

# East Bay Clean Cities Green Vehicle Funding Workshop

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San Joaquin Valley Air Pollution Control District

# Air District

- Providing Incentives for clean-air strategies since 1992
- \$580 million in incentives, with \$470 million in match
  - **\$1 Billion in total investment**
- Reduced over 100,000 tons of harmful emissions
- Incentive program Budget has grown 10-fold in past 5 years
- \$100 million per year in funding (Local, State, Federal)
- District is statewide leader in efficient and effective grant program development and administration
- Administering statewide programs on behalf of ARB

# What Has Been Funded?

- 4,317 ag pumps
- 1,627 ag equipment
- 758 off-road equipment
- 3,762 heavy-duty trucks
- 2,404 school buses
- 3,729 lawnmowers
- 41 locomotives
- 3,403 fireplaces
- 54,923 commuter subsidies
- 358 alt fuel vehicles
- 610 cars crushed
- 2,950 cars repaired
- 15 bike infrastructure

# FY 2013-14 Spending Plan

- Community Incentives
  - Drive Clean, Tune-In Tune-Up, Burn Cleaner, Lawnmowers, REMOVE
  - \$10.5 million
- Goods Movement Programs
  - Heavy Duty Trucks, Locomotives
  - Funding \$35 million

# Incentives Spending Plan

- Heavy Duty Diesel Programs
  - Ag Equipment Replacement, Ag irrigation Pumps, Truck Voucher Program, Construction Equipment, Refuse Trucks
  - Funding \$40.5 million
- Advanced Transportation/Vehicles
  - Public Benefit Grants, Electric Vehicle Strategic Plan
  - Funding: \$20 million
- School Bus Replacement & Retrofit
  - Funding: \$9.1 million

# Incentives Spending Plan

- Technology Advancement
  - Mobile Source and Renewable/Waste to Energy (advanced electric trucks, dairy digesters, Zero-emission lawn and garden, etc.)
  - Funding: \$6.1 million

# Clean Vehicle Funding Opportunities

- Drive Clean Rebate Program
- HVIP+
- Public Benefits Program
- Technology Advancement Program
- Plug in Electric Vehicle Readiness Plans
- Alternative Fuel Mechanics Training

# Drive Clean Rebate Program

- Individuals, businesses, non profits, and government organizations eligible
- Up to \$3,000 incentive per vehicle
- Eligible vehicles include EV, PHEV, alternative fuel
- Can be combined with statewide CVRP incentive for additional savings



# HVIP Plus

- HVIP Plus Program is designed to offer additional incentive funding to fleets that are purchasing hybrid or zero emission trucks and buses through HVIP
- Additional incentive for fleets operating within the SVAPCD boundaries range from \$12,000-\$30,000
- Additional incentives administered through partnership with CALSTART

# Public Benefits

- Program designed for Valley cities, counties, special districts and educational institutions
- New Alt Fuel Purchase
  - Up to \$20,000 per vehicle and \$100,000 per year per agency
  - Eligible vehicles include EV, PHEV, and alternative fuel

# Public Benefits

- Alternative Fuel Infrastructure
  - Recent \$5 million RFP closed 9/30/13
  - Received \$16 million in proposals
- Electric Vehicle Infrastructure
  - Application/RFP opens early 2014
  - Provide funds for installing EV charging infrastructure

# Public Benefits

- Advanced Transit and Transportation
  - This component introduces advanced clean technology in the areas of transit and transportation in the valley and/or promotes innovative infrastructure designs that reduce vehicle miles traveled or vehicle idling.
  - The District received 24 proposals seeking over \$26 million in funding which consisted of new bus rapid transit systems, advanced traffic light synchronization systems, and bicycle network infrastructure.
  - The District awarded approximately \$5.2 million to 15 projects
  - Future opportunities through RFP process

# Technology Advancement

- Strategic approach to encourage innovation and development of new emission reduction technologies
- Focus areas include mobile sources, waste solutions, and renewable energy projects
- Current projects include zero emission yard tractors, hybrid alternative fuel vehicle, hydraulic hybrid waste collection vehicle
- Next RFP early 2014

# PEV Readiness Plans

- DOE Community PEV Readiness Plan
  - 1 year grant for \$75,000
  - Statewide collaborative with Air Districts and Clean Cities Coalition
  - Completed January 2013
- CEC Regional PEV Readiness Plan
  - 2 year grant for \$200,000
  - Regional collaborative to further develop implementation plans
  - Plan to be completed March 2014
- Formation of the San Joaquin Valley Plug-In Electric Vehicle Coordinating Council

# PEV Readiness Plans

- Goals of the plans:
  - Understand current barriers to participation
  - Define policies for the development of EV charging infrastructure
  - Assist regional plans for the deployment of PEV's and electric vehicle supply equipment
  - Establish “best practices” for building and public works guidelines to help streamline permitting, installation, and inspection process



# San Joaquin Valley Plug-in Electric Vehicle Coordinating Council (SJV PEVCC)

✓ Grants from Calif. Energy Commission & U.S. Dept. of Energy funded formation of the SJV PEVCC

- Local Governments
- Public Agencies
- Utilities
- Industry and the Nonprofit Sector



✓ Purpose of PEVCC is to develop a regionally-accepted comprehensive **Plug-in Electric Vehicle (PEV) readiness plan**

- Plan identifies, reduces and resolves barriers to the widespread deployment of private and public PEV charging stations in the region
- Plan addresses barriers to PEV adoption through best practices and fact sheets



# Alternative Fuel Vehicle Training

- Program provides incentives and subsidies for the education of personnel on the mechanics, operation safety and maintenance of alternative fuel vehicles, equipment structures, refueling stations and tools involved in the implementation of alternative fuel emission reducing technologies
- Agencies can receive a maximum of \$15,000 per fiscal year

# Contact Information

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