

## Awards

- 2011 GSD Fleet Services, received the NAFA "Sustainable Fleet" award which is only issued to 4 organizations in the nation. The award recognizes GSD's contribution for exceptional environmental performance related to the heavy-duty vehicle fleet
- 2008 City of Los Angeles Quality and Productivity Commission's "Fight Climate Change with a Clean Fleet" Award in recognition of the department's efforts in greening the City's fleet
- 2005 City of Los Angeles Quality and Productivity Commission's "Bike Medic Team" Award in recognition of the department's efforts in coordinating the City bike patrols
- 2004 U.S. DOE Clean Cities Coalition Award for "Excellence in Advancing Propane"
- 2003 City of Los Angeles Quality and Productivity Commission's "Best in Class Project" Environmental Marvels award in recognition of the department's efforts to reduce pollution from heavy duty vehicles
- 2001 Clean Air Excellence Award for Climate Action Plan, U.S. EPA
- 2000 Legal Eagle Award for Supporting Major AFV Legislation, U.S. DOE Clean Cities Program
- 2000 Clean Air Excellence Award for Quick Charge L.A. Program, U.S. EPA
- 2000 and 1999 Gold Star Award for Most AFV Refueling Sites Added, U.S. DOE Clean Cities Program
- 1999 Rain Maker Award for Most Grants/Funding Leveraged, U.S. DOE Clean Cities Program
- 1998 Clean Air Award for Excellence in Model Community Achievement: Quick Charge LA, South Coast Air Quality Management District (SCAQMD)
- 1997 Governor's Environmental and Economic Leadership Award for Quick Charge LA



Propane Downtown Area Short Hop (DASH) bus



LNG solid resource collection truck



CITY OF LOS ANGELES



**SANITATION**  
DEPARTMENT OF  
PUBLIC WORKS



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## Alternative Fuels and Advanced Vehicle Technologies in the City of Los Angeles



CITY OF LOS ANGELES



**SANITATION**  
DEPARTMENT OF  
PUBLIC WORKS



## Clean Cities Program

The City of Los Angeles has actively participated in the U.S. Department of Energy (DOE) Clean Cities Program for the last 14 years. The Los Angeles Clean Cities Coalition, coordinated by the Public Works Department, is one of 88 cities that is a part of this program. The goals of the Los Angeles Clean Cities Coalition are to:

- Work to increase the City's overall Alternative Fuel Vehicle (AFV) fleet inventory by 15%, as a target goal, each fiscal year.
- Identify opportunities for use of alternative fuel or advanced vehicle technologies in the City fleet.
- Encourage the adoption of policies that promote the use of AFVs.
- Enhance support for AFV use by facilitating the expansion and increased utilization of AFV refueling/recharging stations.
- Support local job creation and economic development opportunities related to the AFV industry through efforts to deploy AFVs in the City fleet and enhance AFV use.

## GreenLA Climate Action Plan

- In May 2007, the Mayor and City Council released the GreenLA Plan and set a goal to reduce greenhouse gas emissions to 35% below 1990 levels by 2030.
- Implementation of the plan continues, with over 50 measures to reduce greenhouse gas emissions in the City.
- Measures affecting fleets include replacing traditional fuels with alternative fuels and new technology, improving fuel efficiency, and promoting transit and rideshare programs.



A police officer on bicycle patrol

## Clean Fuels Policy

The Los Angeles City Council adopted a "Clean Fuels Policy" which "supports and implements alternative fuel applications by supporting programs and regulations that balance environmental benefits against operational concerns such as safety, efficiency, and cost effectiveness."

The City is following this policy by establishing fleets with over 50% alternative fuel composition, such as:

- Street Sweepers – 65% Alternative Fuel
  - 103 Compressed Natural Gas (CNG) Vehicles
- Solid Resource Collection Vehicles— 66% Alternative Fuel
  - 473 Alternative Fuel
  - 60 More Alternative Fuel Vehicles Expected to be Delivered in 2011—2012
  - 100% Alternative Fuel—5 Years.



Gasoline-electric hybrid  
The City has almost 1,500  
gasoline-electric hybrid vehicles.

## Recent Accomplishments

- As of December 2010, the number of advanced technology and alternative fuel vehicles in the City's fleet has increased to **over 4,400**.
- In 2009, the City and BMW/MINI USA entered into an agreement to participate in a field trial of up to 5 MINI-E all electric, zero emission vehicles.
- AFVs in the City's fleet include: compressed natural gas (**CNG**), liquefied natural gas (**LNG**), propane, electric, and hydrogen.
- In the years from 2000—2010, secured **\$27 million in grant awards** for the purchase of alternative fuel vehicles and infrastructure for the City's fleet.
- In 2009, inventoried over 650 **bikes** actively participating in the City's "Bike Patrols for Clean Air" program.
- The City operates over **300 electric vehicles** for city business and educational outreach activities.
- The City operates over **240 dual-fuel and dedicated LNG** refuse collection trucks in the San Fernando Valley, Harbor area and South Los Angeles.
- In 2002, the City took delivery of the world's **first hydrogen fuel cell** car certified for commercial use, the Honda FCX, and has leased up to five of these vehicles for use in daily work activities.
- In 2006, the LAX Airport took delivery of five experimental hydrogen fuel cell cars, the Daimler Chrysler F-Cell vehicles for staff use.