



2010 Regional Peer Exchange – Recent Accomplishments and Future Goals

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- Coordinator Status
 - Part time coordinator,
 - Coordinator is employed by the City of Los Angeles
 - About 24 hours per week devoted to coordinator duties
- Coalition Staff (if applicable)
 - The LA Coalition is coordinated by City employees as the main members are our City fleet managers.
 - Since we are a local government coalition, we typically include private partners on a project per project basis and our fulltime partners are local utilities, air quality agencies and non-profit groups.

- Coalition Location and Organization
 - From the original designation in 1996, the Coalition was housed in the Environmental Affairs Department (EAD). During fiscal year 2009-2010, the EAD was eliminated due to budget tightening efforts and the Coalition is now housed in the Public Works Department, Bureau of Sanitation, Regulatory Affairs Division.
 - Non-profit, and do not ask members for dues
- Ability to Delegate Coalition Work?
 - Prior to this year, the Coalition was staffed by co-coordinators. Now the Coalition has a single coordinator that receives assistance as needed.
- Coalition Meetings
 - The Coalition has two or more meetings per year which are centered around upcoming alternative fuel grant program announcements or development of new legislation or modifications to existing legislation.

2008 Annual Survey

- # of Stakeholders = 53
- # of Vehicles = 3,823
- # of Fueling Sites = 12+

- Total GGEs Displaced = over 8 million

2009 Annual Survey

- # of Stakeholders = 53
- # of Vehicles = 4,184
- # of Fueling Sites = 12+

- Total GGEs Displaced = over 12 million

- ✓ Typical fuel sources are: Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), LNG/diesel dual fuel, propane (LPG), electric, neighborhood electric and hybrid (gasoline/electric, LPG/electric, CNG/electric, and diesel/electric technologies).
- ✓ Past demonstration projects include hydrogen fuel cell passenger cars from Honda and Daimler and the all-electric Mini-E.

1995

Just Prior to the 1996 Clean Cities Designation

- 278 Alternative Fuel Vehicles
- 0 Hybrid Passenger Cars
- 4 CNG Street Sweepers
- 2 CNG Solid Resource Collection Vehicles

2009

Current Inventory

- 4,184 Alternative Fuel Vehicles
- 1,472 Hybrid Passenger Cars
- 85 CNG Street Sweepers
 - 100% target date - 2012
 - 160 total street sweepers
- 422 Alternative fuel Solid Resource Collection Vehicles
 - 244 LNG/Diesel Bi-fuel
 - 145 LNG
 - 33 CNG

LNG Solid Resource Collection Vehicle



• **LNG Solid Resource Collection Vehicle**



- A couple of successful projects and activities in the last year
 - Coordination with E-bus to create an all electric quick charge bus
 - Downtown Area Short Hop (DASH) route which uses 30' heavy-duty buses
 - Rapid charge during a driver's layover at end of a set loop route
 - Recharges in 5 minutes
 - City of Los Angeles Department of Transportation (DOT) donated buses to be used to create a prototype
 - The City will seek grant funding from state agencies, partner with other transit agencies using same technology. Project will result in lower fuel costs and will eliminate tailpipe greenhouse gas emissions.

Complete Recharge Cycle



Bus arriving at the charging station



Charge mechanism deployed for charging



5 minutes later, charge has been completed and the bus is ready to depart

- A couple of recent successful projects / activities
 - EAD American Recovery and Reinvestment Act (ARRA), U.S. Department of Energy (US DOE) Project, Energy Efficiency and Conservation Block Grant (EECBG)
 - City awarded \$37 million
 - City conducted public meetings, worked with consultants to establish energy strategies via a collaborative effort
 - City established program areas and a strategy for use of funds
 - EAD coordinates 14 program areas and lead departments
 - Three program areas that are directly related to transportation:
 - Green Workforce Program, clean vehicle technology training
 - Clean Tech Corridor Integrated Strategy, living laboratory of sustainable technologies
 - Port Technology Advancement Program, pays incremental cost for energy efficient freight transport technology upgrades.

- MotorWeek, Clean Cities
 - Coordinated with: U.S. Department of Energy, Clean Cities staff; Maryland Public Broadcasting System (PBS) MotorWeek staff; City of Los Angeles, Mayor Villaraigosa's Office; City General Services Department (GSD) staff; and Public Works Department/Bureau of Sanitation (BOS) staff
 - Aired in May
 - Highlighted the City's alternative fuel vehicle inventory
 - Available at the PBS, MotorWeek website:
<http://www.mpt.org/motorweek/video/roadtests.shtml>
 - Available soon at Clean Cities website:
<http://www.afdc.energy.gov/afdc/videos.html>

- Hydrogen Fuel Cell/Electric Motor Hybrid Bus,
 - The TIGGER grant is specifically for transit agencies to reduce energy consumption and or greenhouse gas emissions.
 - The City is creating an application for a TIGGER grant that would assist in the purchase of a hydrogen fuel cell/electric motor hybrid bus to be used by the Los Angeles Department of Transportation
 - Partners are: City of Los Angeles, South Coast Air Quality Management District (AQMD) and other participants
 - Currently in the preliminary stage so details are few
- City is having conversations with electric vehicle and other alternative fuel vehicle manufacturers
 - BYD, Coda Automotive, Daimler, and others
 - The City's Mayor is encouraging the manufacturers to locate facilities in the City or at least Southern California

- The City and the Coalition are in a time of transition
- Clean Cities should continue to be an important program
- City should include the Coordinator when planning future activities
 - Vehicle purchases
 - Demonstration programs
 - Day-to-day conversation with possible partners or new members
 - Grant opportunities
- Coalition needs to make sure to include all possible partners
- Ask for help

- Possibly expand membership to outside participants
- Continue to monitor legislation
- Assist City Departments with grants as possible
 - Research
 - Applications
 - Coordination
- Active participation with potential partners
- Contact information has changed:
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