

# San Diego County APCD Grant Program

San Diego County Air Pollution Control District

8/27/2019



# Background

- San Diego County APCD (APCD) has provided millions of dollars in incentive grant funding for mobilesource emission reduction projects
- Funding sources include local, state, and federal programs

# Why should you apply for our grants?

- By cleaning up the air, NO<sub>x</sub>, ROG and PM emissions will be reduced – improving air quality and public health for children, the elderly, and those that work or play outside.
- Program accelerates the deployment of cleaner technologies.
- Program provides new, cleaner equipment at a reduced cost.

# Overview: Incentive Programs

- Provides funding to encourage the **voluntary** purchase of cleaner than required engines, equipment, and emission reduction technologies.
- The programs fund emission reductions that are **surplus**, which means that they are early and in excess to the requirements of any applicable state or federal regulations.

# Overview: Incentive Programs

- Projects must meet program cost-effectiveness limits (\$30,000 to \$100,000 per ton, depending on project and program)
- Technology must be certified or verified by CARB
- Existing equipment scrapped to ensure emission reductions
- Run 75% in CA, 50% in SD County (except marine vessels)

# Overview: Incentive Programs

- San Diego County APCD incentive programs of interest:
  - Carl Moyer Program (CMP or Moyer)
  - Funding Agricultural Replacement Measures for Emission Reductions (FARMER)
  - Community Air Protection Program (CAPP)
- Total funding from all programs this cycle:
  - \$28.5 Million

# Overview: Incentive Programs

- Carl Moyer Program
  - On-road heavy duty trucks
  - Off-road vehicles and equipment
  - Alternative fuel/electric infrastructure
  - Agricultural (irrigation pump engines included)
  - Marine
  - Locomotive
  - School Bus



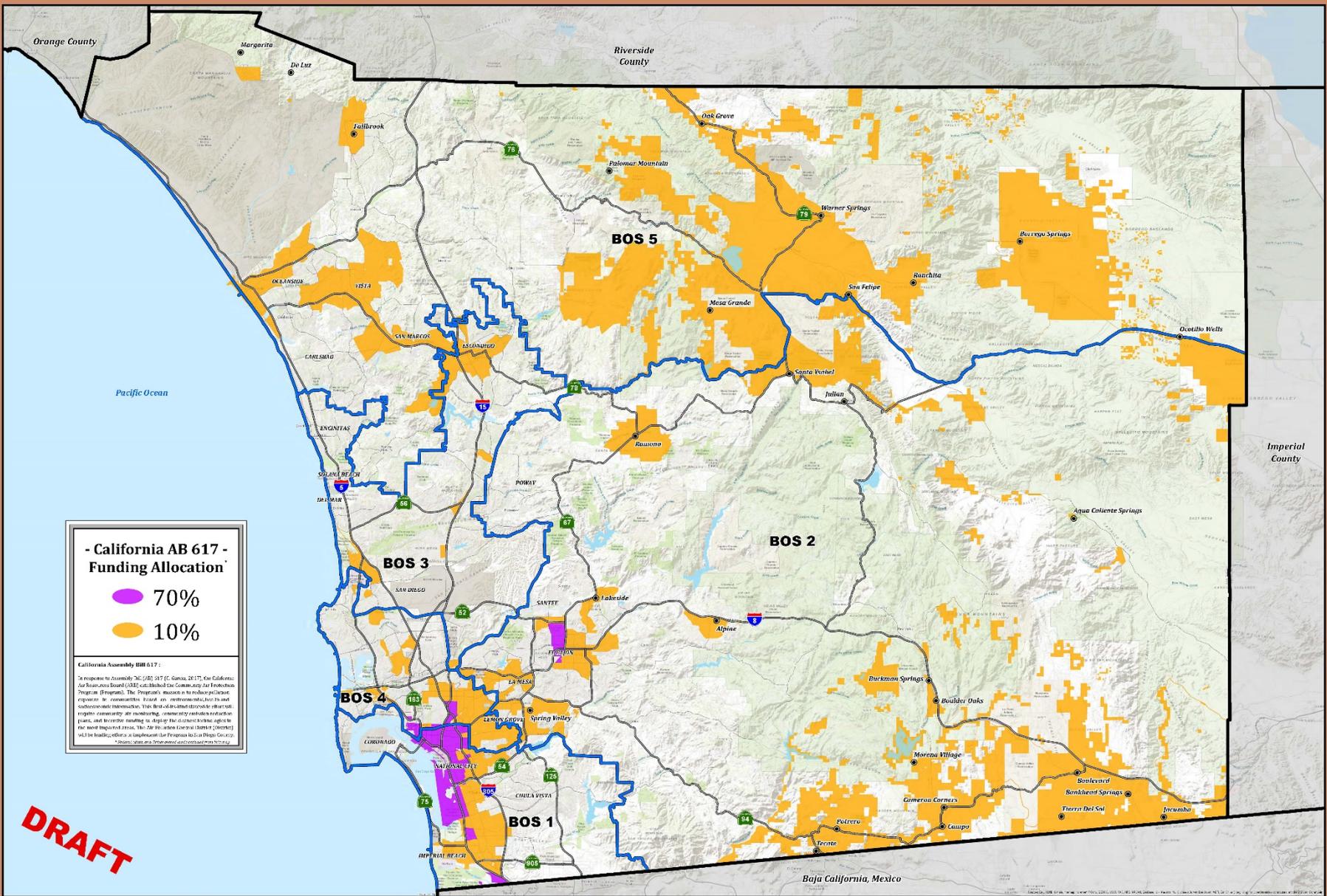
# Overview: Incentive Programs

- Funding Agricultural Replacement Measures for Emission Reductions (FARMER)
  - Off-road equipment – including electric Utility Terrain Vehicles (UTV)
  - Alternative fuel/electric infrastructure
  - Irrigation pump electrification



# Overview: Incentive Programs

- Community Air Protection Program (CAPP)
  - Off-road
  - Alternative fuel/electric infrastructure
  - Marine
  - Locomotive
  - On-road heavy-duty trucks (goods movement-related)
  - Stationary source
  - Schools
- Focus on Disadvantaged Communities



**- California AB 617 - Funding Allocation**

- 70%
- 10%

California Assembly Bill 617:  
 A resolution to Assembly Bill 617 (S.B. 617), the California Air Resources Board (CARB) California Clean Communities Program (Program). The Program's mission is to reduce air pollution exposure to communities through air quality investments and outdoor air investments. This bill is intended to provide a financial incentive to communities that are implementing air quality investments, such as tree planting, and to provide funding to support the cost of such investments. The bill is intended to provide funding to support the cost of such investments. The bill is intended to provide funding to support the cost of such investments.

**DRAFT**

**Legend**

- Disadvantaged Communities
- Low-Income Communities
- Board of Supervisors Districts
- Unincorporated Communities

**State-Identified Environmental Justice Areas**

# Three Programs, One Application

Apply through our  
online portal –

<https://publicservices.sdcounty.ca.gov/citizenaccess/>

The screenshot shows the San Diego County Citizen Access Portal. At the top, there is a dark blue header with the San Diego County seal and the text "SanDiegoCounty.gov". Below the header, there are navigation links for "Announcements", "Register for an Account", and "Login". A search bar is located on the right side of the header. Below the header, there is a navigation menu with buttons for "Home", "APCD", "AWM", "DEH", "DPW", and "PDS". The main content area is titled "Welcome to the County of San Diego's online Citizen Access Portal" and lists the system's capabilities: researching public information, submitting applications, tracking application status, and making secure online payments. A "Login" section on the right contains fields for "User Name or E-mail:" and "Password:", a "Login »" button, and a "Remember me on this computer" checkbox. Below the login section, there are links for "I've forgotten my password" and "New Users: Register for an Account". The main content area is divided into a grid of service categories: "General Information" (Lookup Property Information), "APCD" (Get Air Quality Service, Gas Station Tests, Breakdown Notifications, Asbestos Notification, Search APCD Records, Apply for an Air Quality Grant), "DEH" (Create an Application, Search Applications), "AWM" (Search Applications), "DPW" (Apply for Record, Stormwater Complaints, Roads Service Request, Search Records), and "PDS" (Apply for a Record, Search Records). A "Land Use and Environment Group Departments:" section on the right lists APCD, AWM, DEH, DPW, and PDS with their respective descriptions.

SanDiegoCounty.gov

Announcements | Register for an Account | Login

Search...

Home APCD AWM DEH DPW PDS

**Welcome to the County of San Diego's online Citizen Access Portal**

This system will enable residents of San Diego County to:

1. Research public information.
2. Submit an application (some departments require registration and login to submit an application).
3. View and track the status of your application.
4. Make secure online payments.

Some services will require you to register for an account.

**What would you like to do today?**

To get started, select one of the services listed below:

<b>General Information</b> <a href="#">Lookup Property Information</a>	<b>APCD</b> <a href="#">Get Air Quality Service (Permit Applications, Gas Station Tests, Breakdown Notifications, Asbestos Notification)</a> <a href="#">Search APCD Records</a> <a href="#">Apply for an Air Quality Grant</a>
<b>DEH</b> <a href="#">Create an Application</a> <a href="#">Search Applications</a>	<b>AWM</b> <a href="#">Search Applications</a>
<b>DPW</b> <a href="#">Apply for Record: (Recycling Permits, Stormwater Complaints, Roads Service Request)</a> <a href="#">Search Records</a>	<b>PDS</b> <a href="#">Apply for a Record</a> <a href="#">Search Records</a>

**Login**

User Name or E-mail:

Password:

Remember me on this computer

[I've forgotten my password](#)  
[New Users: Register for an Account](#)

**Land Use and Environment Group Departments:**

APCD - Air Pollution Control District  
AWM - Agriculture Weights and Measures  
DEH - Department of Environmental Health  
DPW - Department of Public Works  
PDS - Planning & Development Services

# What You Will Need To Apply

## - Basics

- **Existing equipment information:** make, model, serial number model year, DOORS ID (except for equipment used solely for agricultural operations)
- **Existing engine information:** make, model, serial number, tier, engine year, family name
- **Activity information:** documentation of hours used per year, % operation in CA, % operation in San Diego County
- **New engine/equipment information:** make, model, serial number, tier/certification/family, CARB Executive Order
- **Funding information:** Cost of new equipment – quote from dealer

# Grant Process

1. Submit application
2. Application is reviewed by APCD staff, including pre-inspection of existing engine/equipment
3. Most complete and eligible projects will be ranked based on cost-effectiveness and EJ/CAPP Community status
4. If project is approved by APCD, contract between applicant and APCD



Continued...

# Grant Process con't

5. Once contract is signed by both parties and given a contract number, work can begin on project.
6. Contractor scraps and replaces old equipment
7. APCD inspects scrapped equipment and new equipment.
8. Once project complete, applicant submits invoice and receipts for reimbursement by APCD.
9. APCD confirms project is complete and fulfills requirements of contract.
10. Applicant is reimbursed.
11. Applicant submits yearly status reports for length of contract.



## Evaluation Criteria

- Disadvantaged and low-income communities – Moyer at least 50% of funds, CAPP at least 70%
- Prioritize zero-emission equipment
- Cost-effectiveness ranking

# Specific Equipment and Program Requirements

# Off-Road Eligibility

- Eligibility is dependent on fleet size and regulatory compliance –
  - Ag equipment and small fleets still eligible for diesel (Tier 4 final).
  - Large and medium non-ag fleets eligible for diesel replacement only if compliant with 2023 requirements.
  - Everybody ok for zero-emission.



# Off-Road

## What You Will Need To Apply

### **For Equipment Replacement Projects:**

- Ownership records for Replacement Projects:

- Bill of sale and

Two years of documentation of one item below:

- Insurance record for equipment
- Tax depreciation logs
- Property tax records
- Bank appraisals for equipment
- Maintenance/service records
- General ledgers
- Fuel records for equipment that identify the equipment owner



# FARMER:

## Off-Road Agricultural Equipment

In addition to projects applicable in the Carl Moyer Program:

- UTV Replacement
  - Baseline UTVs must have:
    - Towing capacity of 500 lbs or greater
    - Total vehicle weight of 700 lbs or greater
    - Gas or diesel engine.
  - New UTV must be electric
  - With a drive train warranty
  - FARMER may fund up to 75% of eligible costs



# Marine Engine Repower

- Eligibility
  - Existing engines
    - 25 hp (19 kW) or greater
  - In compliance with Commercial Harbor Craft Regulation (if applicable)
  - New engines must be Tier 3 or Tier 4 diesel marine engine



# Locomotive Projects

- Eligible Project Types
  - Locomotive Replacement
  - Locomotive Engine Repower
  - Head End Power Unit (HEP) Repower



# Infrastructure

- Eligibility:
  - Project must support equipment or vehicles covered under the 2017 Moyer Guidelines
- Applicable Projects
  - Non-residential charging and alternative fueling stations (Hydrogen, Natural Gas)
  - Stationary irrigation agricultural pump electrification
  - Shore power (Shore-side electrification)

# Infrastructure

- Documents for Application:
  - Quotes and bids along with bid selection process
  - Permits obtained
  - Land ownership/lease agreement
  - Documentation that sufficient power or fuel is being provided to the site
  - Project timeline/schedule/plan
  - “Initial Terminal Plan”
    - For shore power projects
  - Detailed project description

# Community Air Protection Program (CAPP): School or Stationary Projects

- New this year
  - Stationary sources of air pollution (case by case)
  - School projects in CAPP communities
    - Air Filtration
    - Composite Wood Furniture
    - Lawn and Garden Equipment

# CAPP:

## School or Stationary Projects

- Stationary sources
  - Must be approved by Air Resources Board in case-by-case determination – may affect project timelines

# CAPP: School

- Schools
  - Zero –emission lawn and garden equipment – up to 70% of purchase price
  - Composite wood products – 90 or 100% of incremental cost of purchase, depending on type.
  - Air Filtration – to be determined

# CAPP:

## On-Road Projects

- Eligibility (Similar to Moyer and Prop 1B/GMERP)
  - Compliant with applicable ARB rules (Truck & Bus, Drayage)
  - Proof of vehicle ownership and CA registration for the past 2 years

# CAPP:

## On-Road Projects

- Eligibility (Similar to Prop 1B/GMERP)
  - Operate at least 75% in CA for the past 2 years
    - Operate in CAPP-related communities

# VIP – the other On-Road Program:

- Eligibility
  - Diesel Fleets of 1 – 10 vehicles
    - Class 4 through 8 (14,001 lbs GVWR and above)
    - Existing engine model year 2009 or older
  - Compliant with ARB Truck & Bus Rule
  - Operate at least 75% in CA for the past 2 years
    - Company must be located in San Diego County
  - Proof of vehicle ownership and CA registration for the past 2 years

# Voucher Incentive Program (VIP) Process

1. Contact one of our partnered truck dealerships
2. The dealership will submit an application on your behalf
3. Application is reviewed by APCD staff (first-come, first-served)
4. If application is complete and project eligible, voucher issued to applicant
5. Applicant buys truck from dealer using voucher



# Action Items For All Programs - What You Need To Do Now

1. Sign-up for APCD email listserv to be notified when future funding opportunities are available
2. Gather usage documentation for the past 24 months (*hour meter records, usage, mileage, etc.*)
3. Gather records showing CA and SD operation for the past 24 months (*work tickets, daily logs, etc.*)

# Action Items - What You Need To Do Now

4. Gather vehicle/engine information (*model numbers, serial numbers, horsepower, engine families, etc.*)
5. Ensure your engines and equipment have clean legible labels
6. Meet with vendors or dealers about proposed new equipment
7. **Apply!**

**Applications due Sept. 20,  
2019. 5:00 p.m.**

# Want to find out more?

- Sign-up for APCD email listserv to be notified when funding opportunities are available



Go to:

<https://service.govdelivery.com/accounts/CASAND/subscribe/new> and subscribe to under Air Quality -  
**“Air Quality - Grants and Incentives”**

# Useful Links

- SD APCD Grants & Incentives Page
  - <https://www.sdapcd.org/content/sdc/apcd/en/grants-and-incentives/carl-moyer-program.html>

The screenshot displays the website for the Air Pollution Control District. The header includes the district's name and a navigation menu with options: I WANT TO..., GRANTS, CITIZEN & BUSINESS, PERMITS, PROGRAMS, and HELP. The main content area is titled "Grants and Incentives" and contains text explaining the district's role in administering state and local funding programs to reduce emissions from mobile sources. It also mentions that these programs follow strict state guidelines and require strict accountability and transparency. A call to action encourages users to subscribe to the newsletter for the latest news. A prominent orange banner reads "OFF-ROAD EQUIPMENT GRANTS" with an image of a yellow bulldozer. Below this, a blue banner says "\*\* Prepare for the next solicitation! \*\*". The page lists "Programs Accepting Applications" (None), "Programs Accepting Applications Soon" (Carl Moyer Program, Voucher Incentive Program (VIP)), and "Programs Not Accepting Applications". The right sidebar features the APCD logo, social media icons, a "Click! to SCHEDULE" button, and a "Popular Services" menu with links like "Learn the Basics", "Check Application Status", and "Submit Annual Status Report".

# Useful Links

- **California Air Resources Board**
  - Carl Moyer Program
    - <http://www.arb.ca.gov/msprog/moyer/moyer.htm>
  - Off Road Diesel Regulation
    - <http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm>
  - The Off-Road Zone
    - <https://www.arb.ca.gov/msprog/offroadzone/offroadzone.htm>
    - DOORS Hotline Number: 877-593-6677
  - The Truck Stop
    - <http://www.arb.ca.gov/msprog/truckstop/truckstop.htm>
    - Diesel Hotline Number: 866-634-3735

The screenshot shows the California Air Resources Board (ARB) website. The main heading is "Carl Moyer Memorial Air Quality Standards Attainment Program". Below the heading is a photograph of a large yellow off-road vehicle, possibly a bulldozer or excavator, in a dusty environment. To the left of the main content is a sidebar with "UP LINKS" and "PROGRAM LINKS". The "UP LINKS" section includes links for Business Assistance, Reducing Air Pollution - ARB Programs, Diesel Program, Mobile Sources, and Carl Moyer Home Page. The "PROGRAM LINKS" section includes links for How to Apply for a Grant, Guidelines, 2017 Guideline Update Information, Administrative Forms, Archives, Case-By-Case Determinations, Community Air Protection Funds, History, Incentive Program Oversight, Incentive Programs Advisory Group, Incentive Resources, Mail-Outs, and Workshops / Meetings. The main content area contains text describing the program and its goals, along with a call to action for more information.

Wednesday, June 6, 2018

**UP LINKS**

- Business Assistance
  - Incentives Programs
- Reducing Air Pollution - ARB Programs
  - Diesel Program
    - Mobile Vehicles and Equipment
  - Mobile Sources
    - Vehicle / Equipment Operators
    - Carl Moyer Home Page**

**PROGRAM LINKS**

- How to Apply for a Grant
- Guidelines
  - Source Categories
- 2017 Guideline Update Information
- Administrative Forms
- Archives
- Case-By-Case Determinations
- Community Air Protection Funds
- History
  - Legislation
- Incentive Program Oversight
- Incentive Programs Advisory Group
- Incentive Resources
- Mail-Outs
- Workshops / Meetings

**Carl Moyer Memorial Air Quality Standards Attainment Program**

*This page last reviewed March 26, 2018*

The Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program) provides grant funding for cleaner-than-required engines and equipment. Local air districts administer these grants and select which projects to fund. ARB works collaboratively with the districts and other stakeholders to set Guidelines and ensure the Program reduces pollution and provides cleaner air for Californians. The Carl Moyer Program achieves reductions in emissions of key pollutants which are necessary for California to meet its clean air commitments under regulatory requirements. Eligible projects include cleaner on-road trucks, school and transit buses, off-road equipment, marine vessels, locomotives, agricultural equipment, light duty vehicle scrap, and lawn mowers.

New funds are now available to reduce emissions in the communities most affected by air pollution. Community Air Protection (CAP) grants, implemented by air districts through the Carl Moyer Program, will provide new solutions to local pollution. CAP grants reduce the public health impacts of mobile source engines as an early, important step to implement Assembly Bill 617. Click below for more information.

For more information regarding the Carl Moyer Program, please email us or contact ARB's Diesel Hotline.

# Incentives Program Contacts

- **Robert Mercado**, *se habla español*  
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