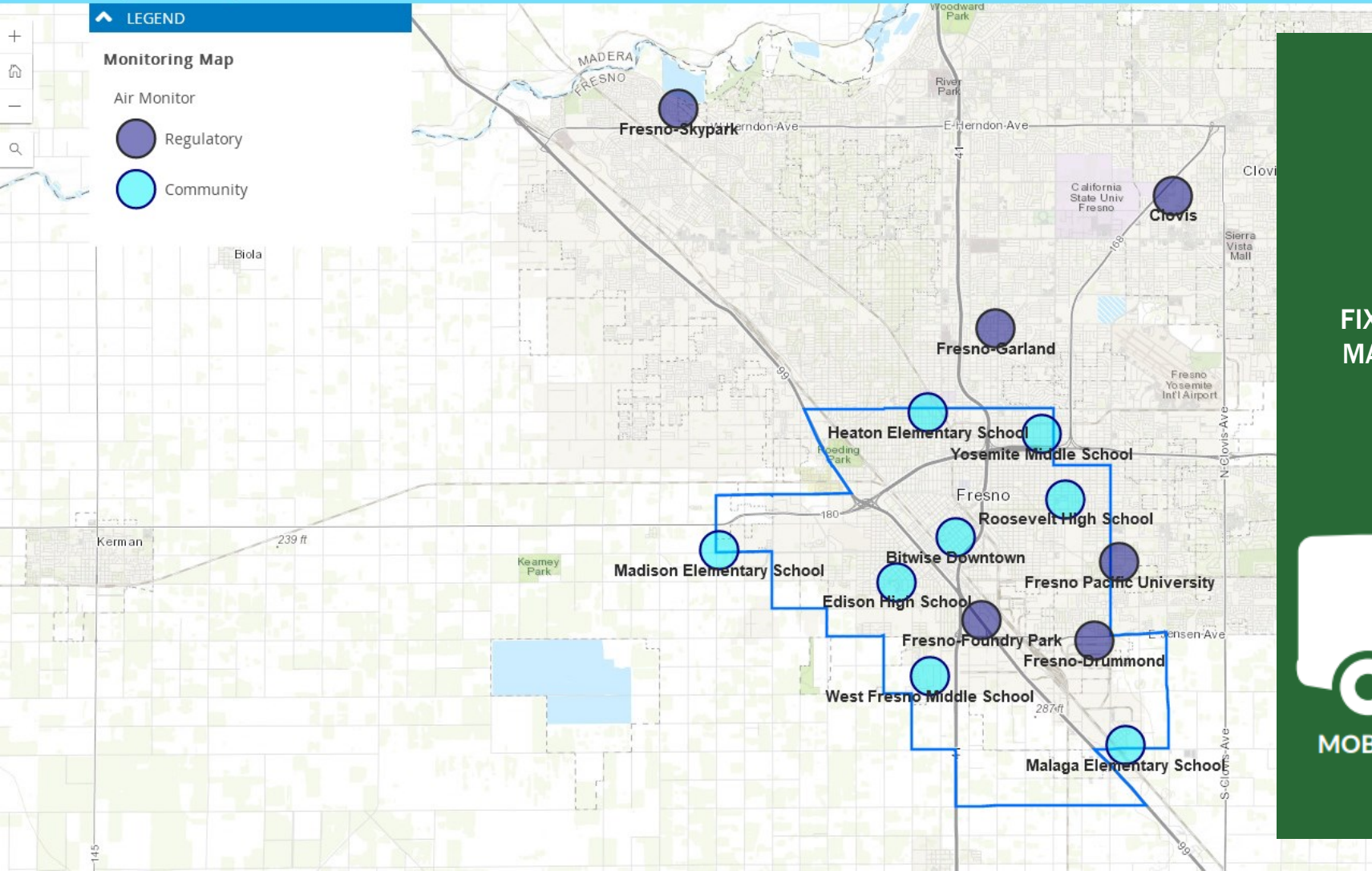
NOTICES OF VIOLATION ISSUED

**465**

OUTREACH & MEDIA EVENTS

# Access to Real-Time Air Quality Information

## San Joaquin Valley Air Monitors



**FIXED PARTICULATE MATTER MONITORS**

**SEMI-MOBILE COMPACT MULTI-POLLUTANT SYSTEMS**

**MOBILE AIR MONITORING**

**MOBILE TRAILERS**



# Genuine Community Engagement

PARTNERSHIPS AT COMMUNITY SCHOOLS



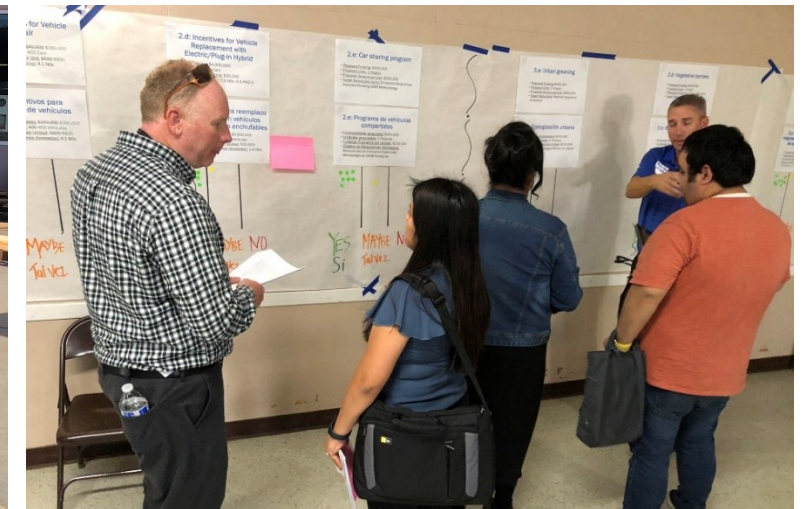
PARTNERSHIPS WITH COMMUNITY RESIDENTS



MINI GRANTS FOR ORGANIZATIONS

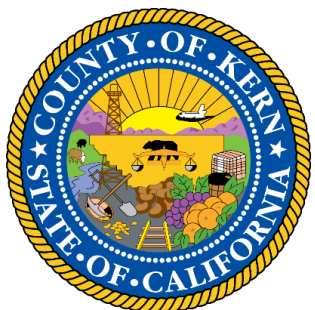


INCENTIVES DIRECTLY TO RESIDENTS



COMMUNITY CAPACITY BUILDING

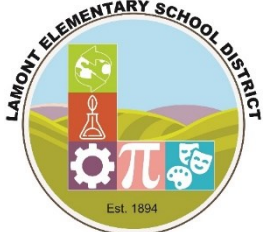
# Building Relationships is Key to Success



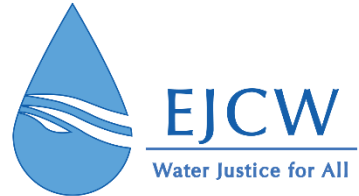
Kern Council of Governments



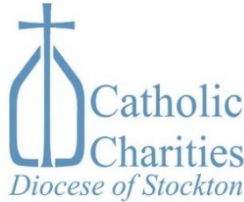
CITY OF ARVIN  
EST. 1961 KERN COUNTY, CALIFORNIA



SAN JOAQUIN  
COUNCIL OF GOVERNMENTS  
CALIFORNIA



OEHHA  
California Office of Environmental Health Hazard Assessment



# Learning from the Past to Move Forward

## SIMILAR COMMUNITY IDENTIFIED MEASURES ACROSS VALLEY

- Work with CARB to streamline project plan development and approval

## CONTINUOUS EVALUATION OF MEASURES

- Communicate progress to CSC
- Continue to provide opportunities to Identify CSC-supported shifting of funds

## IDENTIFY NEW MEASURES AS NEEDED

- Continue to provide opportunities to identify new CSC-supported measures

## EQUAL ACCESS FOR ALL

- Provide language & accessibility tools