

Moving Toward a Greener Los Angeles



For generations, people have come to Los Angeles because of its natural environment. The mild climate, beaches and mountains have been an irresistible lure to those looking for a better life. Today, LA is home to more than 4 million people in diverse communities that span 469 square miles. The City is a center of global trade and entertainment and the hub of Southern California's economy — the 14th largest in the world.

As in most global cities, the rapid expansion of LA's economy and population brought great opportunity to the region, but also traffic, sprawl, smog and environmental hazards. Addressing these challenges has placed Los Angeles at the forefront of the most innovative environmental advancements in the country. In the 1950s, LA's response to declining air quality led California to establish the nation's first air quality program, which became the impetus for the first comprehensive federal Clean Air Act. The City of Los Angeles also implemented the nation's first curbside commingled recycling program and continues to divert a higher percentage of waste from landfills than any other large city in America.



Mayor Antonio Villaraigosa's Environmental Agenda

As the world faces one of history's greatest crises — global climate change — LA is once again leading the way. Under Mayor Villaraigosa's direction, the City has established a climate plan and aggressive environmental goals that will enhance the quality of life for all Angelinos and generate well-paying green jobs.

Goals

• Fight Climate Change

Reduce greenhouse gas emissions in LA 35% below 1990 levels by 2030

• Green Power

Increase LADWP's renewable energy portfolio to 40% by 2020

• Green Economy

Establish the CleanTech Corridor to attract green business to LA

• Green Airport

Complete the 1st airport improvement in the nation to achieve LEED certification

• Green Port

Reduce air pollution at the Port by 45% by 2011

• Unpave Paradise

Plant 1 million trees. Build 35 new parks.

• Waste to Resources

Divert 70% of all waste from landfills by 2013

• A Livable City

Build 20 new transit-oriented communities

• Green Transport

Power 85% of City's passenger vehicles and 100% of refuse trucks, street sweepers, and Metro buses with alternative fuels by 2010

• Secure Water

Reduce per capita water consumption by 20% over the next 20 years



Actions

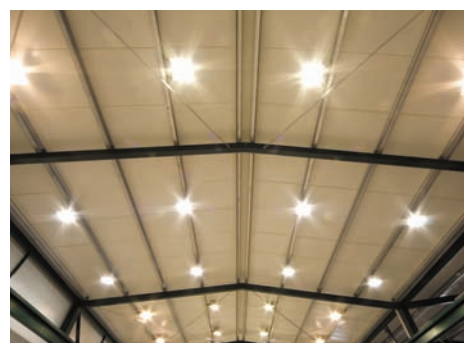
1 Cleaner Energy

RIGHT NOW

- City quadrupled its renewable energy portfolio since 1995
- 19 fold increase in energy conservation in last 4 years
- EPA awarded LA with the most Energy Star ratings in the country last year, recognizing 262 buildings for using at least 35% less energy than average buildings and emitting 35% less carbon dioxide
- Green Building Ordinances require projects to achieve the Leadership in Energy and Environmental Design® (LEED®) Certified level

TO COME

- Mayor's SolarLA Plan will bring an additional 1,200 megawatts of clean energy to LA, making solar 10% of the City's total power



RIGHT NOW

- Smoggy days in downtown LA down by 95% since 1990
- American Lung Association in 2008 removed LA from the top of the list of worst cities for year-round particle pollution levels for the 1st time in 9 years of reporting
- Port of Los Angeles' Clean Truck Program has replaced 5,500 of 16,800 polluting trucks with clean alternatives. Approximately 66 percent of the trucks that haul cargo containers in and out of our cargo terminals are now model-year 2007 or newer
- 3,823 alternative fuel vehicles in the City's own fleet
- Operates the world's largest LNG/LCNG fueling stations with an even larger station under construction

TO COME

- Completion in 2010 of 1st airport improvement in the nation to achieve LEED certification
- Aggressive measures to green the port and reduce the carbon intensity of transportation

3 Reducing Waste

RIGHT NOW

- 65% of all waste diverted from landfills—the highest diversion rate of any big city in the nation
- Almost 100% of single-family and > 75% of multi-family residential units now have City curbside recycling services

TO COME

- Expects to meet 2013 City goal of 70% diversion well ahead of schedule
- 750 schools in LA Unified School District will receive free blue bin recycling service, waste reduction and recycling training by 2010



6 Green Economy

RIGHT NOW

- CleanTech Corridor established to support green business, promote research in new energy technologies, and promote opportunities for product development
- Green Jobs and Retrofits Ordinance to ensure quality green jobs in local communities where municipal facilities are being retrofitted

TO COME

- Additional green job and training programs funded through federal and state energy grants

5 Saving Water

RIGHT NOW

- Water use in the City of LA is less than a quarter century ago despite a 15% growth in population, due to successful conservation initiatives
- 18% cut in water use in Jun-Oct over the prior year, with still higher reductions by government sources

TO COME

- Distribution of free "smart sprinklers" to LA residents that adjust watering based on weather conditions

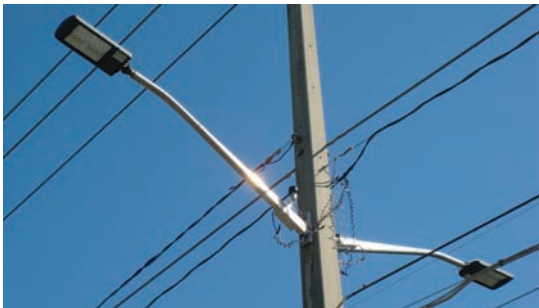
4 Greener Space

RIGHT NOW

- Almost 200,000 trees planted since the launch of Million Trees LA; thousands more being planted each month
- More than 15 new parks added to the city in the last 4 years

TO COME

- Continued investment in open space and greening
- 20 more parks to be built by 2011
- Expanding LA's tree canopy 4% to meet the most widely adopted targets for arid cities



Innovations

The City of Los Angeles is not only determined to face the crises of resource depletion and climate change head-on—it is also determined to do so by moving beyond status quo solutions and applying innovative thinking to effect sweeping changes. Below mark some of the projects and programs implemented as part of Mayor Villaraigosa's efforts in taking the threat of climate change and transforming it into an opportunity to creatively transform LA into the greenest big city in America.

LED Street Lights

140,000 of LA's street lights are being fit with energy-saving, light-emitting diodes, or LEDs, through a partnership with the Clinton Climate Initiative. The program is projected to save taxpayers an estimated \$48 million over 7 years while removing the carbon dioxide equivalent of 6,700 cars a year from the road.

Electric Trucks

The Port of LA, the South Coast Air Quality Management District and a small business called Balgon Corp. partnered to develop a new heavy-duty, all electric truck to reduce emissions at the port.

CFLs in Every Home

All 1.4 million households in the city received two compact fluorescent light bulbs (CFLs) saving 240 gigawatt-hours of energy and 131,000 metric tons of CO2 emissions each year—enough energy to power 40,000 homes.

Largest Wind Project

The City implemented Pine Tree wind project, an 8,000-acre wind farm that delivers enough energy to power 56,000 homes and displace 200,000 tons of greenhouse gas emissions—the equivalent of taking 35,000 cars off the road.

SolarLA

The Mayor unveiled the largest solar plan undertaken by any single city in the world, which will result in the installation of 1,200 megawatts of solar energy systems.

LA's Emerald Necklace

A 32-mile stretch of the LA River is being revitalized, adding parks, walkways and bike paths to the city, improving mobility, protecting wildlife, promoting the health of the river, and leveraging economic reinvestment.

CleanTech Corridor

The City established a CleanTech Manufacturing Center on a 20-acre site in downtown Los Angeles. The Center is part of a CleanTech Corridor comprising a cluster of clean technology and green focused companies along the LA River.

Regional Plug-In Electric Vehicle Plan

Southern California collaboration between cities, utilities, automakers, and others to encourage and facilitate plug-in hybrid and battery electric vehicles. Los Angeles pledges to provide incentives for home charging, lower off-peak electrical charging rates, preferred and/or free parking to drivers, and upgrade of 400 existing public charging sites.

City of Los Angeles GHG Emissions

As of 2008, the City of Los Angeles has reduced municipal CO2 emissions to 11% below 1990 levels, exceeding its pledge to match Kyoto-prescribed reductions of 7% below 1990.

Community-wide CO2 emissions have met the Kyoto target of 7% reductions below 1990 levels.

Municipal emissions inventories have been verified to California Climate Action Registry protocols for 2004, 2005, 2006, and 2007.

Municipal emissions include those generated by all city departments, including power generation for the Los Angeles Department of Water and Power.



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FOR MORE INFORMATION

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