

# PLAN

TRANSFORMING LOS ANGELES

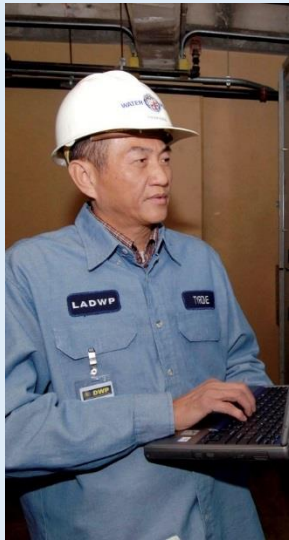
ENVIRONMENT | ECONOMY | EQUITY



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Garcetti  
#Iamayor











## WHAT IS THE PLAN?



A roadmap for a Los Angeles that is environmentally healthy, economically prosperous, and equitable in opportunity



An action plan that sets short-term and long-term sustainability goals, strategies, and initiatives for the City





## THE PLAN PROVIDES:

- VISION FOR LA'S FUTURE
- SHORT-TERM RESULTS TOWARD LONG-TERM OUTCOMES
- FRAMEWORK TO BUILD OUT POLICIES
- PLATFORM FOR COLLABORATION
- SET OF TOOLS TO HELP MANAGE LA
- PERFORMANCE TRACKING
- PATHWAY FOR ENGAGING OUR RESIDENTS





## HOW WILL THE PLAN BE USED

### BY THE MAYOR?

- GENERAL MANAGER REVIEWS
- CHIEF SUSTAINABILITY OFFICERS IN KEY DEPTS
- REGULAR WRITTEN REPORTS TO THE MAYOR
- BUDGET PRIORITY SETTING
- METRICS AND OPEN DATA
- ANNUAL REPORT

# ENVIRONMENT

Climate, Resources, Environmental Health



Local Water



Local Solar



Energy-Efficient Buildings



Carbon & Climate Leadership



Waste & Landfills

# ECONOMY

Housing, Mobility, Resilience



Housing & Development



Mobility & Transit



Prosperity & Green Jobs



Preparedness & Resiliency

# EQUITY

Access, Public Health, Connectivity



Air Quality



Environmental Justice



Urban Ecosystem



Livable Neighborhoods



Lead By Example

# PLAN FRAMEWORK



## VISION

What LA will be  
in 20 years



## OUTCOMES

Measurable goals  
toward  
2017, 2025, 2035



## STRATEGIES

Groups of initiatives  
driving toward  
outcomes



## INITIATIVES

Specific, actionable  
initiatives and tools



**ENVIRONMENT**



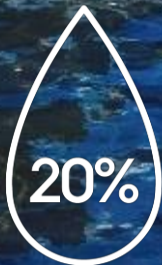
## LOCAL WATER

### VISION

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

2017

WATER USE



2025



50%

REDUCE IMPORTS

2035

SOURCE LOCALLY

50%



### EXAMPLE STRATEGIES

Reduce per capita potable water use and increase recycled water

Increase storm water capture and protect marine life

### EXAMPLE INITIATIVES

Clean San Fernando Groundwater Basin

Expand scope and financing of DWP's turf replacement program

Expand number of green infrastructure sites and green streets (e.g. bioswales, permeable pavement)





## LOCAL SOLAR

### VISION

We increased LA's clean and resilient energy supplies by capturing the energy from our abundant sunshine

2017

CONVENTION  
CENTER



2025

STORAGE

1,654-1750  
MW



2035

1,500-1,800  
MW

SOLAR



### EXAMPLE STRATEGIES

Accelerate permitting and adoption of rooftop PV

Develop grid-tied backup solar and modernize Los Angeles' energy grid

Enhance energy storage

### EXAMPLE INITIATIVES

Integrate Department of Building and Safety and Department of Water and Power solar inspection procedures

Pilot technology for dispatchable and customer-side storage

Install solar on LA Convention Center roof





# ENERGY-EFFICIENT BUILDINGS

## VISION

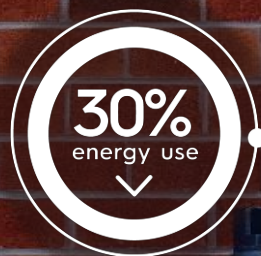
We save money and energy by increasing the efficiency of our buildings

2017

60  
million  
square feet



2035



## EXAMPLE STRATEGIES

Measure, track, and make available building energy data

Advance energy efficiency and green-building programs

Prepare for energy code upgrades

## EXAMPLE INITIATIVES

Create benchmarking policy to monitor and disclose energy building use

Pilot Net-Zero Energy municipal buildings (new or retrofit)

Expand LA Better Buildings Challenge to new sectors



## CARBON & CLIMATE

### VISION

As a productive leader on climate issues, we strengthen LA's economy by dramatically reducing GHG emissions and rallying other cities to follow our lead

2025



2025



GHG EFFICIENCY

2035

EMISSIONS



60%

### EXAMPLE STRATEGIES

Measure and prepare for citywide climate action

De-carbonize LA's electrical grid

Reduce individual and citywide energy consumption through education and retrofitting

### EXAMPLE INITIATIVES

Develop new technologies and a knowledge-base cluster in LA related to climate change mitigation and adaptation

Pursue a mix of renewable resources to meet RPS commitments

Retire coal power plants





# WASTE & LANDFILLS

## VISION

LA becomes the first big city in the US to achieve zero waste, and recycle and reuse most of its waste locally

2017

ORGANIC WASTE-  
COLLECTION



2025



LANDFILL DIVERSION

2035

LOCAL REUSE



## EXAMPLE STRATEGIES

Create additional landfill diversion infrastructure

Develop “cradle-to-cradle” economy in LA through Extended Producer Responsibility (EPR) and resource recovery

## EXAMPLE INITIATIVES

Create an anaerobic digester and/or food waste pre-processing facility to better manage organic waste

Increase construction and demolition waste recycling requirements beyond current 65%

Execute the SWIRP series of initiatives to develop blue, green, and black bin infrastructure



**ECONOMY**



# HOUSING & DEVELOPMENT

## VISION

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

2017



2025



2035



RENT BURDEN

## EXAMPLE STRATEGIES

Expand zoning capacity in key transit nodes and corridors

Preserve existing affordable housing

Streamline the building of TOD and affordable housing

## EXAMPLE INITIATIVES

Pilot new regulations governing second units and granny flats

Rebuild the Affordable Housing Trust Fund with a combination of federal, state, and local sources

Implement Build LA and Parallel Design Permitting process



# MOBILITY & TRANSIT

## VISION

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

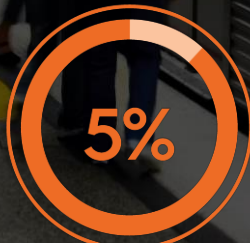
2017



BIKE SHARE



2025



VMT

2035

MODE SHARE



50%

## EXAMPLE STRATEGIES

Expand high-quality transit options around the city

Leverage zoning, planning and community vibrancy to move Angelenos closer to work and transit

## EXAMPLE INITIATIVES

Site and build multi modal Integrated Mobility Hubs with infrastructure for car share, shared rides, and bike share

Expand and upgrade Bus Rapid Transit (BRT) on Vermont Ave and other corridors





# GREEN JOBS

## VISION

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

2017



2025



2035



## EXAMPLE STRATEGIES

Expand deployment of clean technology

Use LA's environmental leadership to attract trade and conventions

Raise wages and improve business climate

## EXAMPLE INITIATIVES

Work with proprietary departments to develop, pilot, and prefer "Made in LA" clean technologies

Develop infrastructure to grow green startups into mature businesses (e.g., office space and low-cost warehousing for short- to medium-term use)



# PREPAREDNESS & RESILIENCY

## VISION

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

2017



**10,000**  
COOL ROOFS

2025



UHI  
**1.7↓**  
degrees

2035



“RETURN TO  
NORMAL”

## EXAMPLE STRATEGIES

Reduce the impact of Los Angeles’ urban heat island effect

Safeguard buildings through seismic retrofits outlined in the City’s “Resilience by Design” plan

Help individuals to be prepared

## EXAMPLE INITIATIVES

Leverage libraries and other city facilities to distribute information on preparedness and action plans

Assess and retrofit vulnerable pre-1980 soft story and concrete buildings

Promote “softening” of hardscape in alleys and parking lots

**EQUITY**





# AIR QUALITY

## VISION

We all have healthy air to breathe

2017



EV CHARGERS

2025

Nonattainment



days

2035



PEV

25%

## EXAMPLE STRATEGIES

Convert local goods movement to zero-emissions

Transition personal transport toward zero emissions

Accelerate air quality improvements at the Port of Los Angeles

## EXAMPLE INITIATIVES

Streamline rates and permits to make charging stations in homes and multifamily buildings easier and cheaper

Support gasification and electrification of heavy-duty rail

Implement the Clean Truck Program (CTP)



# ENVIRONMENTAL JUSTICE

## VISION

We ensure that the benefits of the pLAN  
extend to all Angelenos

2025

CAL ENVIRO  
SCREEN



14  
per 1000  
children

2035

FOOD  
ACCESS



1/2  
MILE

## EXAMPLE STRATEGIES

Eliminate food deserts, prioritizing  
residents in underserved communities

Improve air quality and reduce toxicity  
in LA's most affected areas

## EXAMPLE INITIATIVES

Implement and expand Clean Up Green  
Up program

Create new retail siting policies and  
update Community Plans to encourage  
new grocery retail in high-impact  
underserved areas

Target highest scoring CalEnviroScreen  
tracts for investments of cap-and-trade  
revenue

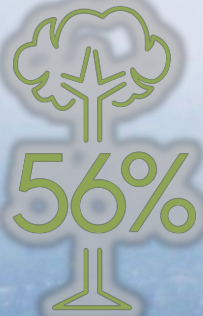


# URBAN ECOSYSTEM

## VISION

We all have access to parks and open space,  
including a revitalized LA River Watershed

2017



56%

2025

32  
miles

2035



50%

## EXAMPLE STRATEGIES

Develop funding streams for park  
quality and maintenance

Protect and support biodiversity

## EXAMPLE INITIATIVES

Convene an expert council to develop  
soil health and “no-net-loss”  
biodiversity strategy

Provide access to land at LA City  
facilities, including the LA Public  
Library, to urban agriculture

Prioritize access infrastructure/LA River  
Bikeway in River revitalization





# LIVABLE NEIGHBORHOODS

## VISION

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



2025



Walk Score

## EXAMPLE STRATEGIES

Strengthen pedestrian and bike safety

Connect Angelenos through increased community events in public spaces

Improve the vibrancy of our streets

## EXAMPLE INITIATIVES

Expand “People St.” public space conversions

Adoption of “Vision Zero” policy and establishment of a multi-agency safety task force

Use our libraries as a platform to promote environmental and social engagement

**LEAD BY EXAMPLE**



# LEAD BY EXAMPLE

## VISION

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

2017



50%

2025



25%

2035



55%

## EXAMPLE STRATEGIES

Reduce municipal building energy consumption

Reduce municipal water consumption

Integrate sustainable practices into all City departments and operations

## EXAMPLE INITIATIVES

Increase the municipal green building standard for new construction

Reduce watering to two times per week at City facilities

Pursue a defined role for cities in update to California GHG legislation



# SUSTAINABILITY DASHBOARD - PERFORMANCE TRACKING



# Reporting mechanism

| Overview |   | Ownership       |   |             | Outcomes  |   | Progress to 2015   |  |                     |
|----------|---|-----------------|---|-------------|---|---|--|--|---------------------|
| #        | Initiative  | Lead department | Other departments                               | MOS manager | Near term (2017)  | Long term (2025/35)   | 2015 results   | Current activities   | Status / % complete |
| 181      | Develop more EV charging stations on public/municipal property  | MOS             | GSD, DWP, BSL                                   | Susana      | Install more than 1,000 publicly available EV charging stations, with more than 100 (including DC fast chargers) on City property | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   | Zoo in Partnership with DWP and Adopt-A-Charger will be completing an EV Charging Station by September. The station includes 1 DC Fast Charger and 6- Level 2 chargers and is located in the Zoo | GSD: 06/2015 - Applied for MSRC grant to install 42 EV charging stations; BOE will write a policy to require new municipal projects to install EV charging stations; Include in creation of solar/PV fund. |                     |
| 182      | Develop and execute comprehensive EV infrastructure strategy  | MOS             | GSD, DWP, BSL, BSS, MOCS                        | Susana      | Install more than 1,000 publicly available EV charging stations, with more than 100 (including DC fast chargers) on City property | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   |  |  |                     |
| 183      | Streamline rates and permits to charging stations in homes and multifamily buildings easier and cheaper   |                 |   |             | Install more than 1,000 publicly available EV charging stations, with more than 100 (including DC fast chargers) on City property | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   |  |  |                     |
| 184      | Support California Air Resources (CARB) rulings on efficiency standards for vehicles  |                 |   |             |   | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   |  |  |                     |
| 185      | Work to include emission reduction credits for EV charging infrastructure AQMD's Air Quality Investment Program (Rule 2202) for large employers |                 |   |             |   | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   |  |  |                     |
| 186      | Modify Green Building Ordinance to require EV charging  | DBS             |   | Susana      | Install more than 1,000 publicly available EV charging stations, with more than 100 (including DC fast chargers) on City property | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   | Ongoing. Will be in effect by 2017.  | DBS: As part of the code adoption process, will amend the 2016 state code to require EV chargers on buildings. Ordinance will be submitted to council in late 2016 and will take effect 1/1/2017.          |                     |
| 190      | Green the City fleet to reduce fuel use (e.g., EVs, efficient vehicles, rightsizing, telematics, and behavior change)                           | GSD             | MOS, POLA, LAWA, BOS, DWP, DOT, Animal Services | Jeanalee    | Install more than 1,000 publicly available EV charging stations, with more than 100 (including DC fast chargers) on City property | Electric Vehicles (EVs): Increase the percentage of electric and zero emissions vehicles in the city to 25%   | GSD conducted an EV pilot program and tested 4 vehicle models  | GSD: Working towards 50% of new vehicle purchases for motor pool to be EVs (2015-16) GSD: Purchase 15 EVs in 2015-16 - 8 full electric & 7 plug-in hybrids   |                     |
| 203      | Pilot new forms of low-impact transport (e.g., EV bus, car share, taxis)  | DOT             | MOCS, MOS                                       | Susana      | Install more than 1,000 publicly available EV charging stations, with more than 100 (including DC fast chargers) on City property | Respiratory Illness: Reduce the number of annual childhood asthma-related emergency room visits in LA's most contaminated neighborhoods to less than 8 per 1,000 children |  |  |                     |

## Ownership

- Lead: GSD
- Other: MOS, POLA, LAWA, BOS, DWP, DOT, Animal Services
- MOS manager: Jeanalee Obergfell

## Progress to 2015

- 2015 results: GSD conducted an EV pilot program and tested 4 vehicle models
- Current activities: GSD working towards 50% of new vehicle purchases for motor pool to be EVs (2015-16), with plan to purchase 15 EVs in 2015-16 (8 full electric & 7 plug-in hybrids)

## Initiative # & name

190: Green the City fleet to reduce fuel use (e.g., EVs, efficient vehicles, rightsizing, telematics, and behavior change)

## Near & long-term outcomes

## ADOPT THE PLAN – CITY WIDE OWNERSHIP

Name \*

Email \*

Organization \*

How will you Adopt-the-pLAn? \*

(200 characters or less)

Provide additional details on your commitment

Optional

Which topic area(s) does your commitment address to Adopt the pLAn into action?

Optional

CLICK TO  
ADOPT  
THE  
pLAn

### Wendy Cohen, Small Business Owner

As a small business owner, will reduce water use, carpool more often, purchase an EV and offer incentives to employees who take public transportation

### L.A. Better Buildings Challenge

Will double their commitment from 30M square feet to 60M, ramping up their work in the affordable housing sector, and rolling out an exciting new water conservation initiative.

### Kilroy Realty Corporation

Reduce energy and water use and increase recycling in our LA buildings owned by Kilroy

### Echo Horizon School

With teacher guidance, 3rd Grade students will research water use and resources across the state. They will then plan and implement water conservation measures for their own homes and create a public awareness campaign about the drought.





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