



# First Annual Report 2015-2016



TRANSFORMING LOS ANGELES  
ENVIRONMENT | ECONOMY | EQUITY

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# Letter from Mayor Eric Garcetti



We released Los Angeles’ first ever Sustainable City pLAn last year. It is the first comprehensive vision for protecting the environment, growing our economy, and improving equity for every Angeleno. Here are some of our incredible results in just over a year:

- Reducing water use by 19%, nearly achieving our goal of 20% water reduction a year ahead of time and continuing L.A.’s leadership as the most water efficient city per capita of any big city in the U.S.;
- Exceeding our goal of 1,000 publicly available EV charging stations by 2017 ahead of time. L.A. is now home to the most in any city in the U.S.;
- Reducing our greenhouse gas emissions by 20% since 1990;
- Hosting the first US-China Climate Leaders’ Summit, leading to multiple city-to-city partnerships on clean transportation, air quality, and clean tech;
- Being the first big U.S. city to raise the minimum wage to \$15;
- Enacting the Clean Up Green Up ordinance, groundbreaking policy providing tools to communities suffering from air quality, polluting industries, and other injustices to help ensure healthier neighborhoods.

In this first annual report, we lay out our progress in achieving the outcomes and targets in the pLAn along with other milestones. I am proud of the 27 Departmental Chief Sustainability Officers who are championing sustainability in their departments, and across the City. These amazing women and men are the heart and soul of the pLAn, working closely with their General Managers and my Chief Sustainability Officer Matt Petersen--and his team--to collaborate across departments, deliver results, and drive innovation.

That’s not all. I am holding my GM’s accountable for the results. The pLAn is also reflected in my budget I

just presented to City Council, helping tie resources to results, including solar and EV infrastructure for City of L.A. facilities. And we continue to provide metric updates on our progress.

We still have a lot to do. We need to move more quickly on achieving our local solar goals and build on innovative process improvements at DBS and LADWP that have removed red tape and improved interconnection times. We may have the most solar of any city in the U.S., but we must continue to move aggressively forward and ensure that the abundant sunshine that falls on our neighborhoods is not wasted.

We also have faced unexpected challenges. The disastrous gas leak at SoCal Gas’ Aliso Canyon facility disrupted the lives of over 10,000 residents. It was the largest methane gas release in our nation’s history that laid bare our dependency on fossil fuels, further proof that we need to redouble efforts to move as quickly as possible toward a carbon free future.

Much work remains on the pLAn outcomes we have set for 2017 and beyond. That is why I am so pleased that over 60 nonprofits, businesses, universities, schools, and individuals have made commitments to “Adopt the pLAn.” This is only the beginning, and I hope that you will be inspired to make your own commitment as you see how far we have come with the actions here in the report.

Together, we will make Los Angeles the most sustainable city in the U.S., and the world. Thank you for everything you do to make that vision possible.

Sincerely,

Mayor Eric Garcetti





How to Read the Report

**Color Guide**  
A visual progression of the pLAN section colors to inform the reader where they are in the annual report

**Vision**  
The vision statement from the pLAN for each topic that is ambitious and achievable in the next 20 years

**City Early Wins**  
Progress by a City of L.A. department on an outcome, initiative and/or related project in the last year

Chapter Title

Feature Story

Highlighting a story demonstrating progress on a significant outcome, initiative, and/or project

Progress Equivalency

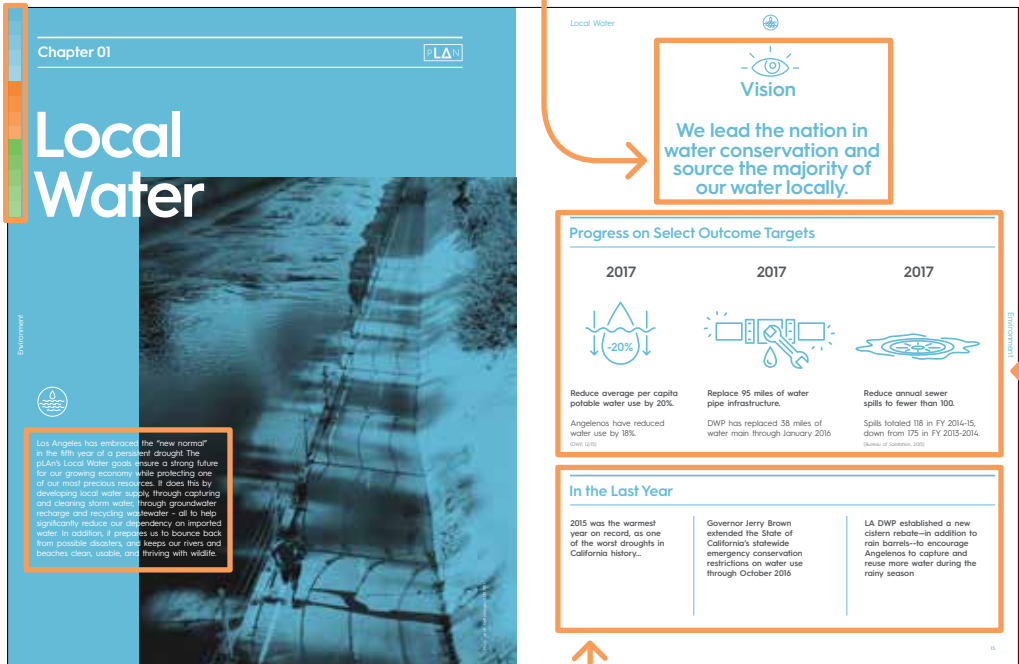
Partner Early Wins

Progress on an outcome, initiative, Adopt the pLAN commitment and/or project related to the pLAN by a local organization or set of partners

**Outcomes**  
Listed are selected outcomes--measurable, quantitative, time bound deliverables--from the pLAN with progress in the last year toward that outcome underneath

**In the Last Year**  
Key facts, news, and updates from the last year that inform the reader and are important to the topic

**Introduction**  
The rationale for the importance of the topic area and summary/highlights of key outcomes included within it



People Behind the pLAN: Meet L.A.'s Departmental Chief Sustainability Officers



**Department of Aging**  
Marco Perez

Additional Sustainability Staff:  
Jennifer Ware



**Department of Animal Services**  
Dana Brown



**Department of Building and Safety**  
Osama Younan



**Bureau of Contract Administration**  
Chris Smith

Additional Sustainability Staff:  
Hannah Choi



**Department of Cultural Affairs**  
Danielle Brazell

Additional Sustainability Staff:  
Daniel Tarica



**Economic and Workforce Development Department**  
Stella Catanzarite



**Bureau of Engineering**  
Mahmood Karimzadeh

Additional Sustainability Staff:  
Shawn Farzan, Zohra Akhter,  
Jeannie Park



**Los Angeles Fire Department**  
Chief Fred Mathis

Additional Sustainability Staff:  
Chief Nikki Brodowy



**General Services Department**  
Lisa Gabriel

Additional Sustainability Staff:  
Valerie Melloff



**Housing and Community Investment Department**  
Laura Guglielmo

Additional Sustainability Staff:  
Sally Richman



**Information Technology Agency**  
Agnes Lung-Tam



**Department of Neighborhood Empowerment**  
Stephen Box

Additional Sustainability Staff:  
Jasmine Elbarbary



**Department of City Planning**  
Shana Bonstin

Additional Sustainability Staff:  
Claire Bowin



**Los Angeles Police Department**  
Commander Sean Malinowski

Additional Sustainability Staff:  
Commander Jeffrey Bert,  
Detective Michael Bland



**Port of Los Angeles**  
Christopher Cannon

Additional Sustainability Staff:  
Rachel McPherson



**Los Angeles Public Library**  
Eloisa Sarao



**Department of Recreation and Parks**  
Matthew Rudnick



**Bureau of Sanitation**  
Doug Walters



**Bureau of Street Lighting**  
Norma Isahakian

Additional Sustainability Staff:  
James Quigley



**Bureau of Street Services**  
Greg Spotts

Additional Sustainability Staff:  
Ron Lorenzen



**Department of Transportation**  
Marcel Porras



**Department of Water and Power**  
Nancy Sutley

Additional Sustainability Staff:  
Aaron Gross



**Los Angeles World Airports**  
Lisa Trifiletti (Interim)

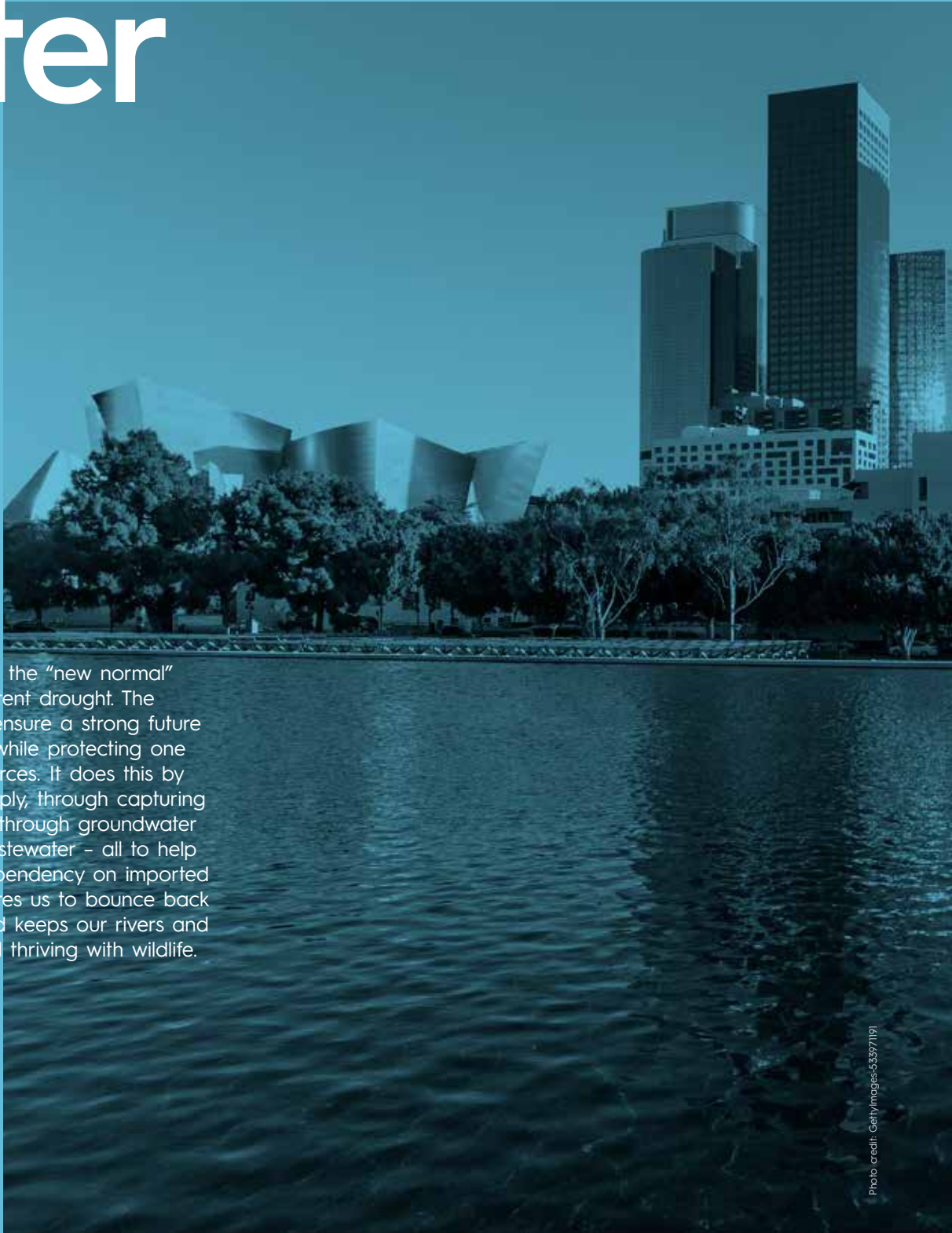
Additional Sustainability Staff:  
Tamara McCrossen-Orr, Scott Tatro



**Los Angeles Zoo**  
Darryl Pon



# Local Water



Los Angeles has embraced the “new normal” in the fifth year of a persistent drought. The pLAN’s Local Water goals ensure a strong future for our growing economy while protecting one of our most precious resources. It does this by developing local water supply, through capturing and cleaning storm water, through groundwater recharge and recycling wastewater – all to help significantly reduce our dependency on imported water. In addition, it prepares us to bounce back from possible disasters, and keeps our rivers and beaches clean, usable, and thriving with wildlife.

Photo credit: Gettyimages-53577191

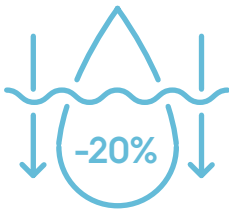


## Vision

We lead the nation in water conservation and source the majority of our water locally.

### Progress on Selected pLAN Outcomes

2017



Reduce average per capita potable water use by 20%.

Angelenos have reduced water use by 19%.

(Source: L.A. Department of Water and Power, February 2016)

2017



Replace 95 miles of water pipe infrastructure.

L.A. has replaced 38 miles of water main.

(Source: L.A. Department of Water and Power, January 2016)

2017



Reduce annual sewer spills to fewer than 125

Spills totaled 118 in FY 2014-15, down from 175 in FY 2013-2014.

(Source: L.A. Bureau of Sanitation, December 2015)

### In the Last Year

2015 was the warmest year on record, as one of the worst droughts in California history continues

Governor Jerry Brown extended the State of California’s statewide emergency conservation restrictions on water use through October 2016

LADWP established a new cistern rebate—in addition to rain barrels—to encourage Angelenos to capture and reuse more water during the rainy season



Feature Story

# Replenishing L.A.'s Water Supply

In May 2015, Mayor Garcetti, Los Angeles World Airports and Los Angeles Bureau of Sanitation signed an agreement authorizing construction of a \$39 million facility aimed at cleaning up polluted stormwater runoff from LAX before it can flow into the Santa Monica Bay. This underground facility will put 60 million gallons of water into the groundwater basin each year to replenish the water supply. The five-acre open field (a byproduct of these efforts) will also become park space. Approximately \$32 million of the project's cost will be covered by bond proceeds from the voter-approved Proposition O to pay for water clean-up projects.

"We must re-imagine our relationship with water,



We must be responsible with how we treat it, across its entire cycle.

We can no longer afford to let stormwater runoff as pollution into our ocean.

We must clean it, we must capture it, and we must put it to good use."

**Mayor Eric Garcetti**  
at the project site near LAX  
May 7, 2015



# Angelenos Have Reduced Their Water Usage By 19%.

Thanks to the efforts of Angelenos to respond to the call for conservation and the Save the Drop campaign, Over 30.4 billion gallons have been saved in L.A. since November 2014. That is equivalent to four billion cubic feet, which would fill the entire Rose Bowl 200 times!



City Early Wins



Photo credit: LADWP

## Incentivized Rebates: DWP and Conservation

L.A.'s award-winning Save the Drop campaign helped mobilize Angelenos to replace 33 million square feet of turf, resulting in over 1 billion gallons of water saved per year. We also saved nearly 3 billion gallons of water through toilets, smart irrigation controls, and other devices for which DWP provides rebates.



Photo credit: LADWP

## Expanding Recycled Water In Griffith Park

LADWP and Rec & Parks began constructing a water storage tank as part of a larger recycled water project for Griffith Park and the Roosevelt Golf Course, which will produce 120 million gallons of recycled water per year.



Photo credit: LAWA WaterWise Project

## Transforming LAX With Drought Tolerant Landscaping

LAWA converted 2.39 acres of turf in the Central Terminal Area to low or no water landscaping. 63% of the facilities at LAX have been converted to recycled water irrigation. Potable water irrigation at LAX has been reduced from 5 days a week to 2 days a week. (December 2015)





## Partner Early Wins



Photo credit: Heal the Bay

### Heal The Bay Set To Improve Water Literacy In Los Angeles

Heal the Bay, Pacoima Beautiful and Pacific American Volunteer Association launched a program to improve water literacy and enhance Angelenos' understanding of our current dependency on water imports and the potential for increasing local water supply.



Photo credit: The River Project

### Water LA Transforms Residents' Yards Into Rain Gardens

The River Project and Water LA's Pilot Program transformed 23 Panorama City residents' yards with techniques that increase biodiversity, harvest rainwater, infiltrate almost 4 acre-feet of water per year to groundwater, help prevent pollution in the LA River, and mitigate local flooding--all while reducing their water use to an average of 55 gallons per person per day.



Photo credit: L.A. Mayor's Office

### Neighborhood Council Challenging Its Residents To Save

In January 2016, the Greater Wilshire Neighborhood Council (GWNC) launched its "180 Days to Turn it Around" Campaign - a voluntary challenge to residents to reduce their water usage by 20%. Many GWNC zip codes are in the top 1% of water users in the City, and so far eight households have pledged to significantly reduce their water use by installing water efficient devices, appliances and landscaping.



# Local Solar



Combining the abundance of sunshine our city enjoys with the advantage of owning our own municipal utility, Los Angeles’ investment in solar is generating clean power, reducing pollution, and improving grid reliability. The City of Los Angeles has the most installed solar capacity of any U.S. city and is committed to investing in solar power to create local green jobs for Angelenos, drive innovation, and--when combined with back-up battery storage--help keep the city moving in the event of a disaster. While progress toward targets for 2017 and 2025 local solar and storage targets have been slow as programs ramp up and technologies mature, our commitment remains strong.

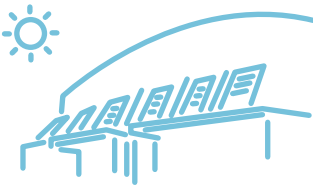
Photo credit: crystal5 / shutterstock



We increase L.A.’s clean and resilient energy supplies by capturing the energy from our abundant sunshine.

## Progress on Selected pLAn Outcomes

2017

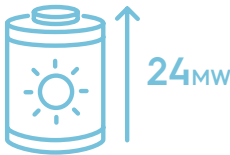


Install at least 1 MW Solar on L.A. Convention Center roof

Project completion expected in 4th quarter of 2016.

(Source: Los Angeles Convention Center, February 2016)

2017

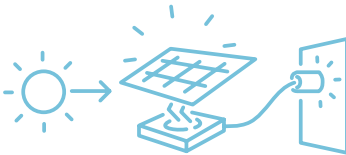


Increase total cumulative MW of energy storage capacity to 24 MW (excluding Castaic Pump-Storage Plant)

Current capacity at 9 MW, other projects in progress and on track to meet target.

(Source: Los Angeles Department of Water and Power, March 2016)

2017



Launch a revised Integrated Resource Plan (IRP)\*

IRP process launched in 2016, Mayor directed LADWP to study future scenario with no fossil fuels.

(Source: Los Angeles Department of Water and Power, March 2016)

\*Launch IRP process that includes in the 2015 and/or 2016 IRP a local solar scenario that achieves the long-term stretch goal outcomes. This scenario will include a robust analysis of reliability, pricing, overall greenhouse gas reductions, future RPS regulatory targets and definitions, and the potential need to shift away from planned investments in fossil fuel power generation. Technical studies on increased renewable penetration, commensurate renewable integration technologies, energy storage, and transportation electrification will be included in this IRP scenario.

## In the Last Year

The cost of installing solar on homes decreased by 8% in 2015, which is on top of a total drop in installed system costs of over 73% since 2006.

(Source: Lawrence Berkeley National Laboratory and Solar Energy Industry Association)

Congress extended clean energy investment and production tax credits for 7 years for solar and wind energy sources, a significant boost that provides certainty for local solar development.

The U.S. Supreme Court upheld a rule by the Federal Energy Regulatory Commission that opens up a new market for ‘demand response,’\* offering further incentives for distributed generation and battery storage.

\*Demand Response is an energy-saving strategy for consumers to reduce electricity use during peak hours through a combination of behavioral change and technology.





## Feature Story

# Solar Powered Small Businesses at Port of L.A.

A brand new artisan crafts market and brewery is helping to revitalize the Port of L.A. (POLA) by moving into abandoned World War II era warehouses, giving budding small businesses a home. CRAFTED at the Port of L.A. worked with POLA, PermaCity Solar, and Constellation to install one of the largest rooftop solar projects from LADWP's Feed-in Tariff (FiT) program.. The FiT provides a financial incentive for developers and property owners to harness underutilized rooftop space to generate clean, solar energy and sell it at a profit. Solar projects, like this one, contribute to a

cleaner electricity grid, helping the city meet its renewable energy goals, while also bringing local jobs and economic investment to the city. This is the first FiT project at the Port, and helps POLA move toward their 10MW solar goal by 2018 (currently at 2.8 MW). These two warehouse roofs alone will generate enough clean, carbon-free electricity to power 331 homes annually. It will save 37.6 metric tons of carbon dioxide, equivalent to taking 400 cars off of L.A. streets.



Photo credit: L.A. Mayor's Office

"We're proud to contribute affordable, clean power to the City thanks to the LADWP's FiT program.

As a business that supports the environment by encouraging the sourcing, purchasing and appreciation of locally made products, it is exciting to participate in LA's local solar movement as well."

**Rachel Sindelar**  
Executive Director,  
CRAFTED at the Port of L.A.

# L.A. Has the Most Installed Solar of Any City in the Country

To date, L.A. has over 180 MW of installed local solar, enough to power **50,000 homes**.

(Source: Los Angeles Department of Water and Power, March 2016)



## City Early Wins



Photo credit: Los Angeles Department of Water and Power

# Instant, Online Permitting Helps 7,000 Homeowners Save Time and Money Installing Rooftop Solar

The City saw strong demand for residential rooftop solar, averaging approximately 800 applications a month by the end of 2015. To effectively and efficiently handle demand, LADBS designed an easy-to-use online system to provide instant permits for residential systems of 10KW or smaller, 90% of total installations. In the year following the program launch, on-line permits went up by 40%.

Source: L.A. Department of Building and Safety, February 2015



Photo credit: Climate Resolve

# Reducing Delays to Turn On Home Solar Systems

LADWP revamped its Solar Incentive Program (SIP) by automating the rebate process, separating it from interconnection, and simplifying requirements for smaller projects. This has doubled LADWP's capacity, now achieving over 200 meter installs a week. Interconnection wait times have dropped from an average of eight weeks to about three weeks.

Source: Los Angeles Department of Water and Power, February 2015



Photo credit: US Department of Energy

# Partnering with U.S. Department of Energy (DOE) On Smart Grid Demonstration

LADWP and DOE have deployed 51,000 advanced meters for residential, commercial, solar, and EV charging purposes across L.A. Together, customer-generated and automated demand response (DR) testing has shown 22 MW of savings. Customers can view their hourly energy usage and receive messages from LADWP to participate in DR events.

Source: Los Angeles Department of Water and Power, February 2015





## Partner Early Wins



Photo credit: Los Angeles Alliance for a New Economy (LAANE)

### Eastside Sol

REPOWER LA and a community coalition from the Eastside organized “Eastside Sol” L.A.’s first 100% solar powered art and music festival. The event attracted 200 Eastside residents to learn about clean energy. To continue to support local solar and other clean energy technologies in East L.A., Eastside Sol will become an annual event.



Photo credit: Reed Hutchinson, UCLA

### Sustainable LA Grand Challenge

UCLA completed its five year work plan for the Sustainable LA Grand Challenge. It has now kicked off an ambitious interdisciplinary research initiative bringing together over 150 faculty to transform the L.A. region to 100% renewable energy using solar and smart grid technology.



Photo credit: Los Angeles Cleantech Incubator

### Everyone is Picking Pick My Solar

Over the course of 2015, L.A. Cleantech Incubator portfolio company Pick My Solar won \$200,000 in prizes, thanks to recognition from DOE’s Sunshot Catalyst Award, Techweek’s LAUNCH Grand Championship, and Techweek’s LAUNCH L.A. competition. Pick My Solar was also named 2015’s “Outstanding Small Business” from the U.S. Small Business Administration’s Small Business Development Center as part of L.A. Small Business Week.



# Energy Efficient Buildings

Buildings are the largest consumers of electricity in the city and the greatest source of greenhouse gas emissions. Smart, cost-effective retrofits will benefit our buildings for decades, create local green jobs, and lower energy bills. Energy-efficient buildings also reduce LA's contribution to global warming and create healthier, more comfortable spaces. Our city's mild climate enables us to be a national leader in reducing energy consumption and make our buildings more efficient. LA's vision is to significantly reduce energy consumption per square foot across all building types in the city.



We save money and energy by increasing the efficiency of our buildings.

## Progress on Selected pLAn Outcomes

2017



Expand Los Angeles Better Buildings Challenge (LABBC) to 60 million square feet

Over 27 million square feet enrolled in the LABBC this year. In combination with an existing 40 million, L.A. is surpassing the 2017 outcome ahead of schedule.

(Source: LABBC, January 2016)

2017

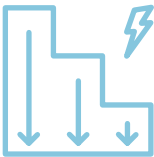


12,500 homes retrofitted with residential PACE financing

With only 8 months of residential PACE, over 2,600 homes have been retrofitted, 21% of the way to our goal.

(Source: CaliforniaFIRST and HERO, February 2016)

2017



Avoid cumulative 1250 GWh of energy use between 2014 and 2017 due to efficiency programs

DWP's efficiency programs have generated 912 GWh of savings

(Source: L.A. Department of Water and Power)

## In the Last Year

Governor Brown signed SB 350, the landmark Clean Energy and Pollution Reduction Act of 2015, which among other things calls for the doubling of energy efficiency savings in electricity and natural gas across the state.

The California Energy Commission adopted the statewide Existing Buildings Energy Efficiency Action Plan which provides a roadmap to achieve efficiency goals. Many strategies align with efforts in the pLAn.

The California legislature adopted AB 802 which calls on utilities to provide whole-building energy usage information to commercial and multi-family building owners to measure consumption over time and inform smart energy decisions.





Feature Story

# Saving Energy and Water One Building at a Time

The LA Better Buildings Challenge (LABBC) partners with L.A. Department of Water and Power (DWP) to help building owners save money by improving the energy and water efficiency of their properties. Through DWP’s Energy Efficiency Technical Assistance Program (EETAP), businesses can access incentives to make vital operational changes. This year, Sumitomo Realty & Development Co. enrolled the InterContinental Hotel in Century City with the LABBC and participated in DWP’s EETAP to identify beneficial energy and water saving projects, upgrade the cooling and heating central plant, and install LED lighting in all 363 guestrooms, achieving an energy savings of 22%. To engage hotel guests they are installing a kiosk screen to display real time energy and water savings in accessible metrics.



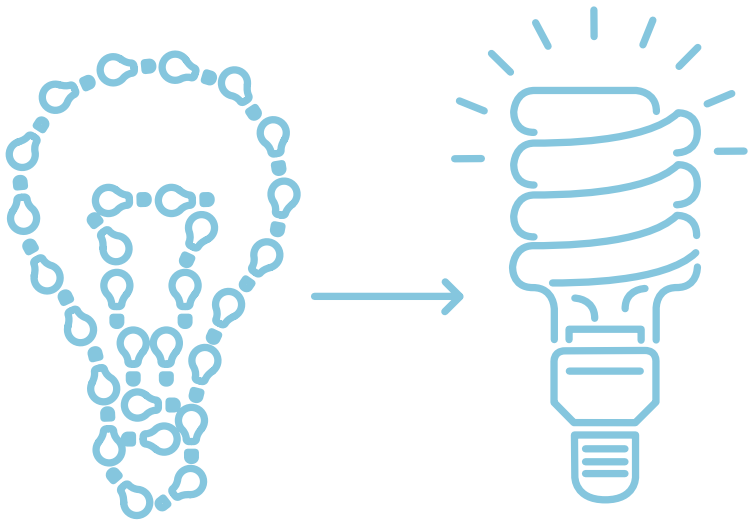
Photo credit: InterContinental Los Angeles

The Wiltern Theater, an Art Deco landmark on the corner of Wilshire Boulevard and Western Avenue, also conducted a comprehensive energy audit. Using DWP’s EETAP upgrades, they installed and completed lighting upgrades, installed window films, cooling tower upgrades, new controls, and fixture replacements that have all resulted in close to a 30% savings in electricity. The historic character of the theater makes it especially notable that they were able to develop such a comprehensive project with valuable savings.

“Just as water conservation is how we will get through our drought and control our water costs, energy conservation is how we will address climate change and keep our power bills low.”

Mayor Eric Garcetti

# L.A.’s Efficiency Programs Have Reduced Energy Use by 912 Gigawatt Hours



This reduces the same amount of greenhouse gas emissions as replacing 16,449,660 incandescent lightbulbs to compact flourescent lightbulbs

Source: LA. Department of Water and Power  
<http://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



City Early Wins



Photo credit: LADWP

# Angelenos Help Shape Important Building Efficiency Policy

In November of 2015, City Council unanimously voted to move forward with an ordinance that will improve the energy and water efficiency of the city’s largest buildings. The strong support was the result of a year’s worth of extensive stakeholder engagement lead by the Mayor’s Sustainability team and Department of Building and Safety, with the support of the City Energy Project and Global Green.



Photo credit: Benny Chan

# Studio City Gymnasium To Become City’s First Net-Zero Energy Building

The Bureau of Engineering kicked off the City’s first Net-Zero Energy pilot project, the Studio City Gymnasium in Beeman Park. While this will be a huge asset to the neighborhood, it will also demonstrate the feasibility of designing self sustaining buildings. We expect the project to be complete in 2019, ahead of code requirements for Zero-Net Energy.



Photo credit: LADWP

# City Saves Energy And Money Through Smart Use of Data

The General Services Department (GSD) is finding innovative ways to save energy and money by tracking energy usage at 300 municipal facilities. By keeping a proactive eye on energy consumption, the City is leading by example, saving money and helping DWP in its citywide effort to achieve 15% energy savings across the board.



## Partner Early Wins



Photo credit: Daniel Paredes, Building Skills Partnership

### Greening The Frontlines Of Building Operations

Through a collaboration with the Building Skills Partnership, U.S. Green Building Council-Los Angeles, Building Owners and Managers Association of Greater Los Angeles, and Service Employees International Union-United Service Workers West, 113 janitors were trained and certified through the new Green Janitor Education Program in 2015. The program was so successful that it is now on track to train close to 100 more janitors in just the first quarter of 2016.



Photo credit: Jodi Christopher, BuroHappold Engineering

### Elevating The Average Office Space

BuroHappold Engineering's new office in downtown L.A. treads lightly on the environment while making the health and well-being of its occupants a top priority. Key features of the design such as lighting controls, solar film, standing workstations, vegetation throughout the space, and a worm composting bin helped them earn the L.A. Green Business Certification.



Photo credit: Kilroy Realty Corporation

### The Savings Continue to Add Up

Kilroy Realty Corporation Los Angeles committed to reducing energy and water usage by 10% in five years. Since adopting the pLAn, Kilroy has reduced energy usage by an additional 2.3% and water usage by another 2.2% across their portfolio, which spans nearly 800,000 square feet of office space.





# Carbon & Climate Leadership



Climate change, one of the greatest challenges facing modern humanity, will have dramatic effects on the Los Angeles area in coming decades. The pLAN sets out an ambitious vision for reducing greenhouse gas (GHGs) emissions, reducing the impact of climate change, and building support for action. Mayor Garcetti's commitment to driving climate action here in L.A., now serves as a rallying cry for other national and global cities, to act together to fight global warming.

Photo credit: Andriano / shutterstock.com

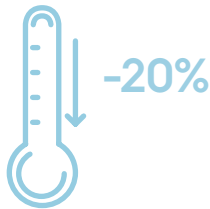


## Vision

As a proactive leader on climate issues, we strengthen L.A.'s economy by dramatically reducing GHG emissions and inspiring other cities to follow our lead.

### Progress on Selected pLAN Outcomes

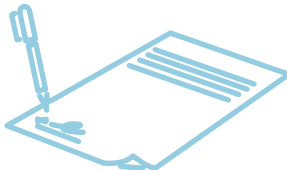
2017



**Reduce GHG emissions below 1990 baseline**

L.A. reduced GHG emissions to 20% below 1990 levels as of 2013.  
(Source: City of L.A. Climate Action Report and Greenhouse Gas Inventory)

2017



**Lead mayors of largest U.S. cities to sign on to Mayors' National Climate Action Agenda**

34 mayors have now joined forces to improve municipal GHG inventories, support the Paris climate agreement and Clean Power Plan, and address critical issues like methane rules.

2025



**Be completely divested from coal-fired power plants**

By selling the Navajo Generating Station, L.A. is on track to fully divest by 2025.

### In the Last Year

2015 was the Earth's warmest since record-keeping began in 1880, with 10 out of 12 months being the warmest on record. The previous warmest year was 2014. This trend demonstrates the impact of climate change.

At COP 21 in Paris, 195 nations reached a landmark accord that will for the first time commit nearly every country to lowering planet-warming greenhouse gas emissions and stave off the most drastic effects of climate change.

In August 2015 President Obama announced his Clean Power Plan, setting achievable standards to reduce carbon dioxide emissions by 32 percent from 2005 levels by 2030.



Feature Story

# Los Angeles is on Track to Go From 50% Coal Power to Coal-Free by 2025

Los Angeles is uniquely placed to promote coal-free energy through its city utility, L.A. Department of Water and Power (LADWP). LADWP has committed to achieve a 50% renewable target by 2030 and to be coal-free by 2025. No other utility in America is undertaking such a significant transformation of its power generation capacity.

To turn this commitment into a reality, an agreement was reached in May to sell LADWP’s 21% share in the coal-fired Navajo Generating Station outside of Page, Arizona.



Photo credit: LADWP

LADWP will stop receiving its 477 megawatt share of coal power from Navajo when the sale closes on July 1, 2016. As a result, one of the coal-fired power units will be permanently shut down, which will significantly reduce total US carbon emissions.

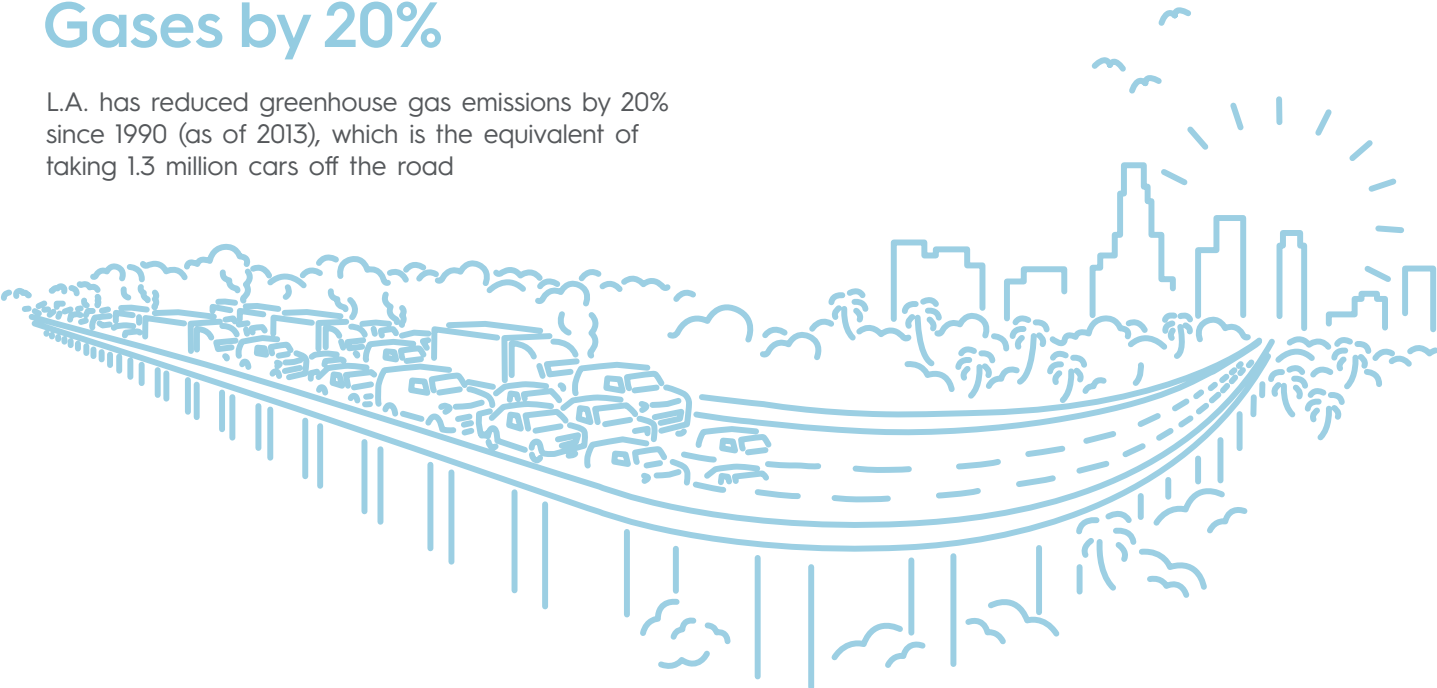
The sale will reduce LADWP’s greenhouse gas emissions by 5.39 million metric tons over the next 3 ½ years—equivalent to taking over one million cars off the road.

“It is critical to show the world how cities are leading the way in combating climate change. We are transforming our City day-by-day. L.A.’s electrical grid is moving toward becoming coal-free by 2025. We are getting closer to having the largest EV fleet of any city in the U.S. We are providing residents with more opportunities to go solar and drive electric – or not drive at all.”

Mayor Eric Garcetti

## L.A. Reduced Greenhouse Gases by 20%

L.A. has reduced greenhouse gas emissions by 20% since 1990 (as of 2013), which is the equivalent of taking 1.3 million cars off the road



City Early Wins

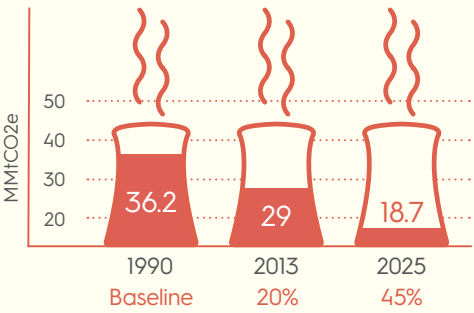


Image credit: Terry Diamond

## Completed the First Greenhouse Gas Emissions Inventory in a Decade

L.A. produced its 2013 inventory, its first in ten years, and updated its 1990 baseline inventory. This showed a 20% reduction in emissions, meaning L.A. is nearly halfway toward its 45% 2025 reduction target. L.A. was the first U.S. big city to apply the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories standard developed for the Compact of Mayors.



Photo credit: City of L.A.

## Mayor Garcetti and L.A. Leading Nationally on Climate Change

Mayor Garcetti established the domestic Mayors’ National Climate Action Agenda (MNCAA) with Houston and Philadelphia’s mayors. With 34 U.S. Mayors now members—including the nation’s 5 largest U.S. cities—MNCAA launched their 100 days to Paris #ClimateMayors, while also organizing cities to support President Obama’s Clean Power Plan.



Photo credit: City of L.A.

## L.A. Hosts First U.S.-China Climate Leaders’ Summit

Mayor Garcetti hosted the first U.S.-China Climate Leaders’ Summit in October 2015, a landmark meeting between American and Chinese officials that led to the “U.S.-China Climate Leaders Declaration,” which reinforced U.S. and Chinese cities’ commitment to fighting climate change.



## Partner Early Wins



Photo credit: LADWP

### The City Joined the Fight to Protect the President’s Clean Power Plan

Los Angeles joined 53 other cities and local governments in filing an amicus brief in support of President Obama’s Clean Power Plan (CPP), and asking the D.C. Circuit Court of Appeals to allow the Environmental Protection Agency to regulate greenhouse gases emitted from existing power plants. LADWP also has joined with other utilities in a motion to intervene in support of the CPP, and is committed to transitioning off coal by 2025



Photo credit: LA Public Library

### Raising Awareness in City Libraries, and Helping Residents Conserve

The city’s 73 libraries are loaning patrons devices to monitor energy use in their homes, providing residents with water saving devices like low-flow showerheads, and raising awareness about climate change and sustainability via programs, books and other items.



Photo credit: Climate Resolve

### Climate Day LA

Climate Resolve and ecoAmerica held the first ever Climate Day LA, bringing together over 600 Angelenos to discuss their role in being part of the solution to climate change. The conference culminated in the Los Angeles Declaration on Climate Change, sending a unified message of support for climate action from the faith, health, education, government, and business sectors.

# Waste & Landfills

Every household and business in the city generates waste, and our local landfills are filling up. By managing our waste in a smarter way through recycling and reusing materials such as packaging, food waste, and old electronics, we can turn this problem into an opportunity. Embracing resource recovery will provide opportunities for Los Angeles to use new technologies and methods, propelling us toward a cradle-to-cradle future, where most waste is ultimately reused locally rather than exported elsewhere. Recovering materials from the waste stream and reusing them locally will decrease our need for diminishing resources and stimulate green-job growth.



L.A. becomes the first big city in the U.S. to achieve zero waste, and recycle and reuse most of its waste locally.

## Progress on Selected pLAn Outcomes

2017



**Expand local organic waste collection program**  
The L.A. Bureau of Sanitation initiated a food waste collection and composting pilot program for 8,700 households, and expansion planning is underway.

(Source: Bureau of Sanitation)

2017



**Implement a waste franchise system to increase recycling, reduce pollution and reach an 80% diversion rate**  
The Zero Waste L.A. Commercial and Multifamily Franchise System is scheduled to start summer 2017.

2025



**Increase landfill diversion rate to at least 90%**  
With the implementation of Zero Waste LA in 2017 and other programs, L.A. will take the next steps to move from 76.4% diversion to 90% diversion by 2025.

(Source: L.A. Bureau of Sanitation)

## In the Last Year

**Governor Jerry Brown signed Assembly Bill 1826 requiring commercial customers to sign up for composting or anaerobic digestion service starting this year. This will create a demand for compost and the facilities and investments needed to increase its collection and use.**

**Based on CalRecycle's 2016 "State of Disposal in California," California's 2014 recycling rate was 50%.**

**Assembly Bill 341 established a new statewide goal of 75% recycling through source reduction, recycling and composting by 2020**





## Feature Story

# Where Zero Means More

The City of Los Angeles Public Works’ Bureau of Sanitation (BOS) has made great strides towards developing the largest and most ambitious Commercial and Multifamily Franchise system (Zero Waste LA) in the country. Zero Waste LA expands local organic waste-collection; and through a waste franchise system in 2017 will increase commercial recycling rates, reduce pollution from heavy-duty waste-hauling vehicles, and enhance material recovery opportunities to reach an 80% diversion rate by 2020. The Zero Waste LA system will bring environmental benefits to its customers and

businesses, simplify the process of receiving waste services, require excellent customer service, and provide the infrastructure development needed to reach Zero Waste. The City of L.A., in addition to its 90 percent diversion goal, incorporated goals such as fair customer rates, improving air quality, and improving health and safety for waste workers. L.A. also developed a Solid Waste Integrated Resources Plan (SWIRP), which lays out strategies for how to meet its Zero Waste goals.



Photo credit: Bureau of Sanitation

“This is one of the most ambitious programs of its kind in the world and will provide clean air, good jobs, and recycling for all.”

Mayor Eric Garcetti

# L.A. Recycles and Diverts 3 Times More Waste than Actually Goes to the Landfill

Los Angeles diverted enough waste for recycling to fill the L.A. Coliseum 21 times.



## City Early Wins



Photo credit: LA Bureau of Sanitation

### Clean Fuel Program

L.A. Bureau of Sanitation (BOS) opened a new compressed natural gas (CNG) fueling station as part of its “Clean Fuel Program.” Currently, over 75% of the City’s collection fleet use clean fuel. The new fueling station will move the City closer to its target of 100%.



Photo credit: LA Bureau of Sanitation

### Digester Gas Utilization Project

In November 2015, BOS began construction on the Digester Gas Utilization Project (DGUP) at the Hyperion Water Reclamation Plant. This 25-megawatt digester gas renewable energy project will eventually completely fulfill the energy needs at Hyperion. It is set for completion in December 2016.



Photo credit: Los Angeles Police Department

### Cops Commit to Reducing Paper Use

After the release of the pLAn, the LAPD integrated several sustainability priorities into the department’s Strategic Plan. Given the enormous amount of paper used for printing investigative reports and other needs, Chief Charlie Beck sent out a bulletin directing the 10,000 men and women of LAPD to reduce paper use through double-sided copying, e-reporting, and other conservation strategies. Now the paper reduction policy is being modeled by other City departments.





## Partner Early Wins



Photo credit: Los Angeles Alliance for a New Economy

### Don't Waste L.A. Coalition

Don't Waste LA is a coalition of over 36 community, environmental, faith and labor organizations working to increase L.A.'s recycling and composting while cleaning up a historically dirty and dangerous industry. The Coalition was a driving force behind L.A.'s new waste hauling franchise system, launching in 2017.



Photo credit: L.A. Bureau of Sanitation

### Big Belly Solar Trash and Recycling Compactors

L.A. Bureau of Sanitation joined Councilmember Gil Cedillo (Council District 1) and community members in announcing the installation of 66 Big Belly solar trash compactors and 24 recycling bins in three high traffic areas of the District. The placement of these compactors is part of an overall City effort to reduce litter, increase recycling, and improve the quality of life.



Photo credit: L.A. Bureau of Sanitation

### Clean Streets Corps Tackling Abandoned Waste in our Streets

The creation of a Clean Streets Corps—a partnership between the city and Neighborhood Councils, community organizations, businesses and residents—will help create a cadre of engaged people who will call 311 and report areas that need to be cleaned up. This is part of Mayor Garcetti's "Clean Streets" initiative which deploys Clean Street Crews to target abandoned waste hot spots, alleys and chronic dumping areas, and excess vegetation throughout the City.





# Housing & Development

The availability and affordability of housing are among the most visible and important economic issues facing Angelenos today. They're also critical elements to a strong and thriving Los Angeles. The pLAn and its strategic initiatives aim to ease housing costs, lower utility bills, promote appropriate development, encourage housing around transit, and increase the production and preservation of affordable housing. These steps will allow Los Angeles to serve all individuals and families, while improving total housing affordability in L.A. and preventing the loss of existing affordable housing.



## Vision

We address L.A.'s housing shortage, ensure that most new units are accessible to high-quality transit, and close the gap between incomes and rents.

### Progress on Selected pLAn Outcomes

2017



Increase the annual amount of funds dedicated to affordable housing by at least 33%

L.A. more than doubled the amount of funds available for affordable housing, including more than \$5M to the Affordable Housing Trust Fund.

2017



Increase cumulative new housing unit construction by 37,500, on way to 2021 goal of 100,000 units\*

The City has permitted 37,702 units from July 2013 to December 2015, putting us on track to meet this goal.

(Source: L.A. Department of Building and Safety)\*  
\*This outcome reflects 2017 interim progress toward the 2021 and 2025 Outcome for New Housing.

2025



Issue permits for 17,000 new units of housing within 1,500 feet of transit

The City permitted 11,195 new housing units within 1,500 feet of transit, 2/3 of the way toward the 2017 outcome.

(Source: L.A. Department of Building and Safety)

### In the Last Year

City Councilmembers introduced motions to encourage granny flats as accessory dwelling units and to collect rent data to better target affordable house preservation.

In October 2015, Assembly Bill 744 was signed into law which allows affordable housing developers to significantly save on costs by decreasing parking space requirements for affordable housing.

In November 2015, the Department of Building and Safety implemented a variety of development reform initiatives to streamline the development of new housing, including the Expanded Counter Plan Check Program.





Feature Story

# L.A. Secures \$30 Million from the Cap and Trade Funded Affordable Housing and Sustainable Communities (AHSC) Program

Providing affordable and accessible housing are critical elements to make Los Angeles a strong and thriving city. The pLAN and its strategic initiatives aim to ease housing costs, promote appropriate development, encourage new housing near transit, and increase the production and preservation of affordable housing. A major win for the City in the past year was doubling the City’s allocation of \$15 million from the Affordable Housing and Sustainable Communities (AHSC) Program. The \$30 million available to the City for 2016 will fund more than 700 units of affordable housing units. More than 200 of these units are specifically targeted for homeless residents, and about 100 are dedicated to seniors.

One of the recent AHSC project awardees is the MacArthur Park Apartments Phase B. This project is an example of a successful public-private partnership to develop a mixed-income community that contains affordable housing and pedestrian-oriented retail. The project sits on a regional transit hub that feeds into a network of bus and rail lines stretching across LA County. The project is a joint development effort by McCormack Baron Salazar (MBS) and LA County Metro and a model for effective transportation and land use planning. Projects like this help implement policy objectives of reducing vehicle trips in order to ultimately achieve the goal of eliminating harmful greenhouse gas emissions and fostering sustainable growth.

“The Strategic Growth Council’s substantial AHSC award to developments in Los Angeles is a true testament to Mayor Garcetti’s leadership to bring alternative funding sources for the production of new affordable housing near transit here in the city.”

Robin Hughes, President and CEO of the affordable housing developer Abode Communities



Photo credit: McCormack Baron Salazar

## L.A. on Track to Build New Housing

37,702 new housing units permitted in the City of Los Angeles from June 2013 to December 2015



City Early Wins

### Streamlining Affordable Housing

In October 2015, the Mayor signed Executive Directive 13, which instructed Department of Building and Safety, Housing and Community Investment Department, and Department of Planning to streamline housing developments that have at least 20% of their units listed as affordable. The Executive Directive also asks departments to create priority processing incentives for housing developments that include targeted levels of affordable units.



Photo credit: L.A. Mayor’s Office

### Helping Renters Understand their Rights

In January 2016, the Mayor’s office announced new initiatives that increase awareness of renters’ rights and landlord obligations under the City’s Rent Stabilization Ordinance (RSO). For example, any member of the public can find out whether a property is rent-stabilized by visiting L.A.’s Zoning Information & Map Access System (ZIMAS) and whether an application was submitted to remove a rent-stabilized property from the rental market under the Ellis Act within the previous 5 years.



Photo credit: Housing & Community Investment Department

### Launched Affordable Housing Nexus Fee Study

In October 2015, the Mayor announced his support for studying and ultimately adopting an affordable housing linkage fee on new development that could raise tens of millions of dollars for affordable housing activities. To inform the Council and Mayor on policy options for this initiative, the Mayor launched a new affordable housing nexus fee study managed by the Department of City Planning and the Housing and Community Investment Department.



Photo credit: Housing & Community Investment Department





## Partner Early Wins



Photo credit: Adobe Communities

### Los Angeles Expands New Generation Fund

In August 2015, Mayor Garcetti, the L.A. Housing and Community Investment Department, and Enterprise Community Partners, Inc. expanded the City’s New Generation Fund, bringing an additional \$50 million to create, preserve and retrofit affordable housing in L.A. Since 2008, the New Generation Fund has provided \$107 million for the construction and preservation of 2,000 affordable units.



Photo credit: Habitat for Humanity of Greater Los Angeles

### Habitat for Humanity Kicks off their “Adopt the pLAn” Commitment

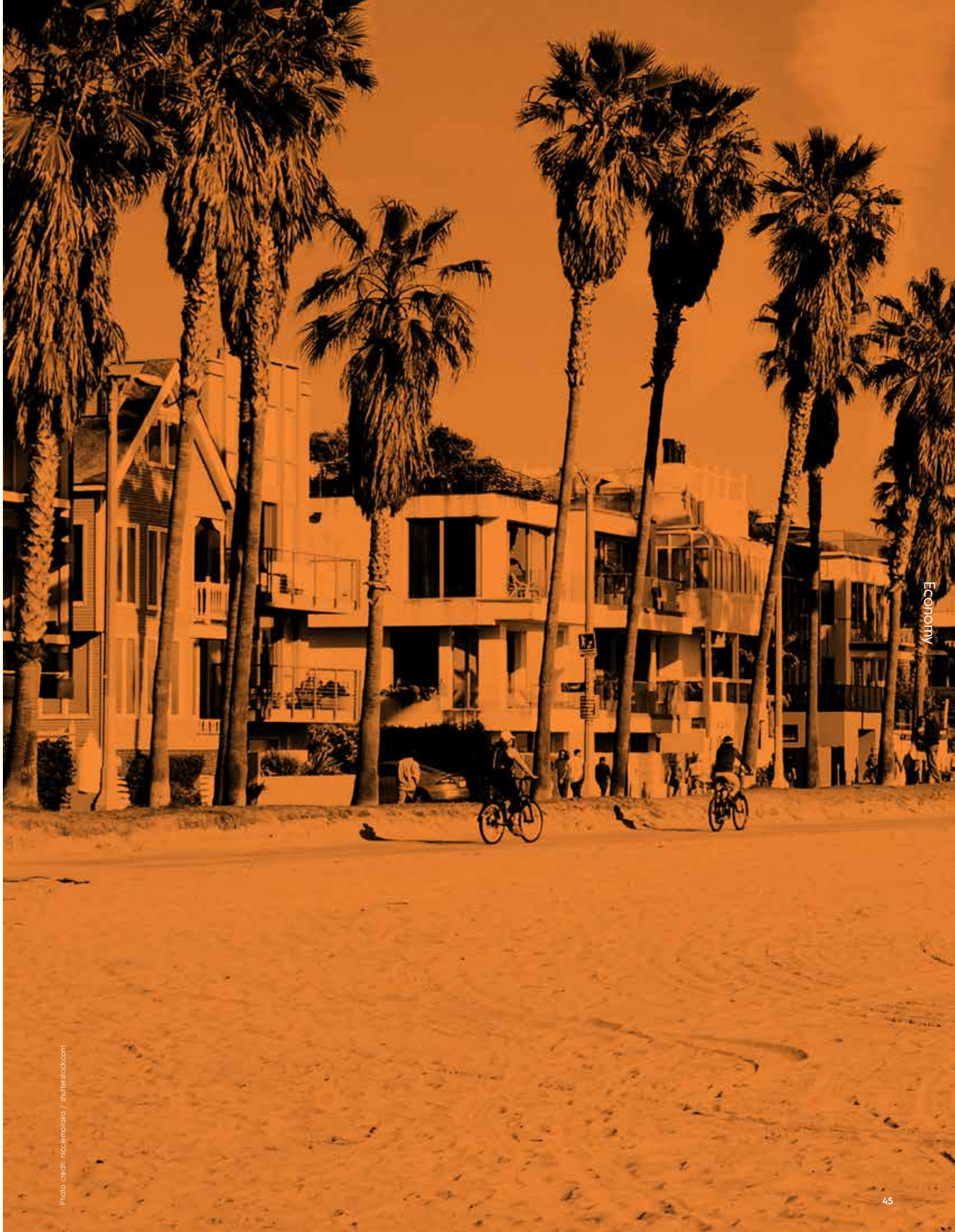
In October 2015, Habitat for Humanity L.A. began water wise retrofits for 1000 homes as part of their “Adopt the pLAn” commitment. Habitat L.A., with more than four-hundred Lowe’s employee volunteers, spent over 5,000 volunteer hours changing lawns to synthetic grass and mulch, planting drought tolerant plants, as well as installing new low-flow toilets and shower heads.



Photo credit: Metro

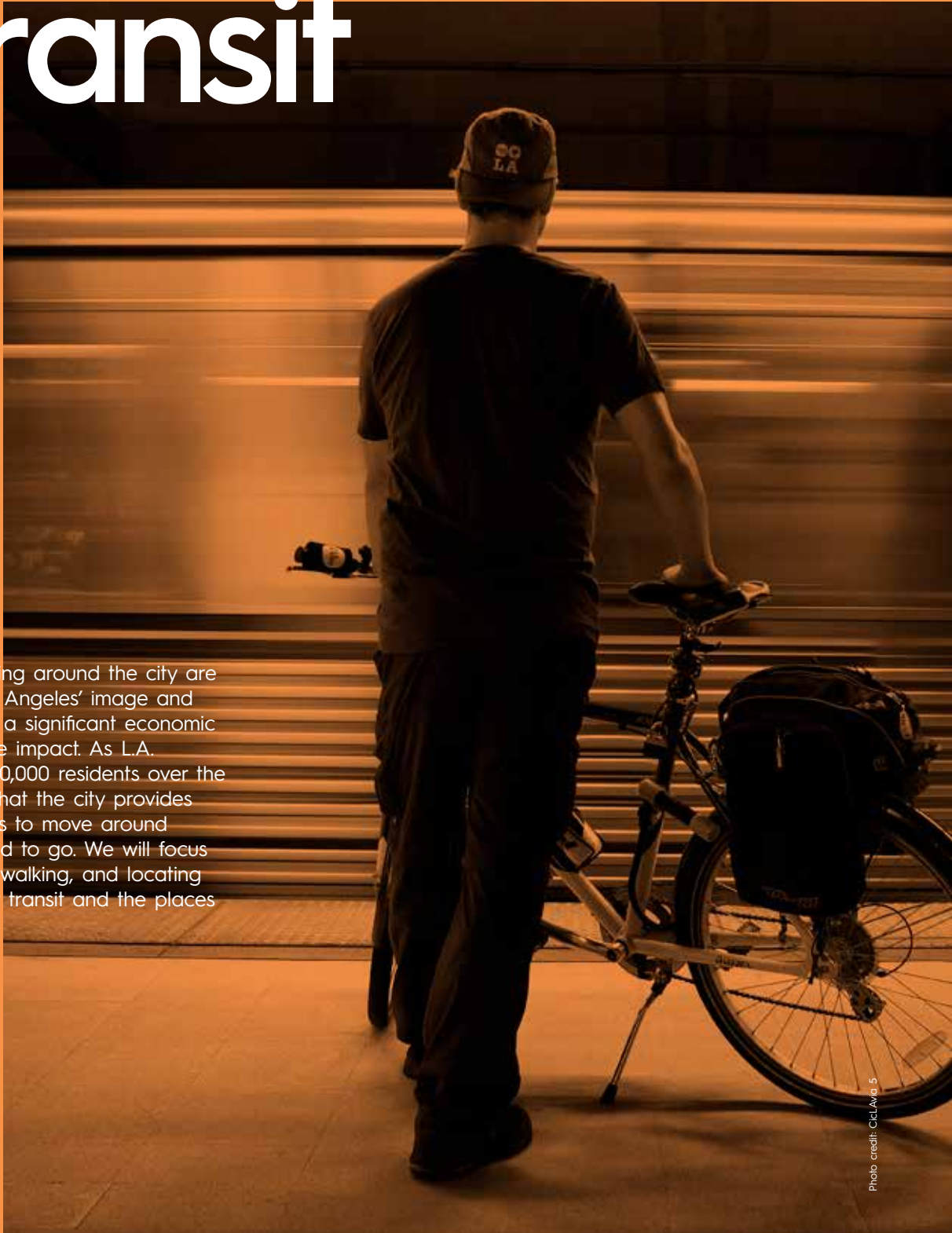
### Metro Approves New Goals for Affordable Housing

In July 2015, the Metro Board approved Mayor Garcetti’s suggested approach to joint development projects, with a goal of including at least 35% affordable housing in new developments on Metro-owned land.





# Mobility & Transit



Traffic and difficulty in moving around the city are an unfortunate part of Los Angeles' image and reality. Traffic also presents a significant economic challenge and quality of life impact. As L.A. expects to add another 500,000 residents over the next 20 years, it is critical that the city provides more options for Angelenos to move around and get to where they need to go. We will focus on public transit, bicycling, walking, and locating Angeleno's residences near transit and the places they would want to travel.



## Vision

We invest in rail, bus lines, pedestrian/bike safety, and complete neighborhoods that provide more mobility options and reduce vehicle miles traveled.

### Progress on Selected pLAn Outcomes

2017



Complete L.A. Metro's regional integrated bike share system plan

The Mayor's Office worked with L.A. Department of Transportation (LADOT) and Metro to complete and release the Bike Share Implementation Plan. (Adopted June 25, 2015)

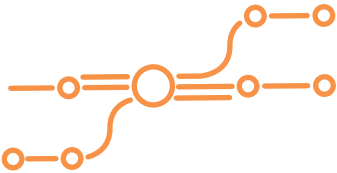
2017



Establish bike share system in L.A. starting with at least 65 stations and 1,000 bicycles

The Mayor's Office & LADOT worked with Metro to select the provider for L.A.'s downtown bike share program, which is set to launch Summer 2016, with 80 stations and 1,090 bicycles.

2025



Increase multi-modal connections at 10 rail stations

LA Metro completed multi-modal connections at 11 rail stations, including via 42 car share vehicles with Zip Car.

### In the Last Year

To make mobility in Los Angeles easier for residents and visitors, LAX now welcomes pick-ups from transportation network companies (TNCs) like Lyft and Uber.

Los Angeles has the highest number of Waze users in the United States, with about 1.3 million Angelenos sharing information on Waze each month. The city is second in the world, behind Sao Paulo.

L.A. Metro began to update its Long Range Transportation Plan (LRTP) and released a draft expenditure plan for a Potential Ballot Measure that will enhance mobility and position the region for future growth and transportation needs.





Feature Story

# Connecting the Skyline to the Shoreline

February 2016 marked substantial completion of the Exposition Line Extension to Santa Monica and the transfer of the management of the line from the state created Expo Authority to Metro. Scheduled to open on May 20th, 2016, Phase 2 of the Metro Expo Line project is a 6.6-mile extension of the 80-station Metro Rail System from the existing station at Culver City west to Santa Monica. Phase 2 connects Santa Monica by rail to Downtown L.A., Pasadena, San Fernando Valley, South Bay, Long Beach and dozens of points in between. With seven new stations serving diverse L.A. neighborhoods such as Century City, West Los Angeles, and Santa Monica, the Metro Rail system will now expand to 87 stations and over 93 miles of rail to destinations across L.A. County.



Photo credit: Metro

“We have a front row seat to the union of transportation and technology, which we will continue to push to improve options for all Angelenos. But no matter how connected or driverless our commutes become, what makes Los Angeles great are safe, beautiful public spaces and streets.”

**Seleta J. Reynolds,**  
General Manager, Los Angeles Department of Transportation

“With our eyes on the horizon, we’re building the best, most innovative, balanced and customer-focused transportation system in the world for one of the best regions in the world.”

**Phillip A. Washington,**  
Chief Executive Officer, Metro

# L.A. Bike Share Surpasses Goal

L.A.’s downtown bike share will deploy 1,090 bikes in 2016



City Early Wins



Photo credit: Medgar Parrish, L.A. Department of Transportation

# Xerox’s Go LA Helps Angelenos Make Greener Transit Choices

Mayor Garcetti’s newly appointed transportation technology fellow worked with LADOT and Xerox to launch the Go LA app – giving residents the ability to filter transportation choices by price, speed and environmental impact – which is just one example of the City’s work to position itself as a national model in sustainable, tech-enabled transportation.



Photo credit: Medgar Parrish, L.A. Department of Transportation

# Moving Out of the Way to Move People Faster

Public Works Bureau of Contract Administration (BCA) mobilized more inspectors to oversee and help expedite City of L.A. permits needed for Metro Rail Projects such as the Expo Light Rail Transit line, the Regional Connector, the Crenshaw/LAX Corridor and the Westside Subway Extension Projects. In doing so, BCA reduced impacts and delays on construction to electric, water, and sewer services by 62 percent.



Photo credit: Medgar Parrish, L.A. Department of Transportation

# Expanding Dynamically Priced Parking to Support Transit Goals

On November 5, 2015, Mayor Garcetti and LADOT expanded LA Express Park, L.A.’s award-winning demand based parking management program to Westwood. With the addition of Westwood, close to 20% of all on-street meters are now part of LA Express Park and further expanding dynamically priced parking further across the City.





## Partner Early Wins



Photo credit: Joe Linton/Streetsblog L.A.

### Metro Investing in L.A. Public Transportation

The \$818 million Gold Line Foothill Extension Phase 2A is the first Measure R sales tax-funded project to open for service. With the addition of nearly 12 miles in the San Gabriel Valley, it will become Metro's longest rail line in L.A. County at 31 miles. The Extension is projected to carry 13,600 passengers per day by 2035.



Photo credit: Joe Linton/Streetsblog L.A.

### One More Traffic Solution

In April 2015, Metro opened an additional five miles of bus-dedicated lanes, which also allow bicycles, along Wilshire Blvd. The project is intended to further improve bus passenger travel times, service reliability and ridership of the existing Wilshire corridor.



Photo credit: Metro

### The Silver Line Express is a Time Saver

In December 2015, Metro's Silver Line extended its reach, traveling south from the Harbor Gateway Transit Center all the way to San Pedro. The Silver Line Express, which uses the I-110 Harbor Freeway Express Lanes, will save riders 15-20 minutes each trip.





# Prosperity & Green Jobs



The economic power of individual workers and the green business sector are key components of a sustainable city's strength and vitality. Developing prosperity through green jobs can drive triple bottom-line returns that achieve economic success, improve equity, and strengthen the environment. The City has already passed a landmark minimum wage law and is quickly closing the unemployment gap with the county. Future opportunities include increasing the number of green jobs through water and energy efficiency, solar and transit investment, while improving our national and global competitiveness in the clean tech sector.



## Vision

We strengthen and grow our economy including through increased green jobs and investments in clean technology sectors.

### Progress on Selected pLAn Outcomes

2017



Increase minimum wage to \$13.25/hr.

Landmark \$15/hr minimum wage passed. (June 13, 2015)

2017



Achieve \$100 million of green investment through the LA Cleantech Incubator (LACI)

Through the end of 2015, LACI portfolio companies have raised over \$70 million.

(Source: LACI, January 2016)

2025



Reduce unemployment gap between City and County from 0.6% to 0.35%

L.A. reduced the unemployment gap to 0.3%, a 50% reduction since November 2014.

(Source: Bureau of Labor Statistics, CA Employment Development Department, January 2016)

### In the Last Year

Following L.A.'s lead, the County of Los Angeles, Santa Monica, Long Beach and Pasadena approved similar increases. This created the momentum that brought Governor Brown, lawmakers and labor leaders together to approve a statewide \$15 minimum wage in April 2016.

As part of the multi-billion dollar modernization happening at LAX, the Midfield Satellite Concourse Project is on track to achieve LEED Silver certification.

Through the Prop. 39 Clean Energy Jobs Act, over 1,700 California schools, including 425 in L.A., secured \$350 million in grants for energy efficiency and renewable energy projects.





Feature Story

# LA is First Big City to Introduce \$15 Minimum Wage

In 2015 Mayor Garcetti signed LA's largest anti-poverty measure into law, increasing the City's minimum wage to \$15.00 per hour by 2020. The law will give a raise to more than 600,000 Angelenos currently earning minimum wage, helping lift them and their families out of poverty. The City of Los Angeles is leading the way in the region, setting the example for other local cities, the county and the state. In addition to the minimum wage, Mayor Garcetti signed into law an ordinance

passed by the City Council that establishes an Office of Wage Standards (OWS), with \$500,000 budgeted in fiscal year 2015-2016 to fund investigators and outreach efforts to ensure businesses are paying workers their fair share. The OWS will work to curtail wage theft and ensure a level playing field for businesses in Los Angeles, working in conjunction with current State efforts to enforce the minimum wage.



Source: LA Mayor's Office

**"The minimum wage shouldn't be a poverty wage. This is about the idea, that American ideal, that when someone works hard, they should be able to support themselves, and they should be able to support their families."**

**Mayor Eric Garcetti**

# 9,746 Green Jobs Created

Since July 2013, analysis shows that 9,746 green jobs have been created in Los Angeles from the solar, energy efficiency, and water sectors, as well as from LA Clean Tech Incubator companies. (NOTE: Green jobs created from transportation and recycling investment in L.A. are not yet included)



City Early Wins

# LACI is the #1 Cleantech Incubator Globally

The LA Cleantech Incubator (LACI) has proven a successful incubation and commercialization model, ranking #1 globally for cleantech. LACI has helped over 40 companies raise \$70+ million and create more than 800 jobs.



Photo credit: LA Cleantech Incubator

# San Pedro Brewery Goes Green with Help Of City

In February the Economic & Workforce Development Department (EWDD) approved a \$442,845 loan to help craft beer maker Brouwerij West build a brew plant and tap room in San Pedro. The brewery's state-of-the-art brewing equipment uses 30% less water than traditional methods and will create 25 jobs.



Photo credit: LA Mayor's Office

# LA Kitchen Launched

The Economic and Workforce Development Department (EWDD) helped fund LA Kitchen. In a 15-week program, former foster youth and incarcerated people will learn how to cook. LA Kitchen becomes the anchor tenant of LA Prep, a former warehouse in Lincoln Heights converted into 56 commercial-grade kitchen spaces for startup food makers.



Photo credit: LA Kitchen





## Partner Early Wins



Photo credit: Net Zero Plus Electrical Training Institute

### Largest Net Zero Retrofit in So Cal Nears Completion

The Net Zero Plus Electrical Training Institute will be completed in April 2016. The facility, just outside the city boundary, will be a demonstration center and living laboratory for a variety of emerging energy technologies while serving as a training center for our city's future cleantech workforce.



Photo credit: LA Mayor's Office

### Homeboy Industries Expands the Solar Training Program

With \$100,000 in new donations, the Homeboy Solar Panel Training & Certification program has committed to training 150 previously incarcerated or previously gang-affiliated individuals in solar panel installation in 2016. Since the inception of the program in 2008, more than 500 formerly incarcerated or gang affiliated individuals have been trained in solar panel installation.



Photo credit: GRID Alternatives

### Advancing Equity in Solar Industry

As part of GRID Alternatives' National Women in Solar Initiative, top female executives and job trainees from the Los Angeles Conservation Corps installed solar on a home in South Los Angeles. The program supports women in their professional growth while providing hands-on skills training. Since 2014 job trainees have logged more than 3100 training hours and 25 have secured employment in the solar industry.



Photo credit: blickerforlondon / shutterstock.com



# Preparedness & Resiliency



We must prepare Los Angeles for future earthquakes and increasing climate disruptions facing our city, including bigger wildfires, longer and hotter heatwaves, and rising sea levels. Whether in the form of distributed water solutions to help increase local water supplies and fight fires post-earthquake, or the integration of grid-tied solar powered backup systems to keep fire stations running, it is immediately necessary to have proactive solutions to prepare the city.

Photo credit: L.A. Department of Water and Power



## Vision

We are prepared for natural disasters, and we decrease our vulnerability to climate change.

### Progress on Selected pLAn Outcomes

2017



**Implement enhanced “Reverse 911” system to incorporate mobile phones and alerts**

NotifyLA can now deliver messages to land lines and self-registered mobile devices in times of emergency.

(Source: L.A. Emergency Management Department, 2016)

2017



**Install 10,000 new cool roofs**

712 new cool roofs installed since early 2015 equals 1,267,055 square feet of new cool roofs.

(Source: L.A. Department of Water and Power, L.A. Department of Building and Safety, February 2016)

2025



**Urban Heat Island: Reduce urban/rural temperature differential by at least 1.7 degrees by 2025 and 3.0 degrees by 2035**

L.A. is the first City in the US to set a temperature target, and is working with USC to develop a tracking and reporting protocol.

### In the Last Year

The California Environmental Protection Agency (CalEPA) released a study identifying and quantifying urban heat islands (UHI) across the state, finding disproportionate UHI impacts in L.A.

Los Angeles hired its first Chief Resiliency Officer who kicked off a process for developing a Resiliency strategy that will look broadly at expanding and building upon city-wide resiliency efforts.

Based on last winter’s expected El Niño season, L.A. took a proactive approach to preparedness with Mayor Garcetti’s Executive Directive 14, coordinating City resources early, and establishing an online, one stop shop for preparing for anticipated storms– which included an El Niño Watch Map and distribution of rain barrels.





Feature Story

# Growing our Budget to Grow our Trees

Urban heat island reduction requires various strategies, including cool roofs, cool pavement, and tree planting. City Plants, a public-private partnership between the City of L.A. and non-profit and business groups, was awarded \$3.3 million from the state of California via cap and trade funding. This money is directed toward planting and maintaining over 4,000 trees along streets, open spaces, and in residents’ yards, concentrating on some of the most low canopy parts of the City, including Pacoima, Sun Valley, San Fernando, Pico Union, Westlake, South L.A., Vermont corridor, and San Pedro. These trees also help with stormwater capture and urban beautification.



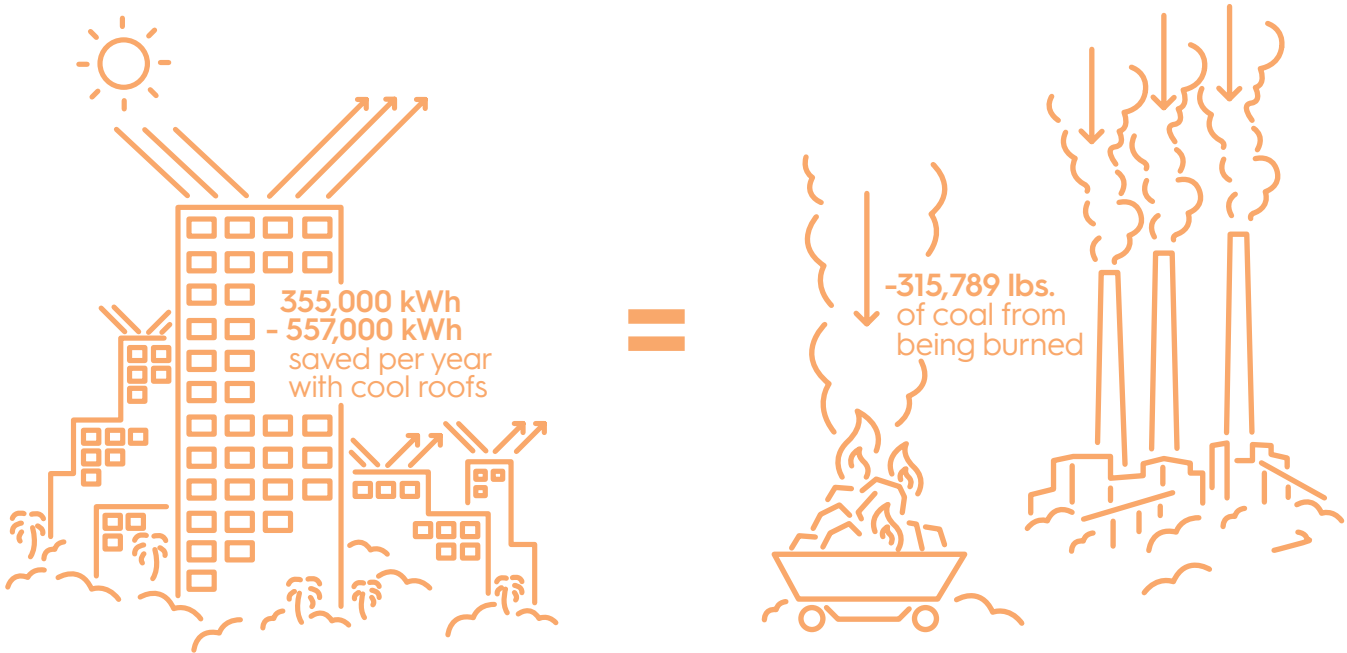
Photo credit: City Plants

“Planting trees not only helps us fight climate change, but also makes us more resilient against its impacts, and beautifies the community at the same time. We have great partners, and together we are working to protect and improve the most vulnerable communities in L.A.”

Elizabeth Skrzat, Program Director, City Plants

# Helping Make L.A. Cooler

Cool roofs installed since 2015 are saving 355,000 kWh to 557,000 kWh annually, equivalent to saving approximately 315,789 lbs of coal from being burned



City Early Wins



Photo credit: L.A. Bureau of Street Services

# The Coolest Cool Pavement in Town

In July 2015, L.A.’s Bureau of Street Services partnered with the Recreation and Parks Department to pilot a “cool pavement” coating at the Balboa Sports Complex parking lot. The material successfully cooled the surface by approximately 10 degrees compared to the adjacent, untreated black asphalt, while passing the slip and skid tests required for use on public streets.



Photo credit: L.A. Mayor's Office

# Seismic Retrofitting L.A.’s most Vulnerable Buildings

In October 2015, Mayor Garcetti took a historic step in protecting people and property when he signed into law an ordinance mandating the retrofits of approximately 13,500 soft-first story and 1,500 concrete buildings in the city. This effort, spearheaded by City Councilmember Cedillo, was a collaboration between property owners, tenants, and the City.



Photo credit: Erickson-Hall Construction Co

# Reducing Energy Use and Providing Backup Solar Power During Emergencies

In October 2015 Mayor Garcetti launched a partnership with L.A. Fire Department Foundation and Bolloré Group. The project will incorporate a solar energy system, tied to both the electrical grid and backup battery power to help a LAFD fire station reduce energy use, enhance energy security, and maintain crucial emergency services in the event of earthquakes or climate-related disruptions.





## Partner Early Wins



Photo credit: Habitat for Humanity of Greater Los Angeles

### Installing Climate Ready Roofs

Grid Alternatives, Habitat for Humanity of Greater Los Angeles, and Climate Resolve completed its first home in South LA as part of a new collaboration to bring renewable energy and climate resilience to disadvantaged communities in L.A. The partnership installs free solar panels and cool roofs on low-income, single-family homes, and expects to complete another 15-20 homes in 2016.



Photo credit: Bureau of Sanitation

### Making Climate Smart Decisions in L.A.

Trust for Public Land is developing a tool to help cities identify priority locations for multi-benefit green infrastructure in underserved communities. Using data layer and GIS modeling, this tool will help cities prioritize investments, such as trees to reduce urban heat island and permeable surfaces to reduce urban flooding, that meet the desired climate and social resiliency outcomes.



Photo credit: TreePeople

### Piloting High Tech Water Resilience

In an effort to help Angelenos be more resilient against constrained water supply and storms, TreePeople is helping L.A. City and County launch the LA StormCatcher Project. This project retrofits homes with real time, cloud-based cisterns and rain gardens to both optimize their water supply, quality, and flood prevention potential, and offer distributed water sources, which the Resilience by Design plan identifies as key to fighting fires and meeting human needs after an earthquake.





# Air Quality



Los Angeles has made historic strides in improving its air quality since the 1970s, yet more work is required to protect public health and improve our air. Mobile sources (trucks, ships, aircraft and personal vehicles) emit 90% of the region’s air pollutants. A key piece of the solution will be Los Angeles facilitating the transition to low and zero emission transportation primarily through electric vehicles (EVs) and promoting more sustainable modes of transport. We will strive to eliminate non-attainment days (i.e., air pollutants exceed federal standards) by making EVs more convenient and practical, and by shifting commercial goods movement to lower or zero emission technologies.

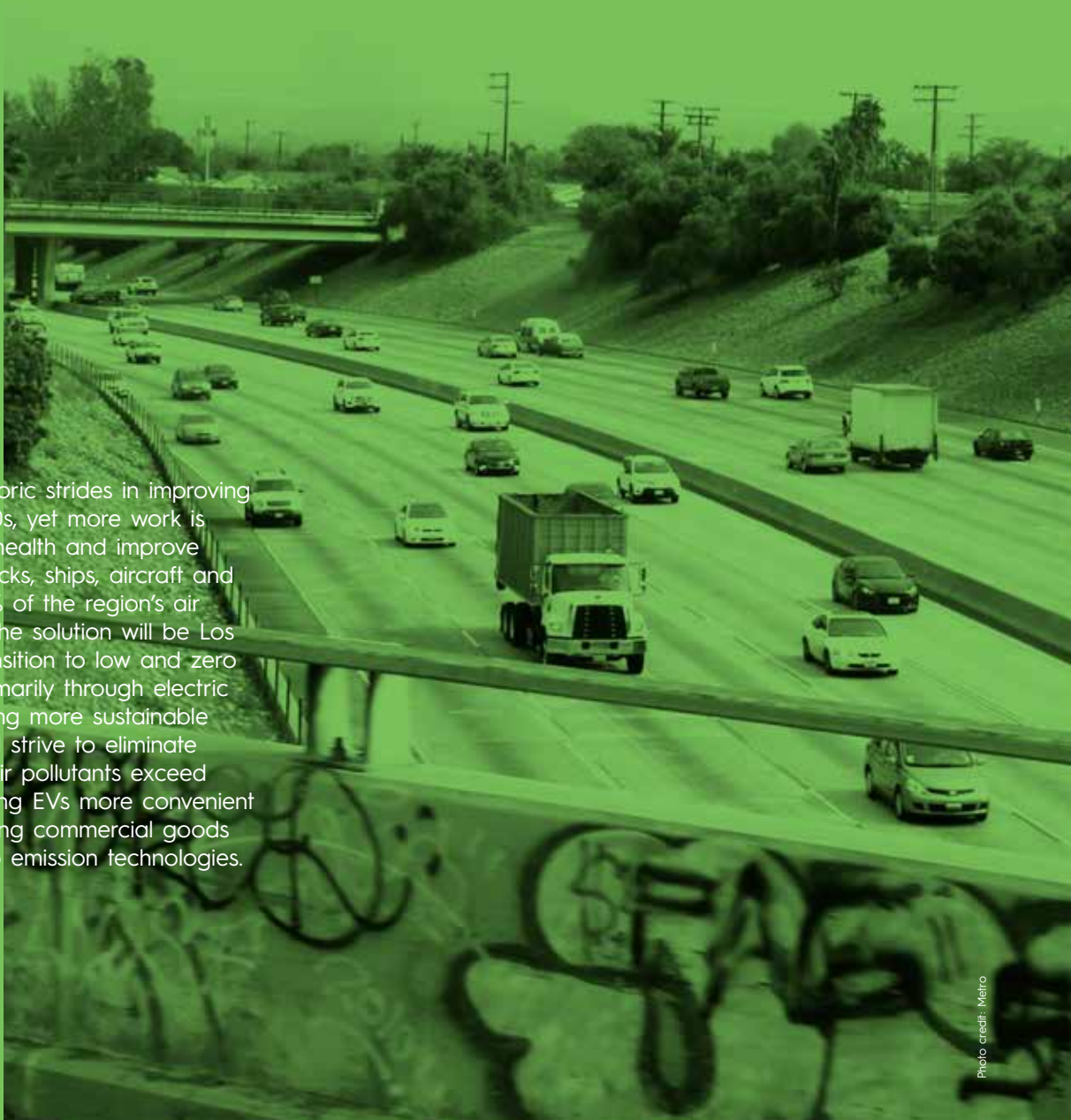


Photo credit: Metro



We all have healthy air to breathe.

## Progress on Selected pLAn Outcomes

2017

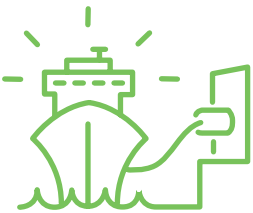


Install more than 1,000 publicly available EV charging stations

Goal surpassed with 1,024 publicly available.

(Source: Los Angeles Department of Water and Power, April 2016)

2017



Alternative power is available to 70% of ships

Now available to 52% of ships.

(Source: Port of LA)

2017



Execute four zero-emissions goods movement pilots at Port of Los Angeles

Eleven test projects have been completed and four are ongoing.

(Source: Port of Los Angeles)

## In the Last Year

The South Coast Air Quality Management District reported that the amount of cancer-causing toxins in the Los Angeles basin air has fallen 65% since 2005.

The Aliso Canyon Storage Facility gas leak was the biggest environmental disaster since the Deepwater Horizon oil spill, emitting the most methane in US history and air pollutants such as mercaptan, affecting the health of thousands of residents.

The U.S. Environmental Protection Agency (EPA) strengthened the legal standards for ground-level ozone to 70 parts per billion (ppb) from 75 ppb to protect public health, requiring additional measures to reduce air pollution in L.A.





## Feature Story

# Electric Car sharing is Improving Air Quality and Access to Transit for L.A.'s Poorest Communities

The Sustainable City pLAn sets out the Mayor's ambitions for electric vehicles to reduce greenhouse gas emissions, improve air quality and increase access to mobility options, all underpinned by expanding economic opportunity and promoting social justice.

The Mayor's Sustainability Office secured a \$1.6m grant, leveraged by an estimated additional \$8m in City resources and private investment, to provide EV car-sharing services to low-income Angelenos.



State Senator Kevin de León, California Air Resources Board Chair Mary Nichols and L.A. Chief Sustainability Officer Matt Petersen announcing the launch of the new EV car sharing in disadvantaged neighborhoods program.

Photo credit: Sierra Club

In partnership with community activists and organizations, the City, and an existing car share operator (to be selected), will deploy a 100-vehicle pilot fleet to severely disadvantaged communities in Central LA (Downtown LA, Westlake and parts of Koreatown). At least 70 of these vehicles will be pure battery electric. To support these vehicles 110 Level 2 charging units will be installed at on-and-off street public parking locations.

The pilot will help avoid purchase of 1,000 private internal combustion engine vehicles, reducing an estimated 2,150 tons of CO<sup>2</sup> annually as well as air pollutant emissions.

**"Our EV car sharing pilot is a perfect example of how our state's Cap and Trade dollars should be put to work: providing transportation options for Angelenos in need, and helping us achieve our clean air goals outlined in my Sustainable City pLAn."**

Mayor Eric Garcetti

## Charging the Electric Revolution

**Installed 1,024 electric charging stations; over 300 on City property.**

1,024 publicly available EV charging stations are now installed in L.A., which includes 300 on City property and meets the 2017 goal early

(Source: L.A. Department of Water and Power)



## City Early Wins



Photo credit: Los Angeles Zoo

### City Rolled Out More EV Chargers

The City secured grants to install 42 EV charging stations in Civic Center facilities to support the roll-out of EVs into the municipal fleet. A Fast Charger was also installed at the Los Angeles Zoo as part of the West Coast Electric Highway along the adjacent Interstate 5 from the Canadian border to the Mexican border.



Photo credit: Port of Los Angeles

### Port Wins Grants to Help Trial Zero Emission Vehicles and Equipment

The Port of L.A. received \$14.5 million to trial zero emission technologies and \$25 million to trial 45 zero emission trucks.



Photo credit: Los Angeles World Airports

### LAX to Convert Much of Ground Equipment to Electrics

In April 2015, the Board of Airport Commissioners adopted the Ground Support Equipment (GSE) Emissions Reduction Policy aimed at reducing emissions from the nearly 2,700 pieces of equipment used to support aircraft operations, primarily, off-road equipment such as tractors, tugs, tows, catering trucks, belt loaders, and fuel trucks by 2021.





## Partner Early Wins



Photo credit: National Drive Electric Week: Los Angeles

### National Drive Electric Week

In September 2015 non-profit Adopt-A-Charger helped to organize a National Drive Electric Week event at Exposition Park where hundreds of people learned about the environmental, financial, and health benefits of electric vehicles.



Photo credit: EGP photo by Jacqueline García

### Promoting Incentives for Electric Vehicles to Transform Polluted Communities

Environment California Research and Policy Center collaborated with the office of Senate President pro Tempore Kevin De León on the Eastside Green Resource Fair, which provided residents in Boyle Heights, a low-income Latino community choked by freeways, with the opportunity to learn about the incentives available to reduce the purchase price of zero- or low-emission vehicles.



Photo credit: City of Portland

### West Coast Mayors Commit to Electric Vehicles RFI

Mayor Garcetti joined the mayors of Portland, Seattle, Eugene and San Francisco in December 2015 for the West Coast Mayors Summit, focused on homelessness and climate action. The mayors announced a new consortium between cities to leverage purchasing power for buying electric vehicles where requests for information to manufacturers can benefit the consortium instead of just one city at a time.



# Environmental Justice



Underserved, low-income individuals and communities often bear the burden of environmental pollution, health impacts and economic health challenges, and therefore need and deserve specific improvements and investments. All Angelenos have the right to health and opportunity in our city. Improving air quality and neighborhood conditions helps ensure that no Angeleno becomes or remains marginalized. The pLAn also addresses food deserts and takes steps to deliver benefits from the green economy to all Angelenos.

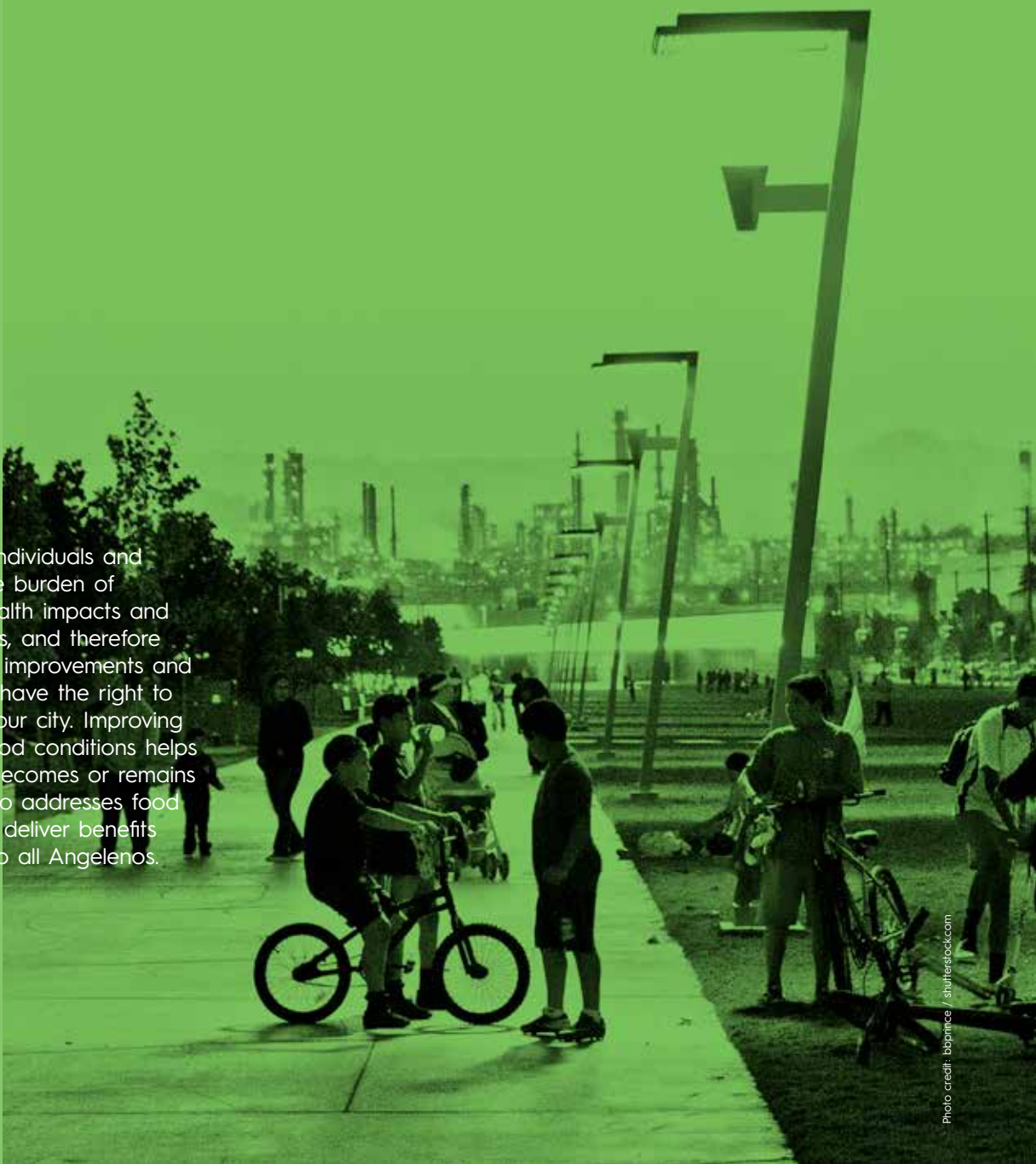


Photo credit: b3pmce / shutterstock.com



## Vision

We ensure that the benefits of the pLAn extend to all Angelenos.

### Progress on Selected pLAn Outcomes

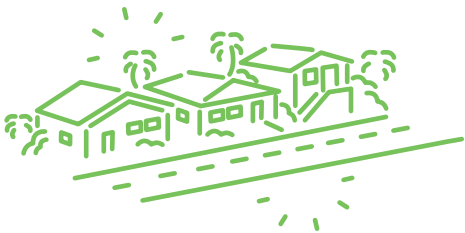
2017



**Require all city farmers markets to accept EBT**

The Farmers Markets for All Campaign launched and City Council moved to require all city farmers markets to accept EBT.

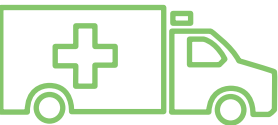
2017



**Implement Clean Up Green Up program**

In April 2016, City Council approved the Clean Up Green Up ordinance, which the Mayor signed on April 22, 2016.

2025



**Reduce the number of census tracts in the 10% of CalEnviroScreen by 25%**

Over \$35 million in cap and trade funds secured for projects in neighborhoods in the top 10% of CalEnviro Screen.

### In the Last Year

In October 2015, Assembly Bill 1288 (Atkins) added two representatives to the California Air Resources Board to work directly with low-income communities and communities of color overburdened by pollution.

In October 2015, Assembly Bill 693 (Eggman) created the nation's largest program aimed at increasing solar access to low-income communities.

In February 2016, Governor Brown proposed \$176.6 million dollars for expedited testing and cleanup of lead contamination in communities around the former Exide plant in Vernon which includes Boyle Heights.





Feature Story

# Ensuring All Low-Income Angelenos Have Access to Fresh Food by 2035

Low-income communities often do not have fair access to fresh food, but with the help of community-based organizations, local governmental agencies, and small businesses a number of different projects and policies were developed to move towards a sustainable and equitable food system.

This year the Los Angeles Food Policy Council (LAFPC) played a key role in coordinating market managers, city staff, USDA, County Department of Public Health and other key stakeholders to kick-off the Farmers Markets for All Campaign and ensure that all farmers markets in the City of Los Angeles accept and promote CalFresh benefits under California’s Electronic Benefit Transfer program. The Farmers Markets for All Working Group sponsored and introduced legislation to make this a reality.

LAFPC also committed to the goal of creating more healthy neighborhoods for all Angelenos and will help expand the Good Food Purchasing Policy to 3-5 major institutions in Los Angeles so that more Angelenos have access to nutritious food that is grown locally and in a sustainable, fair and humane manner. LAFPC also committed to support the goal of ensuring all low-income Angelenos live within ½ mile of fresh food and will train 60 neighborhood markets a year in business and leadership development skills that promote the sale of healthy foods.

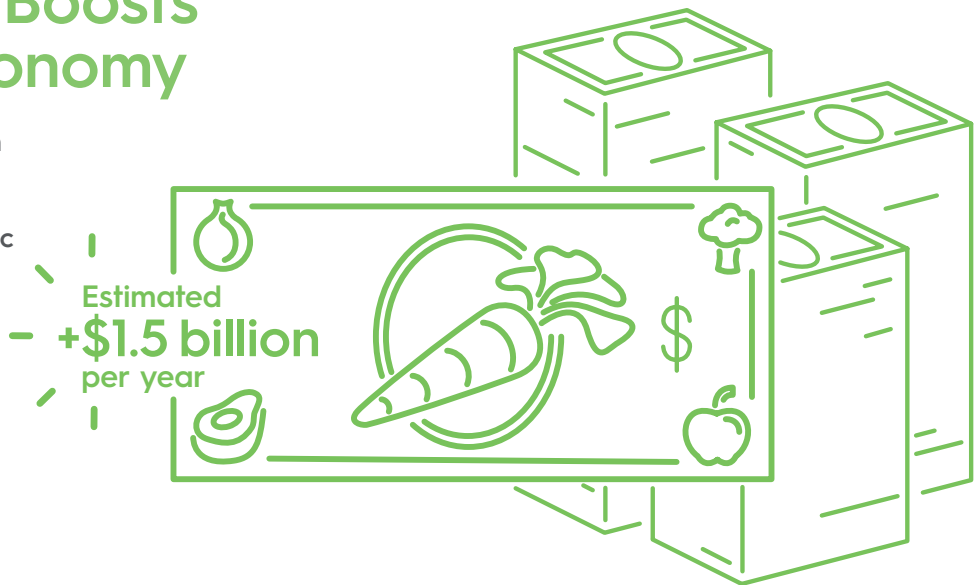
**“Thanks to Mayor Garcetti’s Sustainable City pLAn, we are moving toward universal CalFresh access (formerly known as “food stamps”) at EVERY Farmer’s Market in L.A. so that everyone can enjoy the bounty of locally-grown fare.”**  
**Clare Fox**  
Executive Director,  
LA Food Policy Council



Photo credit: Leadership for Urban Renewal Network

## Food Equity Boosts the Food Economy

Full Participation in CalFresh benefits program would generate an estimated \$1.5 billion in additional economic activity per year in L.A. County



City Early Wins

## L.A. Public Library Joining the Healthy Food Movement



Photo credit: John Muir Library Branch

This summer, the library secured two certified Master Gardeners to create a sustainable community garden at the John Muir Branch for the benefit of the local south L.A. neighborhood. The library invited the community to celebrate the dedication of the garden with a public groundbreaking on October 31, 2015. In addition to the urban garden, the Master Gardeners are working with librarians to create programs about gardening and healthy eating.

## Expanding the City’s Good Food Purchasing Policy



Photo credit: Leadership for Urban Renewal Network

In October 2015, Councilmember Paul Koretz (CD5) and Councilmember Jose Huizar (CD14) instructed Los Angeles World Airports, Department of Water and Power and the Port of L.A. to comply with the City’s Good Food Purchasing Policy. This food procurement policy requires a portion of city food purchases to meet standards for environmental sustainability, local economies, animal welfare and nutrition.

## Funding the Healthy Market Neighborhood Program



Photo credit: Los Angeles Food Policy Council

The L.A. Food Policy Council received \$250,000 from the Community Development Block Grant to expand their Healthy Neighborhood Market Network program that helps small businesses sell healthy food in underserved communities.





## Partner Early Wins



Photo credit: With Love Market & Café

### New South L.A. Market Offers Healthy Food and More

In March 2016, With Love Market and Café opened its doors in South LA. It is a social enterprise focused on community investment through quality food access, job opportunities, and social services such as cooking classes, internships, exercise clubs and more. Through partnership with many local non-profits, churches, governmental agencies and schools, With Love can offer all of these social services at no cost to the local community, providing a match between the resources of these groups and the community's need.



Photo credit: Leadership for Urban Renewal Network

### Creating the COMPRA Foods Cooperative

L.A. Food Policy Council and Leadership for Urban Renewal Network (LURN) partnered to create a purchasing cooperative that acts as an alternative food distribution system for small grocers and convenience stores in neighborhoods like South Los Angeles, Boyle Heights and neighborhoods within the Los Angeles Promise Zone such as Pico Union and Westlake-MacArthur Park. With support from the Mayor's Office and the city's federally designated Promise Zone, LURN successfully applied for \$300,000 over three years from the United States Department of Agriculture for the COMPRA Foods project.



Photo credit: Liberty Hill Foundation

### Clean Up Green Up Becomes Law

In April 2016, the Clean Up Green Up (CUGU) Coalition celebrated City Council and Mayoral approval of the CUGU policy. It establishes three "Green Zones" in Boyle Heights, Pacoima/Sun Valley and Wilmington focused on pollution prevention, pollution reduction and economic revitalization – all in neighborhoods that experience disproportionate environmental and health impacts from industrial and transportation activities.





# Urban Ecosystem

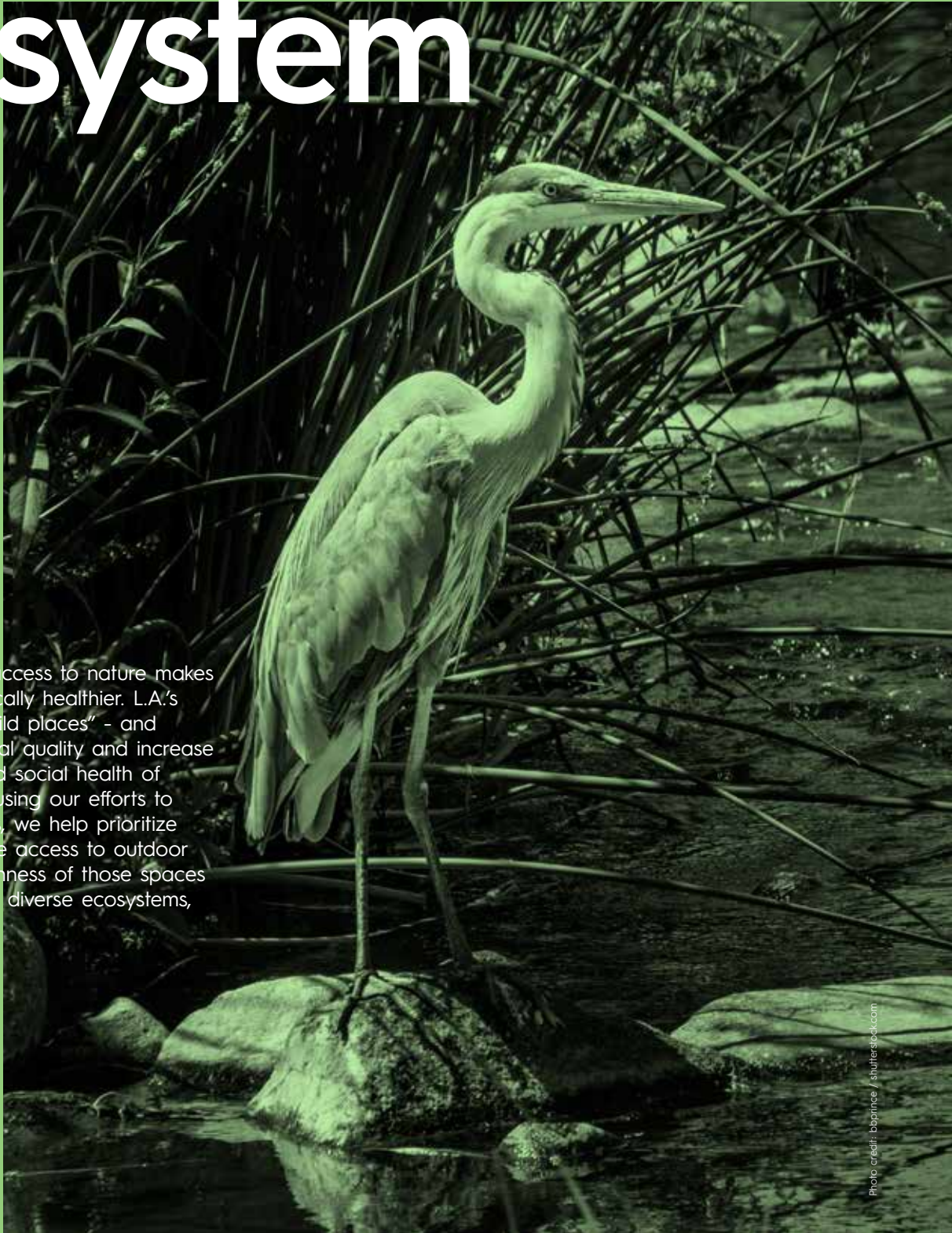


Photo credit: bopinnce / shutterstock.com



Research has shown that access to nature makes people mentally and physically healthier. L.A.’s natural lands – our own “wild places” – and parks improve environmental quality and increase the economic, physical, and social health of the city’s communities. Focusing our efforts to revitalize urban ecosystems, we help prioritize the City’s efforts to increase access to outdoor space and develop the richness of those spaces in terms of quality services, diverse ecosystems, and urban agriculture.



We all have access to parks and open space including a revitalized L.A. River watershed.

## Progress on Selected pLAn Outcomes

2017



Create 5 additional miles of L.A. River public access

1.5 miles of new access completed or in construction.  
(Source: L.A. RiverWorks, Mayor’s Office)

2017



Initiate tree registry to document L.A.’s urban forest

Piloting computer vision technology to create a street tree inventory.  
(Source: L.A. Mayor’s Office)

2017



Pass legislation encouraging urban agriculture in open space

Ordinance allowing urban agriculture in parkways and establishing the Urban Agriculture Incentive Zone passed this year.  
(Source: L.A. Mayor’s Office)

## In the Last Year

President Obama has protected more acres of public lands and water than any Administration in American history. In February 2016, he announced three new national monuments to protect critical California desert habitat totaling 1.6 million acres.

Urban beekeeping was banned within Los Angeles city limits in 1879, and it remained that way until the laws were changed this past October. Most crops grown for their fruits, nuts, seeds, fiber, and hay require pollination by insects. It has often been said that bees are responsible for one out of every three bites of food we eat.

Recent studies have found that urban dwellers who strolled for as little as 20 minutes through an urban park or natural area reported significantly more stress relief than those who strolled in a city center.





Feature Story

# Los Angeles Invests in L.A. River Greenway

Mayor Eric Garcetti and County Supervisor Sheila Kuehl announced a joint investment of \$6 million in the Los Angeles River Valley Greenway to design bike and walking paths in 12 miles of gaps in the San Fernando Valley. Once completed, the greenway will make it possible for Angelenos to walk and bike from Canoga Park to Elysian Valley. The City's \$3 million contribution comes from funds dedicated to open space preservation and park facilities, provided by four Los Angeles City Councilmembers who represent the Valley: Councilmembers Paul Krekorian, Bob Blumenfield, David Ryu, and Nury Martinez.

The announcement coincided with National Park Service and City of Los Angeles certification of the Juan Bautista de Anza National Historic Trail along the river and the local launch of President Obama's "Every Kid in a Park" initiative. As part of that program, hundreds of local 4th-graders were sworn in as Junior Rangers and earned a free annual pass for all national parks and federal lands. The National Park Service marks its Centennial anniversary in 2016.



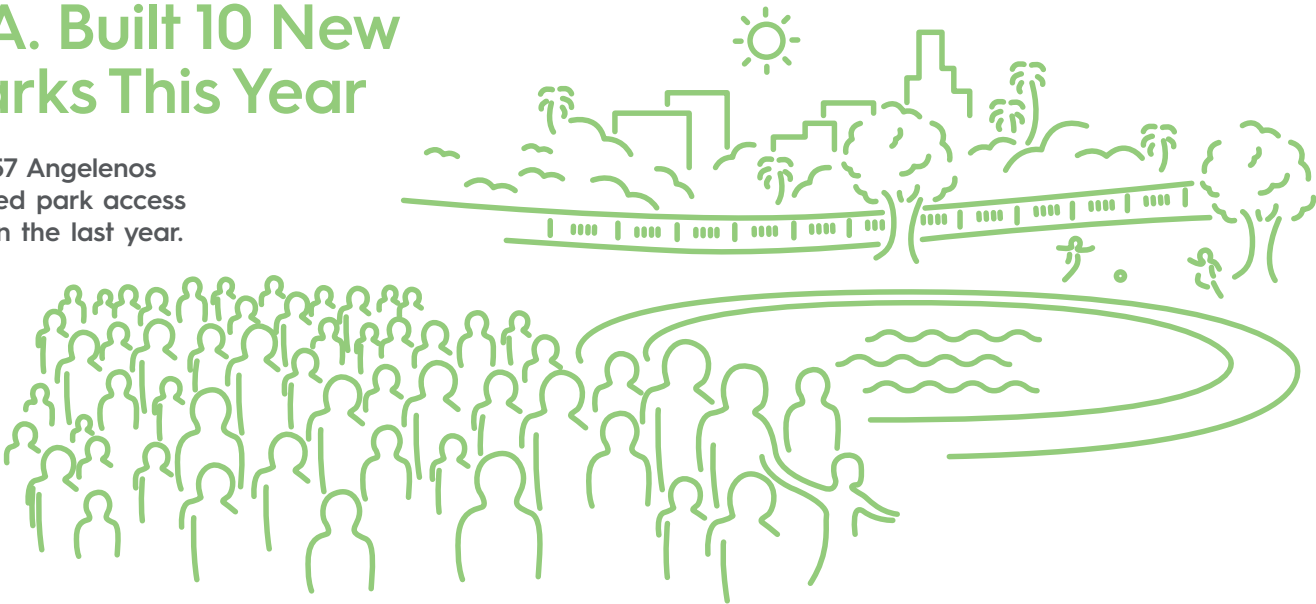
Photo credit: L.A. RiverWorks, Mayor's Office



Photo credit: L.A. RiverWorks, Mayor's Office

# L.A. Built 10 New Parks This Year

25,457 Angelenos gained park access within the last year.



City Early Wins

# New Parks for L.A.

In 2015, L.A.'s Department of Recreation and Parks (RAP) made progress towards pLAn goals by opening 10 new parks citywide, with park partners, which serve a total of 25,457 new residents within ½ mile distance. Given the lack of available land for acquisition, especially in some of the densest neighborhoods in the City, RAP has also identified various school sites which will be assessed for potential joint use partnerships between LAUSD, RAP and non-profit partners in the coming year.



Photo credit: Department of Recreation and Parks

# State of the Street Trees

The Bureau of Street Services published its first ever State of the Street Trees Report in early 2016, analyzing the approximately 700,000 street trees in the City's public right-of-way. The Report uses performance metrics to evaluate the current condition of the City's street trees and provides key recommendations that include rebuilding the City's Urban Forestry Division and conducting a street tree inventory in order to more adequately assess and manage street tree health.



Photo credit: Bureau of Street Services

# Increasing L.A.'s Biodiversity with Native Plants

The Los Angeles Recreation and Parks Department, the Nature Conservancy, the LA Parks Foundation and Grown in LA are initiating a native plant propagation project at the Griffith Park Urban Environmental Center. This will contribute to a vision of creating a viable source of locally-collected and locally-grown native plants for restoration projects and water-wise initiatives by converting underutilized sites in the Los Angeles Area into a series of native plant nurseries.



Photo credit: L.A. Department of Water and Power







## Partner Early Wins



Photo credit: Daniel Lee Postaer

### Re-tooling the Los Angeles River

River LA (formally LA River Revitalization Corporation) commissioned acclaimed Los Angeles-based architect Frank Gehry and his team to conduct an independent, data-driven study of the water and other uses within all 51-miles of the L.A. River and to create a digital toolkit to make this information accessible and useful to policymakers and the public.



Photo credit: People for Parks

### People for Parks

People for Parks is unlocking six Community School Parks in dense regions of Los Angeles, including Pico Union, Koreatown, and South L.A. this year. Opening these parks means 25,000 to 30,000 more Angelenos will have walkable access to a safe park 1/4 mile or less from their home.



Photo credit: El Pueblo de Los Angeles

### New El Pueblo Parks Center

A new Urban Outreach and Education office located in the historic Quon building at El Pueblo is a partnership between the National Park Service, California State Parks, the City of Los Angeles, the US Forest Service and the Western National Parks Association. The outreach office serves as an introduction for local urban residents to nearby public lands such as the LA River and the Santa Monica Mountains, and will open in late summer.



Photo credit: Los Angeles Recreation and Parks Department



# Livable Neighborhoods



Neighborhoods are more than simply places where people reside. Neighborhoods are a great source of pride and self-identification. The pLAN and its strategic initiatives help create the conditions for neighborhoods to thrive, such as building great streets that serve as local destinations, providing safe transit, access to services, and creating opportunities for engagement and formation of strong community bonds.



We all live in safe, vibrant, well-connected and healthy neighborhoods.

## Progress on Selected pLAN Outcomes

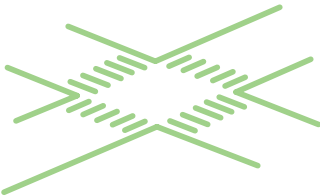
2017



Implement improvements on 15 commercial corridors/ Great Streets

In 2015, Challenge grants were awarded to implement and improve safety and livability to 8 Great Streets to test successful elements to implement and improve safety.

2025



Implement Vision Zero policy to reduce traffic fatalities

Identified \$1 million in funding to upgrade 195 intersections to yellow continental crosswalks around top 50 priority schools.

2025



Implement Vision Zero policy to reduce traffic fatalities

Executive Directive No. 10 Vision Zero and its open data portal were launched in 2015.

## In the Last Year

Assembly Bill 8 passed and will create a “yellow alert” system that broadcasts information about hit-and-run crashes to help apprehend hit-and-run perpetrators.

In February 2016, the City Council and Mayor adopted a pilot “Slow Zones” program, focused initially at 11 schools. At these qualifying locations, speed limits are reduced to 15 miles per hour to ensure safe travel to and from school.

In March 2016, the Mayor’s Office, LADOT, and City Council worked together to include the Vision Zero High Injury Network as part of the city’s sidewalk implementation strategy to prioritize communities with the most dangerous streets.





## Feature Story

# Great Streets Initiative in Action on Reseda Blvd

In October 2013, Mayor Garcetti launched the Great Streets Initiative to make L.A.'s streets the centerpieces of our communities and public life. Through a partnership with Councilmember Mitchell Englander and the residents of Northridge, this vision came to life on Reseda Boulevard in 2015.

The project has two main components: first, a new street design that increases safety for all people traveling on Reseda, including Los Angeles' first protected bike lane; and second, a sidewalk transformation that includes painted sidewalks and awnings, and new street furniture, creating a mid-century modern style living room on the street.



Photo credit: LADOT

Now Northridge residents can enjoy a vibrant, walkable main street, thanks to collaboration by City agencies, including the Mayor's Office, Council District 12, LADOT, Bureau of Street Services, along with community partners Northridge Sparkle and non-profit design firm LA-Más. In total, the City of Los Angeles invested approximately \$1 million into Reseda Boulevard in 2015. The excitement along the Reseda Great Street continues to build through the [Re]visit [Re]seda program that brings art and cultural events to activate this re-imagined public space.

"Our streets are our largest public asset, forming and reflecting the character of our neighborhoods, our people, and our city, by reimagining our streetscape, we can create transformative gathering places for Angelenos to come together, whether they travel by foot, transit, bike, or car."

Mayor Eric Garcetti

## Great Investments in Great Streets

The Great Streets Team raised \$23 million in external funds and \$95,000 in community-led crowd sourced fundraising to transform L.A.'s Great Streets.



## City Early Wins



Photo credit: Go Human

# Empowering Communities to Envision L.A.'s Great Streets

To empower Great Streets communities to create their own vision, the Great Streets Initiative invited stakeholders and organizations to apply for up to \$20,000 in City funds to reimagine their streets as a public space. The City awarded funding to 8 projects -- representing 30 community organizations across the city -- that will temporarily transform streets into safe and vibrant places to gather, shop and experience neighborhood culture.



Photo credit: L.A. Mayor's Office

## Using Data and Smart Design for Vision Zero

In August 2015, Mayor Garcetti launched Vision Zero, a road safety policy that promotes smart behaviors and roadway design to prevent collisions from resulting in severe injury or death. By August 2016, a refined list of prioritized locations will be developed into a Vision Zero Action Plan to inform proactive approaches to reducing deaths and serious injuries. This action plan will include multi-faceted strategies that will be implemented at these locations, including: engineering and planning, enforcement, education, evaluation and monitoring, and partnerships with government agencies and the people of Los Angeles.



Photo credit: LADOT

# Increasing the Safety of Pedestrians in Hollywood

LADOT installed the largest pedestrian scramble in the city at Hollywood and Highland, the intersection with the second-highest number of pedestrian crashes in the city. The project incorporated advanced traffic signal operation along the corridor to mitigate queuing and reduce wait times for all users.





## Partner Early Wins



Photo credit: People for Parks

### Connecting Young Angelenos to Public Parks

This year, People for Parks quadrupled the number of Community School Parks - from 2 to 8. Walkable access to Community School Parks in under-resourced areas can reduce vandalism, increase students' physical fitness and increase inter-generational cohesiveness.



Photo credit: CicLAvia

### CicLAvia Expands its Routes

In the past year, CicLAvia expanded its routes to create vibrant public spaces, active transportation and good health through car-free streets. From April 2015 to April 2016, CicLAvia closed the streets to cars in South L.A., the San Fernando Valley, Culver City and Pasadena. CicLAvia improves air quality by reducing ultrafine particles in the air by over 20 percent. Approximately 225,000 people participated in CicLAvia last year.



Photo credit: St. Barnabas Senior Services

### Serving Good, Healthy Food to Seniors

The Department of Aging (DOA) partnered with social enterprise non-profit L.A. Kitchen for meals to seniors in Echo Park and Northeast L.A. L.A. Kitchen trains men and women transitioning from incarceration, homelessness or the foster care system in culinary arts, using cosmetically imperfect produce to create nutritious meals for seniors. The new partnership is one way the department is taking steps on the City's Good Food Purchasing Policy, which directs city food purchases to be local, sustainable, fair, humane and nutritious. L.A. Kitchen will now be serving 600 meals a day through DOA senior citizen centers.

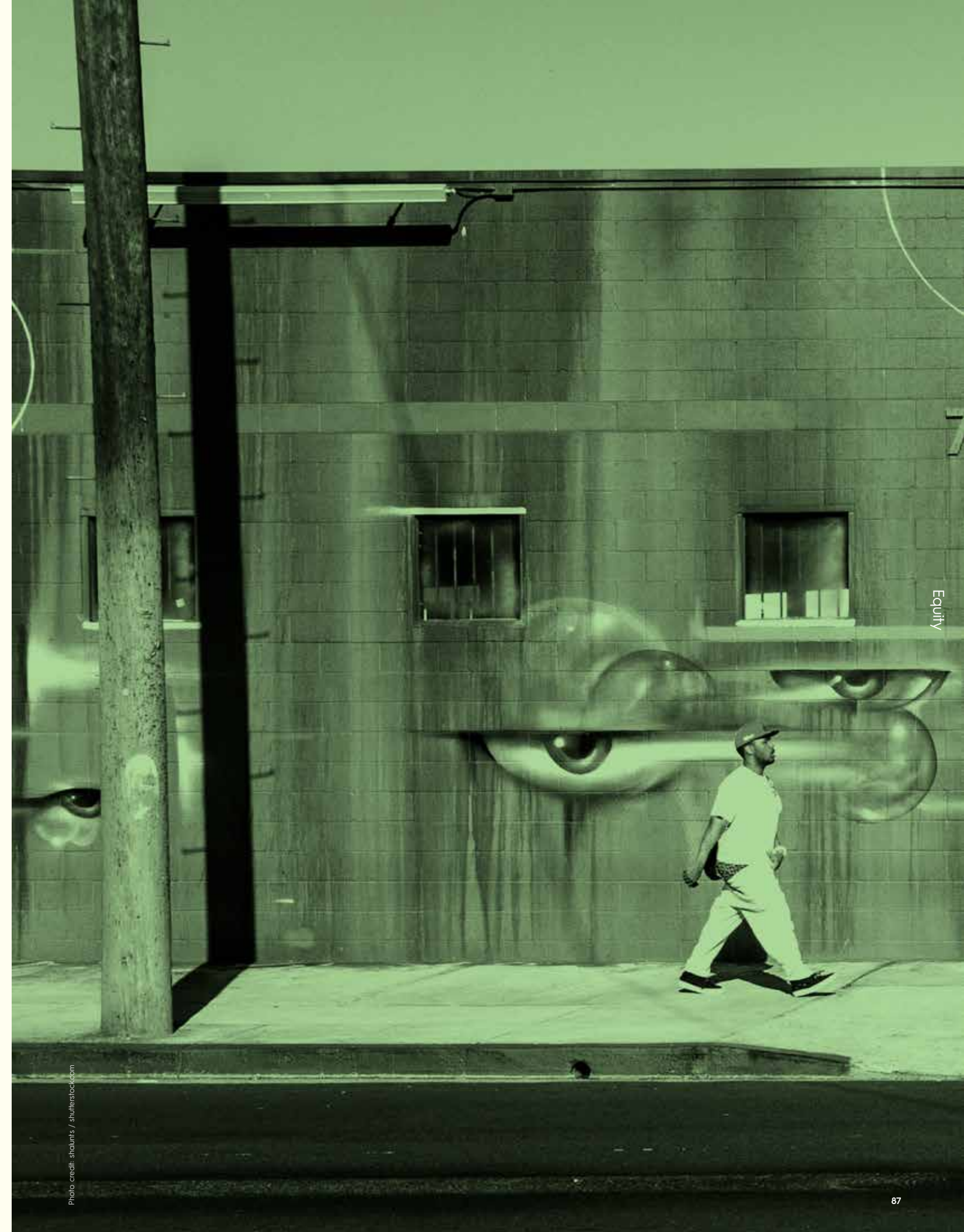


Photo credit: shatun / shutterstock.com



# Lead by Example



The City of Los Angeles has long been a leader on environmental, economic, and social equity issues. When the City leads by example on sustainability performance, it inspires both Angelenos and the nation to take action. Opportunities for City leadership include increasing resource efficiency, achieving a high STAR rating (i.e., a community sustainability rating system), and influencing other cities in the region to act on sustainability and climate change.

Lead by Example



We have a municipal government that leads by example throughout every department in the City of Los Angeles.

## Progress on Selected pLAn Outcomes

2017

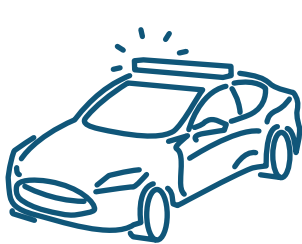


City departments have reduced water consumption by 36% across facilities.\*

\*This does not include proprietary departments or Recreation and Parks.

(Source: L.A. Department of Water and Power)

2017



Ensure that 50% of the City's light-duty vehicle purchases are zero emission

The City has purchased or procured 275 sedans in 2015-16, of which 160 are pure battery electric vehicles, 58% of all new fleet sedans

(Source: L.A. Mayor's Office)

2017



Be a Top 10 city as rated by the ACEEE City Scorecard

From 2013 to 2015 Los Angeles was the most improved city, moving from number 28 to number 12 on the ACEEE list out of 51 cities.

(Source: American Council for an Energy-Efficient Economy)

## In the Last Year

Since Los Angeles announced its commitment to having the largest city fleet of pure battery electric vehicles in September, 2015, New York and Seattle have both released EV purchasing plans as well.

Through March of this year the Bureau of Street lighting has retrofitted over 165,000 street lights with LED fixtures, representing annual savings of 100 gigawatt hours and a GHG emissions equivalent of nearly 60,000 metric tons.

Following the City's lead, Los Angeles County voted in March to create a Chief Sustainability Officer in their CEO's office. The new CSO will coordinate with 37 County department heads and the existing Sustainability Council.





## Feature Story

# LAPD Goes Electric

After Mayor Garcetti committed to having the largest City Owned EV fleet in a September press conference with Police Chief Beck and Fire Chief Terrazas, the City Council approved the procurement of 100 electric vehicles in December for the Los Angeles Police Department (LAPD). The LAPD has an overall plan of deploying 500 electric vehicles into their motor pool over the next five years. To ensure this first deployment of vehicles are always available, the LAPD is installing 100 charging stations at their main downtown parking lot and police stations across the City.

The LAPD EV program was accomplished through innovative funding techniques that allowed for the lease of the vehicles while repurposing the bond money that would have been used to purchase vehicles on new charging infrastructure. LAPD is also talking with vehicle manufacturers about creating an electric vehicle designed to meet their pursuit needs. Such a vehicle will enable the wider use of electric vehicles in the LAPD fleet and will help other cities meet their own emission targets.

“Today, we take another step toward becoming the most sustainable city in America. This year, Los Angeles will become home to the largest city-owned fleet of pure battery electric vehicles anywhere in the country, and we will save taxpayer dollars along the way.”

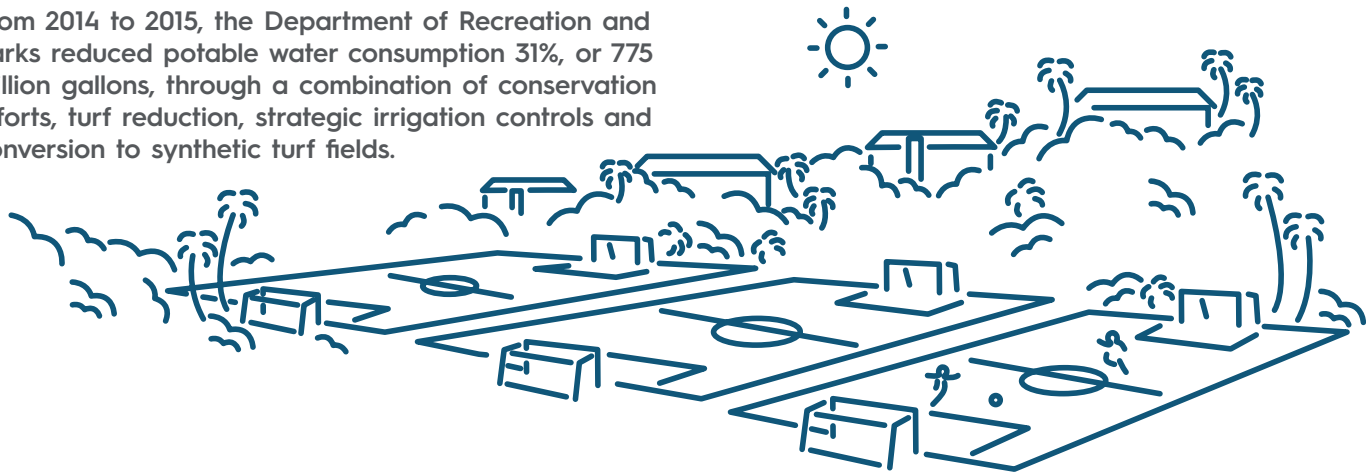
Mayor Eric Garcetti



Photo credit: L.A. Mayor's Office

# 775 Million Gallons of Water Saved

From 2014 to 2015, the Department of Recreation and Parks reduced potable water consumption 31%, or 775 million gallons, through a combination of conservation efforts, turf reduction, strategic irrigation controls and conversion to synthetic turf fields.



## City Early Wins

# Intelligent Street Sweeping



Photo credit: General Services Department

The General Services Department, on behalf of the Bureau of Street Services is installing GPS telematics in 100 street sweepers in order to increase efficiency and decrease VMTs and emissions. This program will have numerous co-benefits, including measuring and tracking water use and improved employee safety and accountability.

# Brown Lawns are Beautiful

To help with the drought, the LAFD and LAPD turned off irrigation to their lawns. This proactive step is saving water at over 130 facilities, while overall water reduction efforts by the departments have saved over 35 million gallons of water.



Photo credit: LA Mayor's Office

# The Most Sustainable Zoo

The Zoo parking lot was repaved last year with strategically located sections of permeable asphalt to capture and filter storm water before it hits the L.A. River. The medians were also landscaped with drought tolerant plants and bioswales that are irrigated with recycled water and storm water.



Photo credit: L.A. Zoo





## City Early Wins

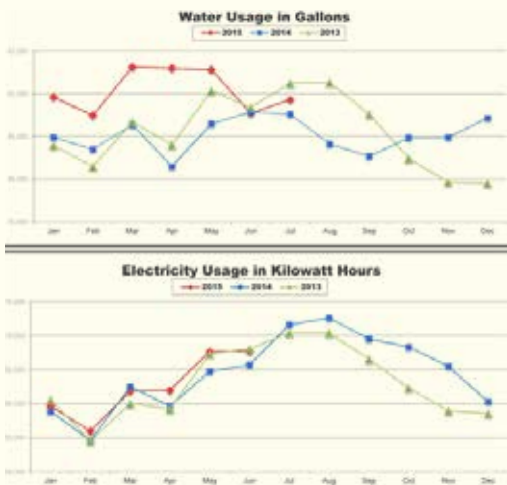


Image credit: LADWP

## Energy and Water Metrics at the LAPD

The Los Angeles Police Department is in the final phase of implementing water and energy monitoring into their COMPSTAT process. Introducing these metrics into their monthly reporting system will allow the LAPD to take a hands on approach with the difficult to control behavioral side of resource reduction.



Photo credit: L.A. Mayor's Office

## Rec & Parks Pilots Smart Meters

The Department of Recreation and Parks and DWP jointly launched a smart water meter pilot program at 28 parks. These smart meters allow Rec and Parks to have nearly live usage information and will help with leak detection and overall conservation efforts.



Photo credit: Los Angeles Department of Water and Power

## LADWP Goes Gold

To mark the 50th anniversary of LADWP's headquarters, the John Ferraro Building, the department went through an extensive data collection and retrofit process to achieve LEED Gold certification. The JFB is the first building in the L.A. region with a LEED Dynamic Plaque.



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# Acknowledgements

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## Core Team

### Mayor’s Sustainability Team

Matt Petersen / Lauren Faber / Susana Reyes / Jeanalee Obergfell / Liz Crosson / Hilary Firestone / Michael Samulon / Elliot Treharne

### TBWA\CHIAT\DAY design team

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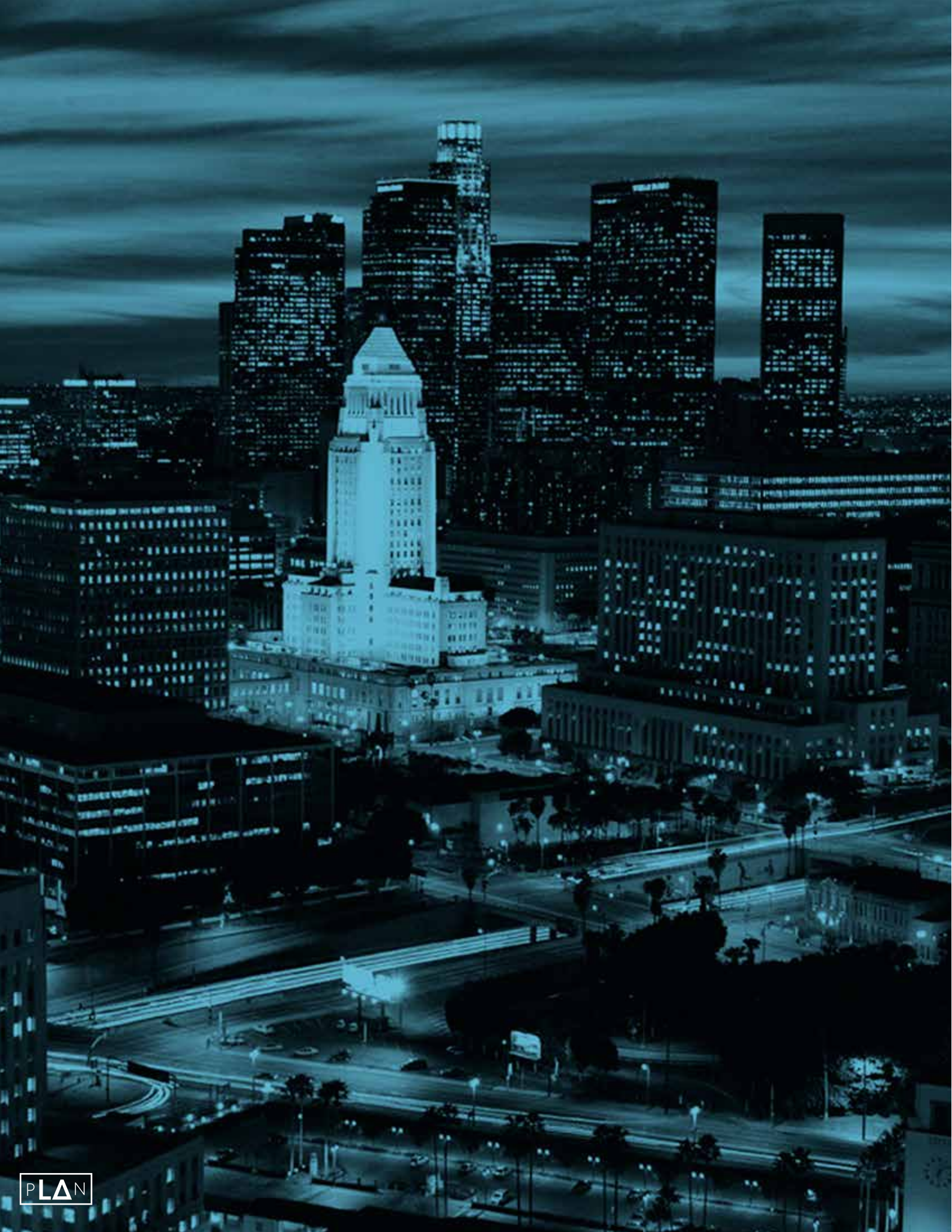
## City Family

Matt Szabo / Mayor’s Office of Budget & Innovation / Nat Gale / Marcel Porras / Dan Rodman / Doug Walters / Alex Helou / Lilly O’Brien / Carter Rubin / Ashley Atkinson / Ben Winter / Seleta Reynolds / Naomi Seligman / Paul Kadzielski / Carl Marziali / Edgar Garcia / Matthew Rudnick / Ted Bardacke / Greg Good / Marissa Aho / Saira Gandhi / Jennifer Pope / Emmett McOsker / Ryan Carpio / Sabrina Bornstein / Miguel Sangalang / Colin Sweeney / Gerald St. Onge / Richard Malvino / Ron Gallegos

## Community Stakeholders

Heal the Bay / The River Project / TreePeople / Omelet / Mayor’s Fund of Los Angeles / CRAFTED at the Port of L.A. / REPOWER LA / UCLA / Pick My Solar / Los Angeles Waterkeeper / USGBC / Building Owners and Managers Association of Greater LA / SEIU / USWW / Kilroy Realty Corporation / Climate Resolve / Enterprise Community Partners / Habitat for Humanity of Greater Los Angeles / Los Angeles County Metropolitan Transportation Authority (Metro) / Los Angeles Cleantech Incubator / San Pedro Brewery / LA Kitchen / IBEW 11 / Grid Alternatives / Trust for Public Land / Adopt-a-Charger / Environment California / Research and Policy Center / LA Food Policy Council / Leadership for Urban Renewal Network (LURN) / With Love Market / Clean Up Green Up Coalition / American Lung Association / Liberty Hill Foundation / Communities for a Better Environment / Pacoima Beautiful / Union de Vecinos / Coalition for a Safe Environment / The Nature Conservancy / LA Parks Foundation / El Pueblo / River LA (formerly LA River Revitalization Corporation) / The Sierra Club / Los Angeles Alliance for a New Economy / People for Parks / National Parks Service / U.S. Forest Service / City Plants/ Western National Parks Association / U.S. Department of Energy/ NRDC/ Global Green / Homeboy Industries / Environment Now









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