

San Bernardino Clean Communities Pilot Project

*Working Together to
Build Cleaner Communities*

February 15, 2012



San Bernardino Work Plan Structure



Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- Air filtration systems
 - Ruben Campos Community Center
 - ❖ San Bernardino City Council approved project 11/7
 - ❖ Site assessment completed
 - ❖ Installation pending
 - Jurupa High School
 - ❖ Project to be concurrent with HVAC system upgrade
 - ❖ IQ Air to install filters
 - ❖ Installation completed during holidays
 - San Bernardino City USD Projects
 - ❖ School district will select two schools from among four possible sites

Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- UPS Truck Replacement Project
 - Contract executed in September 2011
 - Replacement of 40 diesel trucks with electric trucks
 - Currently upgrading electrical infrastructure
 - ❖ Existing electrical infrastructure not sufficient to charge 40 trucks
 - ❖ Older facility, needs new wiring, transformers
 - Delivery of new electric trucks delayed until August

Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- MOAs for three VOC Programs for San Bernardino approved by:
 - San Bernardino City Council at November 2011 board meeting
 - AQMD at December 2011 board meeting
- Three VOC Programs
 - Green Cleaner Program
 - ❖ Schools, daycare centers, government entities eligible
 - ❖ Up to \$100 per “green” dilution system incentive
 - Super-Compliant Paint Program
 - ❖ Non-profits, schools, government buildings eligible
 - ❖ Up to \$12/gal incentive to switch to <10 g/liter VOC
 - Vehicle Repair Shop Brake Cleaning Program
 - ❖ Vehicle maintenance shops eligible
 - ❖ Up to \$500 to replace solvent aerosol cans with qualifying aqueous cleaning system

Update on Technology, Funding, Projects, and Showcase



Technology,
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and
Showcase

- Other VOC Project Updates
 - University of Northern Iowa signed MOA for Targeted Spray Coating Project
 - AQMD working on outreach materials for Targeted Spray Coating Project and Aqueous Brake Cleaning Systems

Update on Technology, Funding, Projects, and Showcase



Technology,
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and
Showcase

- Boiler Retrofits
 - San Bernardino County Board approved project at 11/15/11 Board Meeting
 - Proposal received from County of San Bernardino
 - ❖ Currently under review by AQMD
 - Project would replace one boiler at the San Bernardino Central Plant

Update on Education and Outreach



Education
and
Outreach

- AQMD Clean Air Connections webpage
 - Convenient one-click linking
 - New “Ask AQMD” button
 - http://www.aqmd.gov/ej/cac/Clean_Air_Congress.htm



Update on Education and Outreach



Education
and
Outreach



Clean Air Connections-
Ask AQMD!



Ask AQMD is an online general air quality inquiry forum. If you have questions about filing a permit or have a general compliance issue, please send an email and make sure to include your contact information and ask your question in the e-mail. To make an air quality complaint, please visit [Reporting Air Quality Problems](#) or call 1-800-CUT-SMOG® (1-800-288-7664).

Email to: askaqmd@aqmd.gov



Join



Home



Take Action

Update on Education and Outreach



Education
and
Outreach

- Curriculum for local trade/technical schools servicing natural gas engines
 - Developed/updated by Long Beach City College
 - SCAQMD owns curriculum materials
- “Train the trainer” session held January 2012 at Long Beach City College
 - Three part program
 - ❖ Attendees received certificate after completion
 - 17 attendees representing 13 colleges & organizations
 - ❖ Omnitrans
 - San Bernardino Valley College (SBVC) was invited but did not attend
 - Another “Train the Trainer” session possible



Priority Ranking for Issues Identified by Working Group

Topic	Survey Respondent					Average Ranking	Overall Priority Ranking (1-High, 8-Low)
	#1	#2	#3	#4	#5		
BNSF Rail Yard - Exposure to DPM emissions from trucks, trains, and rail yard equipment	2	1	2	1	1	1.4	1
Omnitrans - Risk of upset at CNG fueling facility expansion (SBX Project)	5	4	5	2	2	3.6	2
Concrete Ready Mix Operation - Dust impacts at Arroyo Valley High School	7	1	4	3	4	3.8	3
Warehouses and Distribution Centers - Exposure to emissions from trucks associated with warehouses in close proximity to residences	2	4	3	6	5	4.0	4
Unpermitted Facilities - Auto Body Shop Case Study - Bringing unpermitted facilities into regulatory compliance	2	6	6	4	3	4.2	5
Freeway Expansion & Construction - Impacts to nearby residents during construction and operation	1	3	8	8	7	5.4	6
Lack of Green Space, Bike Paths, Centralized Shopping - Higher VMT & emissions from lack of green spaces, bike paths, and shopping	8	7	1	5	8	5.8	7
Rendering Plant - Odors from Co-West Commodities (1389 W. Mill Street near railyard)	5	8	7	7	6	6.6	8

Work Plan Development

- Develop a Work Plan for each study issue
- Information/data gathering
 - Site visits
 - Status of current and planned activities
- Clearly define air quality-related issue
- Develop solution paths
 - Emission reduction strategies
 - Funding opportunities
 - Partnerships
 - Monitoring
 - Outreach
 - Other?

Next Steps

- Develop work plan for addressing study issues
- Next meeting – April 2012
 - Dept. of Homeless Services,
1950 S. Sunwest Lane
San Bernardino, CA 92408