

# GRANT WORKSHOP

SLO County Air Pollution Control District  
Central Coast Clean Cities Coalition

# AGENDA

- ▶ Welcome
- ▶ Engine Emission Reduction Program
  - ▶ Regulatory Update
  - ▶ Grant Funding Opportunities
    - ▶ On-Road Fleet Modernization
    - ▶ Off-Road Equipment Replacement
- ▶ AB 118- California Energy Commission
- ▶ AB 118- California Air Resources Board
- ▶ School Bus Replacement Program
- ▶ Old Car Buy Back Program and Agricultural Engines
- ▶ Questions
- ▶ Lunch and Networking

Please hold all questions until the end. Thank you!

# OVERVIEW

- ▶ APCD's Historic Grant Management
- ▶ Where do the \$s come from?
- ▶ Are the \$s secure and steady?
  
- ▶ So, why are the state and air districts interested in emission related grant programs?

# THE STATE, AIR DISTRICT & C5 GOALS

- ▶ Reduce health impacts from the air we breath
- ▶ Reduce dependency on petroleum
- ▶ Reduce greenhouse gas emissions
- ▶ Grant funds provide assistance to local operators in meeting the three goals identified above

# STATE'S REG. CHANGES

- ▶ In-use truck & bus regulation - (866-6DIESEL)
  - ▶ MHD - 14,001 to 26,000 lb GVWR
    - ▶ 2015 – start replacing equipment w/ 20 year old engines; or
    - ▶ If PM retrofit installed before 2014, delay truck's replacement until 2020
  - ▶ HHD - More than 26,000 lb GVWR
    - ▶ 1) Engine MY compliance schedule – no reporting
      - ▶ 2015 – start replacing equipment w/ 20 year old engines
    - ▶ 2) Phase-in option – Reporting starting 31 Jan 2012
      - ▶ Between 1 Jan 2012 & 1 Jan 2016, phase in PM filters on all trucks in fleet
      - ▶ 1 Jan 2020 all equipment needs to meet Engine MY compliance schedule

# STATE'S REG. CHANGES (cont.)

- ▶ In-use truck & bus regulation - (866-6DIESEL)

- ▶ Other Provisions

- ▶ By 31 Mar 2011

- Claim delay provisions for ag low use (2017) & specialty ag truck (2023)

- ▶ By 31 Jan 2012

- Claim delay provision for small fleet (1 to 3 trucks; 2014), NOx Exempt Area trucks, and low-mileage construction trucks

# ON-ROAD FLEET MODERNIZATION

## ▶ Eligibility

- ▶ MHD & HHD trucks with 2002 or older engines
- ▶ SLO County based business
  - ▶ Fleets w/ 3 or less trucks eligible until 1 Jan 2012
  - ▶ Fleets w/ 4 to 10 trucks - eligibility pending
  - ▶ NOx Exempt Area or Ag designated trucks – special eligibility pending

## ▶ Funding levels

- ▶ HHD - Up to \$60K for 2010; \$40K for used 2007 – 2009 compliant
- ▶ MHD - Up to \$40K for 2010; \$25K for used 2007 – 2009 compliant



# ON-ROAD FLEET MODERNIZATION

## ▶ Program Requirements

- ▶ Truck 19,500 GVWR or more
- ▶ 2 years ownership, CA registration & usage – possible exceptions
- ▶ Work with APCD-approved/partnering local dealership
- ▶ Submit complete application to APCD
- ▶ Approved projects must sign APCD contract – prior to new truck order
- ▶ Old truck to be scrapped at APCD-approved salvage yard
- ▶ Loans – Your lender or [www.arb.ca.gov/ba/loan/on-road/on-road.htm](http://www.arb.ca.gov/ba/loan/on-road/on-road.htm)



# SLO County APCD Contacts for: FLEET MOD/TRUCK REPLACEMENT

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[www.slocleanair.org/programs/moyer.php](http://www.slocleanair.org/programs/moyer.php)



# STATE'S REG. CHANGES

## ▶ Off-Road – (866-6DIESEL)

### ▶ 4 year delay for all fleets

- ▶ 1 Jan 2014 – Initial compliance date for Large fleets – more than 5,000 hp
- ▶ 1 Jan 2017 – For Medium fleets (2,501 – 5,000 hp)
- ▶ 1 Jan 2019 – For Small fleets (2,500 hp or less)



# STATE'S REG. CHANGES (cont.)

## ▶ New Provisions

- ▶ Simplified fleet average index – fleet's overall emission rate
- ▶ Annual fleet clean up schedule reduced to 5 to 10% per year
- ▶ Compliance through turnover & exhaust retrofits
  - ▶ Retrofits are not mandatory, but could be lowest cost compliance option
- ▶ Low use threshold now 200 hours, up from 100
- ▶ Fleets under 500 hp – can comply by phasing out oldest equipment by 2019

## ▶ Other Information

- ▶ Reporting, labeling, sale disclosures, and idling limits still in effect

# OFF-ROAD EQUIPMENT REPLACEMENT

## ▶ Eligibility

- ▶ Participants must have a physical address in SLO County
- ▶ 75% of equipment operation must be in California
- ▶ Old equipment must be registered in the State's DOORS portal

## ▶ Funding levels

- ▶ Up to 80% of eligible costs for a new piece of equipment
- ▶ Up to 100% of eligible costs for VDECS
- ▶ Maximum award of \$150,000 per applicant per calendar year

# OFF-ROAD EQUIPMENT REPLACEMENT

## ▶ Program Requirements

- ▶ 24 months of historical equipment usage
- ▶ Replacement of construction equipment OR farm equipment powered by a Tier 0, Tier 1, or Tier 2 CI or LSI engine
- ▶ Work w/ APCD-approved local dealership
- ▶ Submit complete application to APCD
- ▶ Approved projects must sign APCD contract - Prior to new equipment order
- ▶ Old equipment to be scrapped at APCD-approved salvage yard
- ▶ Loans – Your lender or [www.arb.ca.gov/ba/loan/off-road/off-road.htm](http://www.arb.ca.gov/ba/loan/off-road/off-road.htm)

# SLO County APCD Contacts for: OFF ROAD EQUIPMENT REPLACEMENT

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[www.slocleanair.org/programs/moyer.php](http://www.slocleanair.org/programs/moyer.php)



# CALIFORNIA ENERGY COMMISSION

## AB 118

### ▶ Program Objectives

- ▶ Petroleum Reduction
- ▶ GHG Reduction
- ▶ Alternative & Renewable Fuels
- ▶ In-State Biofuel Production

# CALIFORNIA ENERGY COMMISSION

## AB 118

Project	Activity	Allocation for FY 2010-2011
Battery Electric Drive	Develop vehicles & infrastructure	\$24.5 million
Hydrogen Electric Drive	Fueling infrastructure	\$13 million
Gasoline Substitutes	Expansion of E-85 dispenser and retail outlets	\$16.5 million
Diesel Substitutes	Diesel substitutes production; bulk terminal storage and blending	\$9 million
Natural Gas	LD, MD and HD vehicles & fueling station upgrades	\$22 million
Propane	LD, MD and HD vehicles	\$3 million
Innovative Technologies & Advanced Fuels	Innovative technologies	\$8 million
Market & Program Development	Workforce training	\$12 million
	<b>Grand Total</b>	<b>\$108 million</b>

# CALIFORNIA ENERGY COMMISSION

## AB 118

- ▶ For More Information:

- ▶ Email [AB118@energy.state.ca.us](mailto:AB118@energy.state.ca.us)

- ▶ Visit [www.energy.ca.gov/contracts/transportation.htm](http://www.energy.ca.gov/contracts/transportation.htm)

- ▶ Contact Leslie Baroody at (916) 654-4417 or Charles Smith at (916) 654-4770

# AIR RESOURCES BOARD - AB 118

## AIR QUALITY IMPROVEMENT PROGRAM

### Projects Proposed for AQIP Funding in FY 2010-2011

Project Category	Allocation (in \$ millions)	% of total AQIP budget
Hybrid Truck and Bus Voucher Incentive Program (HVIP)	Up to 25	62.5%
Clean Vehicle Rebate Project (CVRP)	Up to 5	12.5%
Lawn & Garden Eq. Replacement (LGER)	Up to 1	2.5%
Zero-Emission Ag Utility Terrain Vehicle (UTV)	Up to 0.5	1.2%
Off-Road Hybrid Technology Project	Up to 3	7.5%
Demonstration Projects	UP to 5.5	13.7%
<b>Total</b>	<b>\$40 million</b>	<b>100%</b>

# AIR RESOURCES BOARD - AB 118 CLEAN VEHICLE REBATE



# AIR RESOURCES BOARD - AB 118 CLEAN VEHICLE REBATE

- ▶ Funding Target: Up to \$5 million
- ▶ Eligible vehicles:
  - ▶ Zero Emission Vehicles (ZEV)
  - ▶ Plug-in Hybrid Electric Vehicles (PHEV)
  - ▶ Neighborhood Electric Vehicles (NEV)
  - ▶ Zero Emission Motorcycles (ZEM)
  - ▶ Commercial Zero Emission Vehicles (CZEV)

# AIR RESOURCES BOARD - AB 118 CLEAN VEHICLE REBATE (CVRP)

- ▶ How to Apply:
  - ▶ Vehicle rebate can be reserved on the date of, NOT prior to, vehicle purchase.
  - ▶ Visit CVRP website to confirm a reservation, select the vehicle purchase and fill out the online application.
  - ▶ Once the application is complete, an e-mail will be sent to the applicant stating the required supporting documents that need to be mailed in along with the signed application.
  - ▶ Visit website for more details:  
<https://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project>

# AIR RESOURCES BOARD - AB 118 ZERO EMISSION AG UTV REBATE



# AIR RESOURCES BOARD - AB 118 ZERO EMISSION AG UTV REBATE

- ▶ Funding Target: Up to \$990,000
- ▶ Eligibility:
  - ▶ Rebate for agricultural operations – see definition
  - ▶ Provides 25% of the MSRP for zero-emission all terrain vehicles and utility vehicles
  - ▶ Vehicle list and rebate amount at:  
[http://www.valleyair.org/Grant\\_Programs/UTV/UTVWeb.htm](http://www.valleyair.org/Grant_Programs/UTV/UTVWeb.htm)

# AIR RESOURCES BOARD - AB 118 ZERO EMISSION AG UTV REBATE

- ▶ How to Apply:
  - ▶ Submit following documentation
    - ▶ Rebate Application
    - ▶ Copy of vehicle invoice or purchase agreement
    - ▶ Current utility bill
    - ▶ Applicant certification form with IRS Form W-9
    - ▶ Claim for payment form
  - ▶ Approved applicants will receive rebate check in single allotment
  - ▶ Visit website for more details:  
[http://www.valleyair.org/Grant\\_Programs/UTV/UTVWeb.htm](http://www.valleyair.org/Grant_Programs/UTV/UTVWeb.htm)

# AIR RESOURCES BOARD - AB 118 HYBRID TRUCK & BUS



# SCHOOL BUS REPLACEMENT PROGRAM - AB 923



- ▶ AB 923 School Bus Replacement Program
- ▶ Funding Available: \$700,000
- ▶ RFP to be released in late spring
- ▶ Eligible buses 1977-1993 engine model year
- ▶ Maximum Funding - \$140,000
- ▶ Contact Info: Melissa Guise – 805-781-4667

# OLD CAR BUY BACK

- ▶ \$800 paid to eligible vehicle owners to retire their vehicle
- ▶ Cars, light trucks, vans 1992 and older
- ▶ Information: 800-717-7624



# AGRICULTURAL IRRIGATION ENGINES

- ▶ Tier 1 and Tier 2 diesels are eligible for repower
- ▶ Most Tier 0 engines are no longer eligible due to compliance deadlines
- ▶ Engines with Remote Exemption are currently eligible for repower
- ▶ All engines in San Luis Obispo County will be losing their Remote Exemption

# QUESTIONS?

## ▶ APCD contact info:

- ▶ 805-781-5912
- ▶ [www.slcleanair.org/grants](http://www.slcleanair.org/grants)

## ▶ ARB contact info:

- ▶ 866-6DIESEL
- ▶ [www.arb.ca.gov](http://www.arb.ca.gov)
- ▶ AB 118:  
[www.arb.ca.gov/msprog/aqip/aqip.htm](http://www.arb.ca.gov/msprog/aqip/aqip.htm)

## ▶ C5 contact info:

- ▶ 805-305-5497
- ▶ [www.c-5.org](http://www.c-5.org)

## ▶ CEC contact info:

- ▶ Leslie Baroodly at  
916-654-4417
- ▶ [www.energy.ca.gov/contracts/transportation.htm](http://www.energy.ca.gov/contracts/transportation.htm)