

Clean Communities Plan

*Working Together to
Build Cleaner Communities*

**Boyle Heights and San Bernardino
Pilot Project**



May 2016





Background

- 2010 Clean Communities Plan approved by the AQMD Governing Board on November 5, 2010
- Builds on current regulatory program
- Places greater emphasis on cumulative impacts and neighborhoods
- Center piece: Two pilot projects
 - San Bernardino
 - Boyle Heights and surrounding area



Objectives of the Clean Communities Plan

- Reduce exposure to toxic emissions
- Address cumulative impacts from multiple sources
- Increase agency coordination
- Improve transparency, communication, responsiveness with the public
- Emphasize community-based solutions





CCP Pilot Study

- Initiated Pilot Study in July 2011
- Stakeholder Working Group
 - Environmental and community, business environmental groups, elected officials, and public agencies
 - Bi-monthly Working Group Meetings for first two years
- Overall approach
 - Community-based
 - Stakeholder input to identify and prioritize air quality related issues
 - Develop solution paths for issues
 - Summarize findings

General Approach to Identify Study Issues

- Objective: Identify air quality related issues that were specific to CCP communities
- Community input key to:
 - Identify and prioritize study issues
 - Ensure issues appropriately characterized

**Input from Stakeholder Working
Group and Community
Representative Interviews**

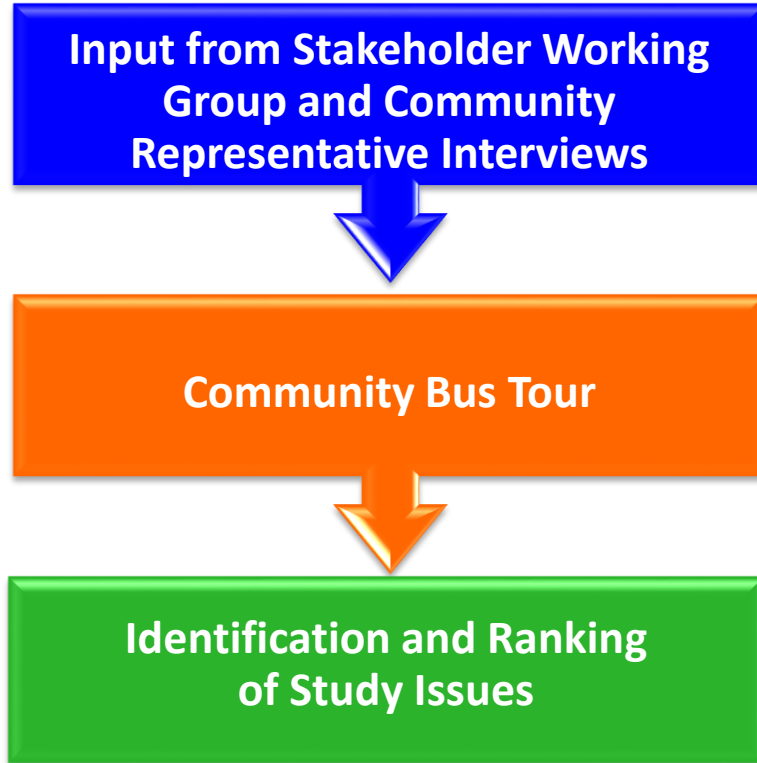


Community Bus Tour



**Identification and Ranking
of Study Issues**

Input from Stakeholders to Identify Study Issues



Input from Stakeholder Working Group and Community Representative Interviews

- Input from community stakeholders key to identify air quality issues
- Individual interviews with key stakeholders
- Working Group members ranked issues

Community Bus Tour

Input from Stakeholder Working Group and Community Representative Interviews



Community Bus Tour



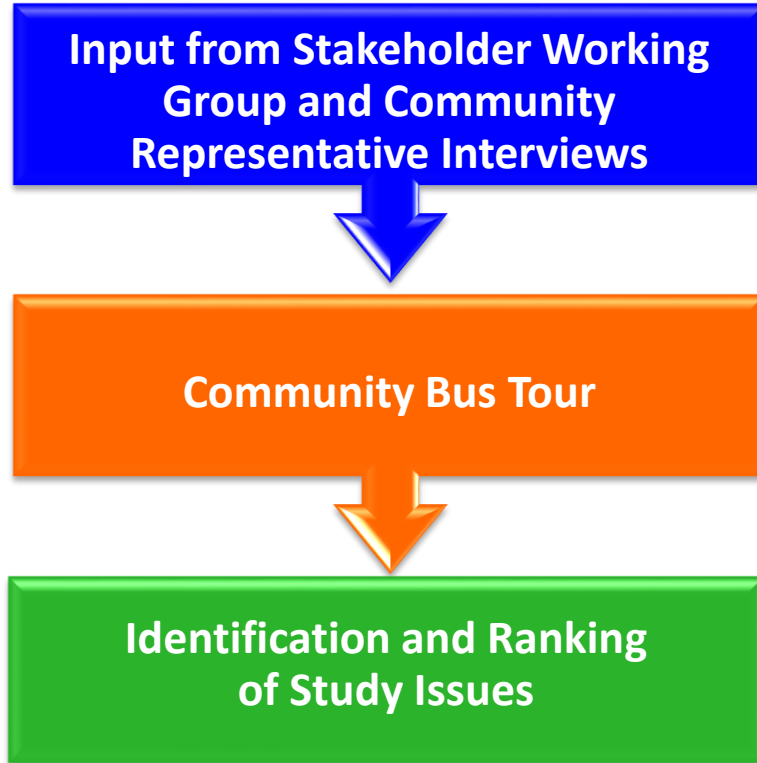
Identification and Ranking of Study Issues

Community Bus Tour

- Toured Boyle Heights and San Bernardino
- Approximately 30 participants
- Provides better insight to community issues



Identifying Study Issues



Identification and Ranking of Study Issues

- Based on input from stakeholders identified eight study issues
- Staff worked with stakeholders to ensure study issues properly characterized
- Working Group Members ranked study issues

Priority Ranking for Boyle Heights Air Quality Issues

Boyle Heights Study Issues	Overall Priority Ranking (1-High, 8-Low)
Air Quality Assistance in Highly Impacted Areas – Assist & educate businesses regarding pollution control equipment	1
Emissions from Diesel Trucks – Study truck routes within Boyle Heights	2
Proximity of Community to Freeways and Major Roadways – Ways to minimize exposure to freeway emissions	3
Facility Identification- Investigate unmarked facilities for compliance with AQMD Rules	4
Rendering Facility Odors - Investigate ways to minimize odors from rendering	5 (tie)
Templates for "Model" Air Quality Facilities – Develop model facility for several industry categories	5 (tie)
Community Spray Booth – Investigate potential usage of another spray booth for community members	7
99 Cents Only Stores Warehouse – Ways to reduce neighbors' exposure to DPM emissions from delivery trucks	8

Priority Ranking for San Bernardino Air Quality Issues

San Bernardino Study Issues	Overall Priority Ranking (1-High, 8-Low)
BNSF Rail Yard – Identify potential strategies to address exposure to diesel particulate matter (DPM) emissions from trucks, trains, and rail yard equipment from the BNSF rail yard.	1
Warehouses and Distribution Centers - Identify potential strategies to address community exposure from trucking emissions associated with warehouses in close proximity to residences	2
Freeway Expansion & Construction - Identify current traffic studies in study area, and identify potential strategies to address emissions impacts on nearby residents during construction and operation	3
Concrete Ready Mix Operation - Identify potential strategies to address dust impacts to nearby high school from plant.	4 (tie)
Unpermitted Facilities - Auto Body Shop Case Study - Identify potential strategies to address unpermitted businesses in community and potential solutions to bring unpermitted businesses into regulatory compliance	4 (tie)
Omnitrans - Identify potential strategies to address risk of upset at CNG fueling facility expansion due to SBX project	6
Lack of Green Space, Bike Paths, Centralized Shopping - Identify potential strategies to address vehicle miles traveled (VMT) and subsequent emissions due to lack of local green spaces, bike paths, and centralized shopping	7
Rendering Plant - Identify potential strategies to address odors from rendering plant on Mills Street near rail yard	8

Diesel Sources

- Strategies

- Funded cleaner diesel trucks (Proposition 1B)
 - 125 cleaner diesel trucks in Boyle Heights
 - 250 cleaner diesel trucks in San Bernardino and surrounding areas
- Replaced 25 cleaner diesel trucks at Ace Beverage (AQMD & EPA Partnership)
- Provided \$1.4M to replace 40 older diesel trucks with electric trucks at UPS in San Bernardino
- Replace old 6 switch locomotives at BNSF San Bernardino railyard
 - \$3,000,000 to repower 4 locomotives under Prop 1B funding
 - \$1,900,000 to repower 2 locomotives under EPA Diesel Emission Reduction Act (DERA) funding

- Applicable Study Issues

- Diesel Trucks (Issue #2 BH)
- BNSF Rail Yard (Issue #1 SB)



Diesel Exhaust Exposure

- Strategies
 - Partnered with SoCalGas to weatherize homes near roadways and other diesel sources
 - 268 homes in Boyle Heights
 - 806 homes in San Bernardino
 - Air filtration for schools (Air Shed Grant and Mother's of East LA)
 - Eight schools and one Child Development Center in Boyle Heights
 - Five schools and one recreation center in San Bernardino
- Applicable Study Issues
 - Proximity of Roadways (Issue #3 BH)
 - BNSF Rail Yard (Issue #1 SB)
 - Freeway Construction and Expansion (Issue #3 SB)



Warehouse and Distribution Centers

- Strategies

- ~450 cleaner diesel trucks funded warehouses in San Bernardino and Western Riverside Counties
- 99 Cent Only Warehouse (Near Boyle Heights)
 - Funded 24 cleaner diesel trucks (Source: Prop. 1B Funding)
 - Replaced 40 older diesel trucks with CNG trucks (American Recovery and Reinvestment Act funding)
 - Provided consulting services on CNG fueling station design
- Funded 62 cleaner diesel trucks Dependable Highway Express (Near Senior housing in Boyle Heights)
- Stater Bros Warehouse (San Bernardino)
 - 2010 truck fleet
- CEQA

Applicable Study Issues

- Diesel Trucks (Issue #2 BH)
- 99 Cent Only Warehouse (Issue #8 BH)
- Warehouses and Distribution Center (Issue #2 SB)



Unpermitted Facilities



- ## Strategies

- Conducted SCAQMD “No-fault” inspection using Small Business Assistance Unit
- Provided regulatory compliance information
- Educate businesses about air pollution controls, pollution prevention, and other options that can minimize or eliminate toxic air contaminants or odor nuisances
- Develop a “model air quality facility” for one or two industry categories

- ## Applicable Study Issues

- Facility Identification (Issue #4 BH)
- Unpermitted Facilities - Auto Body Shop Case Study (Issue #4 SB)

A photograph of an industrial rendering facility. The image shows several large, cylindrical metal tanks or silos, some with ladders and walkways. The facility is set against a clear blue sky with a few wispy clouds. The overall scene is industrial and somewhat cluttered with metal structures.

Rendering Facility Odors

- Strategies
 - SCAQMD staff working on Proposed Rule 415 to address odors from rendering facilities
 - Working with stakeholders – Fall 2016
- Applicable Study Issues
 - Rendering Odors (Issue #5 BH)
 - Rendering Odors (Issue #8 SB)

Auto Body and Repair Shops

- Strategies
 - Developed compliance video for autobody shop
 - Hosted Auto Expo at L.A. Trade Tech and Norton Regional Event Center in Aug 2013
 - Training on high-efficiency spray painting
 - Education on lower-polluting VOC products
 - Demonstration of alternative-fueled vehicles
 - Provided local auto body and repair shops with lasers for spray guns and aqueous brake cleaners
 - 65 lasers for spray guns (funded through Air Shed Grant)
 - 59 aqueous brake cleaners (funded through Air Shed Grant)
 - Staff developing model for air quality auto body shops
- Applicable Study Issues
 - Air Quality Assistance (Issue #1 BH)
 - Model Air Quality Facilities Template (Issue #5 BH)
 - Auto Body Shop Case Study (Issue #5 SB)



Omnitrans (Issue #6 SB)

- Omnitrans – services and fuels natural gas buses gas buses in San Bernardino
 - Surrounding land uses: Ruben Campos Community Center, Alessandro Elementary School playground, and homes
- Community has expressed safety concerns regarding two-30,000 gallon natural gas storage tanks
- Over the years, CARB conducted monitoring and SCAQMD staff met with Omnitrans
- July 2015 - Omnitrans agreed to remove storage tanks and transition to pipeline natural gas
- Community (CCA EJ) was instrumental



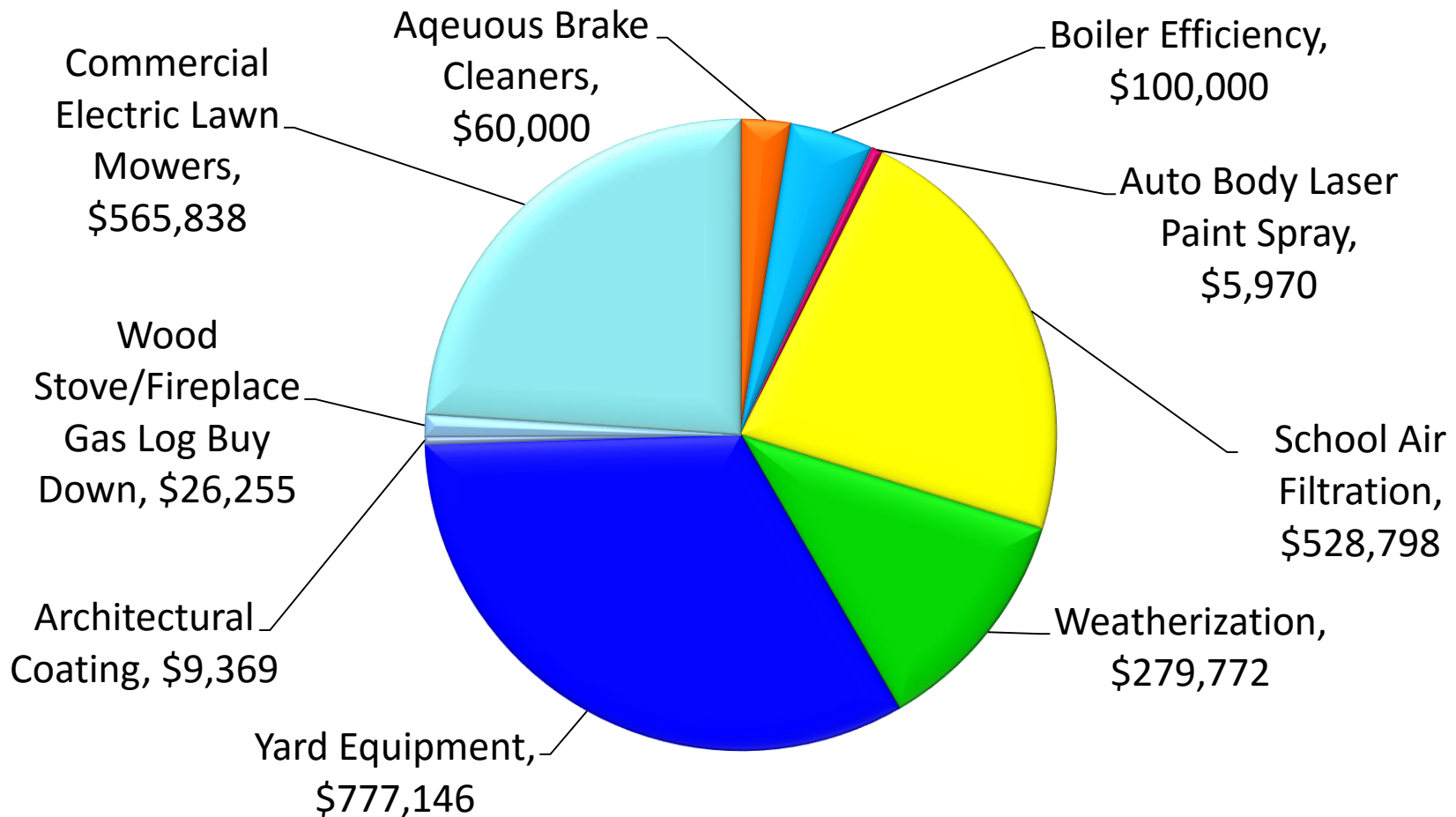
US EPA Targeted Air Shed Grant



Technology,
Funding,
Projects,
and
Showcase

- On March 4, 2011 Governing Board recognized \$2.9 million from U.S. EPA's Targeted Air Shed Grant Program (Grant)
- Includes multiple incentive programs
- Incentive programs implemented in pilot study areas of San Bernardino and Boyle Heights as part of 2010 Clean Communities Plan
- ~\$2.3 million has be spent in Boyle Heights and San Bernardino
- Remaining funds will be used for electric vehicle charging equipment, commercial cordless electric handheld landscape equipment and CNG school buses

Targeted Air Shed Grant Expenditures



Total: \$2.36 Million

Challenges Implementing US EPA Targeted Air Shed Grant



- Challenges
 - Reluctance to interact with regulatory agency
 - Language
 - Typical outreach efforts not successful
 - Greater incentives needed
- Modified outreach strategy
 - Door to door canvassing
 - Auto Expo
- Modified Grant Programs
 - Greater incentives
 - Added additional incentive programs

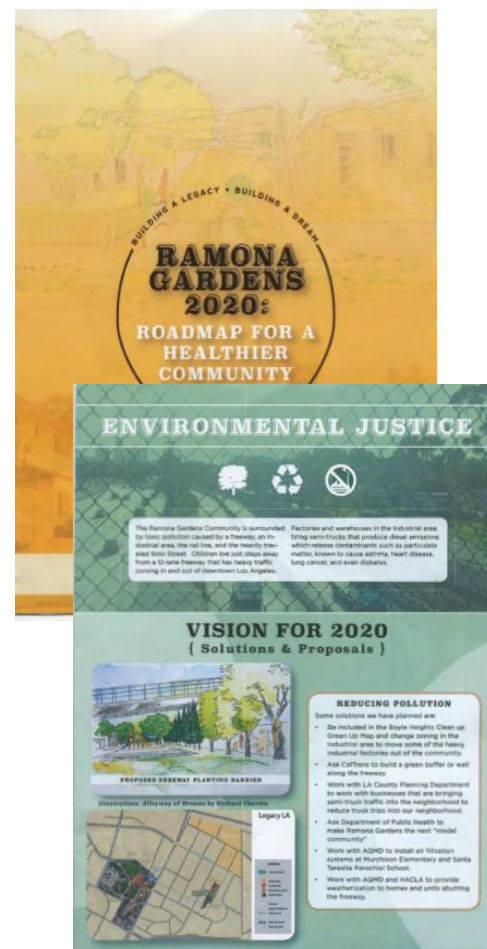
Rule 1420.1 – Large Lead-Acid Battery Recyclers

- Adopted November 2010 to address lead emissions from large lead-acid battery recyclers
- Amended Rule 1420.1 – 2014 and 2015
 - Established emission limits for lead, arsenic and toxics organics
 - Requirements to fund a continuous multi-metals monitoring demonstration program
 - Curtailment provisions
 - Lowered ambient lead concentration limit
- April 2015, Exide announced closure
 - Working closely with DTSC during facility closing activities
 - Added provisions in R1420.1 for monitoring during closure



Legacy LA – Ramona Gardens 2020

- SCAQMD first met with Legacy LA in 2013
- Non-profit - focused on youth development
- Youth representatives presented proposals and solutions to Environmental Justice in their neighborhood
 - Air filtration for Murchison Elementary and Santa Teresita Parochial Schools
 - Weatherization for homes near freeways
- Air filtration has been installed at both schools (Air Shed Grant and MELA)
- Completed weatherization



Next Steps

- Continue implementing Air Shed Grant
- Summarize Pilot Study after completion of Air Shed Grant
- Meet with Working Group

