

# San Bernardino Clean Communities Pilot Project

*Working Together to  
Build Cleaner Communities*

**October 12, 2011**



# San Bernardino Work Plan Structure



# Update on Technology, Funding, Projects, and Showcase



Technology,  
Funding,  
Projects,  
and  
Showcase

- Air filtration systems
  - Contracts are completed
  - Reuben Campos Community Center
    - ❖ AQMD and CCAEJ met with Mayor's representative
    - ❖ IQ Air assessment scheduled for October 18
    - ❖ Project to begin late 2011 or early 2012
  - School Projects
    - ❖ Jurupa High School to begin December 2011
    - ❖ AQMD and CCAEJ working with school district on other sites

# Update on Technology, Funding, Projects, and Showcase

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Technology,  
Funding,  
Projects,  
and  
Showcase

- UPS Truck Replacement Project
  - Contract has been executed
  - Schedule
    - ❖ Deploy first 5 electric trucks in February 2012
    - ❖ Deploy 10 electric trucks in March 2012
    - ❖ Deploy 10 electric trucks in April 2012
    - ❖ Deploy 15 electric trucks in May 2012

# Update on Technology, Funding, Projects, and Showcase



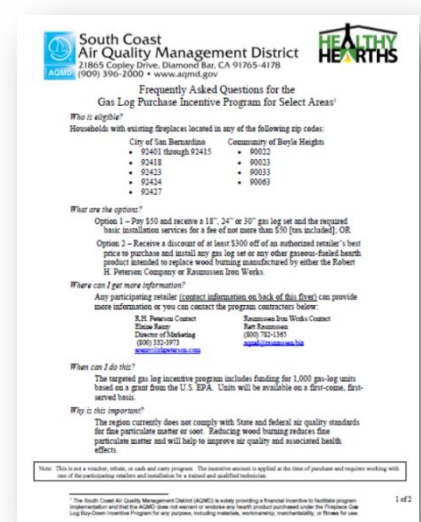
Technology,  
Funding,  
Projects,  
and  
Showcase

- Building Capacity to Reduce Children's Environmental Exposures In Child-Occupied Settings
  - AQMD applied for EPA grant in February 2011 but did not receive funding
    - ❖ EPA received 263 applications and was able to fund only 13 projects
  - Additional grant money will potentially be available in the future for the program
    - ❖ Need to reapply

# Update on Technology, Funding, Projects, and Showcase



- Targeted Air Shed Grant Incentive Programs
  - Gas log fireplace incentive program
    - ❖ Flyer on AQMD web page
    - ❖ <http://www.aqmd.gov/aqmp/CCP/Document/GASLOGFAQ.pdf>
    - ❖ Distributed flyer to City of SB
    - ❖ Contractors will do mass mailing to residents in affected areas



# Update on Technology, Funding, Projects, and Showcase



Technology,  
Funding,  
Projects,  
and  
Showcase

## ■ Targeted Air Shed Grant Incentive Programs

### ■ Architectural Coatings

- ❖ San Bernardino City Beautification Project
- ❖ AQMD donated 75 gallons (~\$3000) of super-compliant paint (<10 g/l VOC)
- ❖ Painted over graffiti on buildings & city picnic tables



### ■ Other VOC Projects

- ❖ Brake cleaning, targeted laser painting system
- ❖ MOAs w/ City on November AQMD Board meeting agenda



# Update on Technology, Funding, Projects, and Showcase



Technology,  
Funding,  
Projects,  
and  
Showcase

- Boiler Retrofits
  - No non-profit projects within city of San Bernardino were identified
    - ❖ Many buildings use geothermal heat
    - ❖ Other boilers not large enough
  - 2 potential locations identified in San Bernardino County
  - Currently evaluating other potential locations in city or county of San Bernardino



# Update on Education and Outreach



Education  
and  
Outreach

- AQMD Clean Air Connections webpage
  - Up and running
    - ❖ [http://www.aqmd.gov/ej/cac/Clean\\_Air\\_Congress.htm](http://www.aqmd.gov/ej/cac/Clean_Air_Congress.htm)



# Update on Education and Outreach



Education  
and  
Outreach

- Contract to update curriculum currently offered at Long Beach City College
  - Servicing of most prevalent natural gas engine - Cummins Westport ISL G
- Curriculum materials
  - AQMD will own materials after development and make available
- ATTE will be offering “Train the Trainer” session
  - Within 3 to 4 months
  - Personnel from around area will be invited to attend session

ADVANCED TRANSPORTATION  
TECHNOLOGY CENTER



ALTERNATIVE FUELS  
TRAINING PROGRAM

# Update on Education and Outreach



Education  
and  
Outreach

- Course Outline for Alternative Fuels Conversion, Diagnosis & Repair
  - Safety-General Automotive and Natural Gas as a Fuel
  - Overview
  - Cylinders and fuel delivery systems designs
  - Regulations
  - Automotive Electrical Systems – Overview
  - Fuel Control Systems
  - Natural Gas Control Systems – Industry wide
  - Diagnostic Tools
  - Tanks and Fuel Delivery Systems Installation



# Priority Ranking Matrix

- 3 Working Group members responded to survey
- Need more data

**Priority Ranking for Identified Issues of the CCP San Bernardino Pilot Study**

<i>Assign each issue a value of 1-5 (low to high) for each criterion listed.</i>	Overall Magnitude of Issue	Value to Community	Long Term Benefits	Short Term Benefits	Jobs & Economic Improvement in Community	Partnership Opportunities	Reproducibility of Program or Project in Other Communities
Unpermitted Facilities (Auto Body Case Study)							
BNSF Rail Yard (Diesel exposure from trucks and locomotives)							
Warehouses and Distribution Centers (Proximity to Residential)							
Omnitrans (Risk of upset and SBX expansion project)							
Concrete Ready Mix Operation (Dust near High School)							
Rendering Operation (Odors)							
Freeway Expansion & Construction (Traffic, construction, and proximity to residents)							
Lack of Green Space, Bike Paths, Centralized Shopping							

During August 2011 Working Group meeting, stakeholders identified several additional criteria for evaluating issues, including cost to implement, feasibility of implementation, readiness to begin implementation and time to complete implementation. However, due to lack of specificity regarding study issues under consideration and the implementation approach, these evaluation criteria are not included.

# One-Stop Permitting Brochure for Auto Body Shops

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- Potential Topics Addressed
  - Business Registration Certificate (City)
    - ❖ Conditional Use Permit (CUP) typical
  - Registration with the Bureau of Auto Repairs (BAR).
  - Wastewater discharge requirements
  - Hazardous Waste ID Number (DTSC)
  - Comply with OSHA requirements (including fire)
  - AQMD Permitting requirements

# Next Steps

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- Next meeting – December 14, 2011
  - Dept. of Homeless Services,  
1950 S. Sunwest Lane  
San Bernardino, CA 92408
  - Conference Room VaiSa
    - ❖ Next door to Agasga