

United States Conference of Mayors
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GREEN LA

An Action Plan to Lead the Nation
In Fighting Global Warming

**Major Accomplishments
2011**



*The City of Los Angeles
Mayor Antonio R. Villaraigosa*





**MAYOR
ANTONIO
VILLARAIGOSA**

Los Angeles, California

ENVIRONMENT

Major Accomplishments 2011

The Green LA Plan unveiled in 2007, is an action plan to lead Los Angeles in meeting the challenges of Climate Change and making Los Angeles the greenest big City in the Nation. The Green LA plan includes over 50 initiatives that will reduce the City's carbon footprint. Substantial progress has been made over the last four years and we look forward to meeting all our goals and the challenges of the future. I am pleased to see us reduce our carbon footprint and hope that our actions serve as examples that can be replicated throughout the Nation. Our goal for the next several years is to continue moving LA forward on a path to clean our air and our waterways, create green jobs, and prepare for Climate Change.

Moving the City forward Mayor Villaraigosa will: focus on environmental initiatives for clean energy, clean air, clean water, conservation of energy and water, and resource recycling all of which contribute to an increase in the quality of life of all Angelenos.

1. CLEAN POWER: Coal-free, fossil fuel replacement and a 60% carbon reduction. The use of fossil fuels is unsustainable. To this end the City has:

- Achieved an intermediate goal of increasing the amount of renewable energy to 20% of power purchased in 2010 and will reach 33% by 2020.
- Initiated biogas projects at two Wastewater Treatment Plants.
- Implemented wider use of solar, wind, and geothermal technology and committed to releasing contracts with coal fired power plants as they expire.

2. CLEAN AIR: Reducing pollution at the Port, along Port-serving freeways, and City Operations.

The City of Los Angeles now leads in attacking the region's air pollution problems. To this end the city has:

- Replaced 10,000 diesel trucks with new/retrofitted trucks through the Port's Clean Truck Program.
- Upgraded the City's fleet with 4,424 alternative fuel vehicles.
- Converted 66% of all solid waste trucks and street sweepers to clean fuel vehicles.
- Opened 5 alternative fuel stations, including the World's largest 60,000 LNG/LCNG gallon capacity.
- Operates an all alternative fuel fleet of 2,221 CNG buses and 6 gas-electric hybrid buses.
- Increased the FlyAway shuttle program to move 1.34 million travelers to the airport resulting in 23 million fewer miles driven in 2010.



- Hosted two CicLAvia events resulting in more than 100,000 people riding and walking along 7 miles of streets closed to vehicle traffic.

3. WATER AND ENERGY CONSERVATION: reduce consumption by 10% in ten years.

Water Conservation. The City has employed new strategies of conservation and water recycling such as:

- Installation of smart irrigation systems in parks to efficiently address landscape irrigation needs.
- Implementation of a rain harvesting program to promote the use of rain barrels on residential properties.
- Increasing recycled water use each year from a baseline of 9,200 acre feet annually to 22,000 acre feet by adding infrastructure and 20 miles of purple pipe by 2014.
- Design and construction of numerous projects that infiltrate urban runoff which reduces waste discharge to local water bodies.
- Implementation of conservation and water recycling programs that have held water demand steady despite growth in population of over 1.5M residents over the last 20 years.

Energy Efficiency. Residents and businesses partnered with the City to take advantage of several projects and programs such as:

- The Energy Saver program which provided 53,000 energy efficient refrigerators to low income families and which provided residents with 2 Compact Fluorescent Lights and rebates for energy efficient windows, lighting and cooling systems that meet or exceed Energy Star® efficiency standards.
- The Small Business Direct Install Program which provided up to \$2,500 in free energy efficient lighting to over 37,000 small businesses.
- Installation of 52,000 LED streetlights with 140,000 lights to be exchanged by 2014.
- Retrofitting, by the end of the year, all 4,683 signaled intersections with LED lights.
- Installation of solar powered lighting for pedestrian paths and bikeways.
- Installation of 25,935 sq feet of solar panels at a water reclamation plant to offset electricity use.

4. GREEN BUILDING: Retrofit to Conserve Energy and Resources and Create Local Jobs.

Buildings in the United States consume two-thirds of the nation's electricity production, generating 30% of our greenhouse gas emissions. To address this the City has:

- Built 43 new buildings, with 2.1 million sq feet of space, to the strict LEED green building standard, which includes the newly renovated Tom Bradley International Terminal - the first terminal to receive LEED-EB silver certification at a U.S. Airport.

- Implemented a Green Building Retrofit and Green Jobs Development Program and retrofitted 1,000 public buildings.
- Created Private Development tools for promoting Green Buildings including the LA Green Building Ordinance and the Low Impact Development Ordinance and Implementation Handbook.

5. RECYCLING: Shift from Waste Disposal to Resource Recovery. Moving forward the City has:

- Achieved a 65% solid waste recycling target with a goal to meet 70% by 2013.
- Achieved the participation of 648 schools in the Blue Bin recycling program.
- Achieved an 80% participation rate in multifamily recycling.
- Rolled out the Zero Waste Planning Initiative to the public.
- Discussed proposals and started negotiations for the City's first conversion technology facility to provide alternatives to landfill disposal.
- Implemented a Construction and Demolition Waste Recycling program.

6. ADAPTING TO CLIMATE CHANGE. To meet these challenges the City has:

- Co-founded the LA regional Collaborative for Climate Change to maximize planning efforts between public agencies, universities and public interest groups.
- Increased park space by 45 new parks and acquire 650 acres of open space.
- Planted over 300,000 trees to reduce the effect of the Urban Heat Island and will continue to plant more.
- Removed more than 40,000 sq feet of concrete to create additional tree wells for water infiltration.
- Established numerous Cooling Centers that are made available to residents during extreme heat events and created agreements with the Red Cross and LA County to ensure residents will receive critical information by phone and text, and provide emergency assistance if needed.

