

San Bernardino Clean Communities Pilot Project

*Working Together to
Build Cleaner Communities*

October 24, 2012



Work Plan Structure



Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- Air filtration systems
 - Five schools completed
 - ❖ Jurupa Valley High School (CCAIEJ) – December 2011
 - ❖ Ruben Campos Community Center (CCAIEJ)– April 2012
 - ❖ Ramona Alessandro Elementary School (105 Grant) – July 2012
 - ❖ Mt. Vernon Elementary School (105 Grant) – July 2012
 - ❖ Arroyo Valley High School (CCAIEJ)– August 2012
 - One school pending installation
 - ❖ Lytle Creek Elementary School added – installation not yet scheduled

Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- **UPS Truck Replacement Project**
 - Completing electrical infrastructure upgrades
 - First delivery of electric trucks scheduled for late October (target delivery date was late August at last Working Group meeting)
 - One old truck will be scrapped for each new truck delivered



Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- Additional outreach materials developed for VOC projects
 - Green Cleaner Program
 - Super-Compliant Paint Program
 - Vehicle Repair Shop Brake Cleaning Program
 - Targeted Laser System for Auto Body Shops
- Working with vendors to simplify program and develop new outreach materials for gas log program

Developing Pilot Study Report

- Developed Initial Outline
- Purpose
 - Document process and pilot study
 - Identify study issues and recommendations
- Same format will be used for Boyle Heights Pilot Study report
- Initial draft anticipated before next Working Group Meeting

Draft Outline for Pilot Study Report

- Chapter 1: Background
 - Introduction
 - Study Area
 - Sources of Air Pollution in Study Area
- Chapter 2: Study Approach
 - Clean Communities Pilot Study Work Plan
 - San Bernardino Clean Communities Working Group

Draft Outline for Pilot Study Report *(Continued)*

- Chapter 3: Identifying and Prioritizing Study Issues
 - Process to identify study issues
 - Bus Tour
 - Priority Ranking of Study Issues

Draft Outline for Pilot Study Status Report *(cont.)*

- Chapter 4: Work Plans for Study Issues
 - Study approach for developing work plans
 - Work Plans
 - ❖ BNSF
 - ❖ Omnitrans
 - ❖ Unpermitted Facilities
 - ❖ Warehouse and Distribution Centers
 - ❖ Concrete Ready Mix Operation
 - ❖ Freeway Expansion and Construction
 - ❖ Lack of Green Space, Bike Paths, and Centralized Shipping

Draft Outline for Pilot Study Status Report *(cont.)*

- Chapter 5: Project Funding and Community Programs
 - Project Funding
 - ❖ EPA Targeted Air Shed Grant Projects
 - ❖ Air filtration projects
 - ❖ Truck replacements
 - Community Programs
 - ❖ ENNRICH

Study Issues

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

BNSF San Bernardino

- AQMD staff made repeated requests for Gate Study
- BNSF is not ready to release the Gate Study
- AQMD staff will be meeting with BNSF this week
- Will request emissions inventory and Gate Study

Process to Identify Study Issues

- Input from community
- Site visits and meetings
- Discussions with Working Group
- Bus Tour



Potential Study Issues

- Concern for safety: Risk of upset, fire, or explosion
- Surveillance around Omnitrans
- Communication with Omnitrans
- Other issues
 - Nose bleeds from exposure to natural gas
 - Dying trees along perimeter of facility on 5th Street

Information Gathering

- Site visits
 - AQMD staff and consultant – March 2012
 - June 2012 Working Group meeting
 - ❖ Omnitrans hosted meeting
 - ❖ Site visit of facility
- Omnitrans provided AQMD staff safety information that they distribute to the public



CARB Monitoring

- CARB and DTSC conducted monitoring – Sept 2011
 - Single-day event
 - Hand-held VOC monitor
 - Low readings, except for one spike
 - ❖ Spike located near LNG tanks
 - ❖ Spike attributed to emissions from Cypress tree



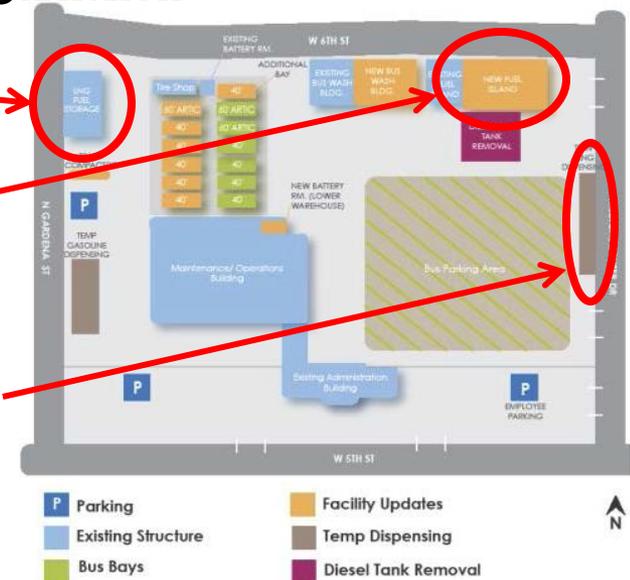
Process for Initial Recommendations

- AQMD staff discussed initial recommendations with Omnitrans
- No commitments or obligations
- Some recommendations will be easier to implement
- Some recommendations may have financial impacts
- Omnitrans has been very cooperative

Issue #1: Safety, Risk of Upset, Fire or Explosion

■ Background

- Natural gas compression on NW side of facility
 - ❖ Residences on north and west sides
 - ❖ Elementary school to the north east
- Omnitrans evaluated moving fueling operation during SBX expansion – determined not feasible
- LNG storage in NW corner (lt. blue box)
- Fuel dispensing in NE corner (orange box)
- Temporary CNG dispensing during SBX on east side (brown box)



Issue #1: Safety, Risk of Upset, Fire or Explosion *(Continued)*

- Initial Recommendations
 - Explore possibility of additional methane monitoring for early leak detection
 - Explore possibility of additional bollards around storage and fueling areas (crash barriers)
 - Trim back foliage on interior of perimeter wall



Issue #1: Safety, Risk of Upset, Fire or Explosion *(Continued)*

- Initial Recommendations
 - Label direction of gas flow in fuel lines
 - AQMD monitoring for methane near temporary fueling
 - Share results of Fire Marshall inspection reports with community, if possible
 - Conduct outreach to community to communicate safety equipment and procedures



Issue #2: Surveillance Around Omnitrans Facility

- Background
 - Community concerned about terrorism or vandalism that could lead to a release
 - During CARB monitoring event, Omnitrans did not notice or question CARB or DTSC staff (Comment by Inland Valley Task Force)
- Initial Recommendations
 - Install additional surveillance cameras around facility perimeter
 - Place signage around facility with phone number to report “unusual activity”

Issue #3: Enhanced Communication with the Community

- Background:
 - Community wants to ensure issues are being heard
- Initial Recommendations:
 - Consider meetings with Omnitrans CEO and community representatives

Issue #4: Other Issues

- Background
 - Community has commented about nose bleeds, attributing to Omnitrans
 - Community has commented about dying trees along perimeter of facility on 5th Street
- Initial Recommendations
 - No recommendations at this time
 - Continue to investigate

Next Steps

- Next meeting – December 12, 2012
 - Dept of Homeless Services
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