

GREEN NEW DEAL PLAN

ESIG Green Cities & Energy Systems Integration
May 28, 2020



The Role of Cities

- Urban centers are the first and last line of defense against both climate change and infectious disease
- Cities are leading national and global action on climate, and now, on recovery
- Decisions made now will have generational consequences



What is L.A.'s Green New Deal?

- An expanded vision of the 2015 pLAN, and elaborates in even more detail L.A.'s vision for a sustainable future
- An action plan that tackles the climate emergency with accelerated targets and new aggressive goals
- Paris-compatible plan that accelerates emission reductions and reaches carbon neutrality by 2050



Green New Deal Topic Areas



**Environmental
Justice**



**Renewable
Energy**



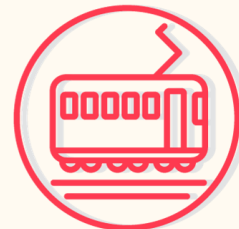
Local Water



**Clean & Healthy
Buildings**



**Housing &
Development**



**Mobility & Public
Transit**



**Zero Emission
Vehicles**



**Industrial
Emissions & Air
Quality Monitoring**



**Waste & Resource
Recovery**



Food Systems



**Urban Ecosystems
& Resilience**



**Prosperity &
Green Jobs**



Lead by Example

L.A.'s 5 Zeros

Emissions must decline everywhere, as soon as possible. L.A.'s GND puts our city on the road to a zero carbon future across the board.



Zero Carbon Grid

80% renewable energy by 2036 & 100% by 2045



Zero Carbon Buildings

100% net-zero carbon new buildings by 2030 & all buildings by 2050



Zero Carbon Transportation

80% zero emission vehicles in the city by 2035 & 100% by 2050



Zero Waste

95% landfill diversion rate by 2035 & 100% by 2050

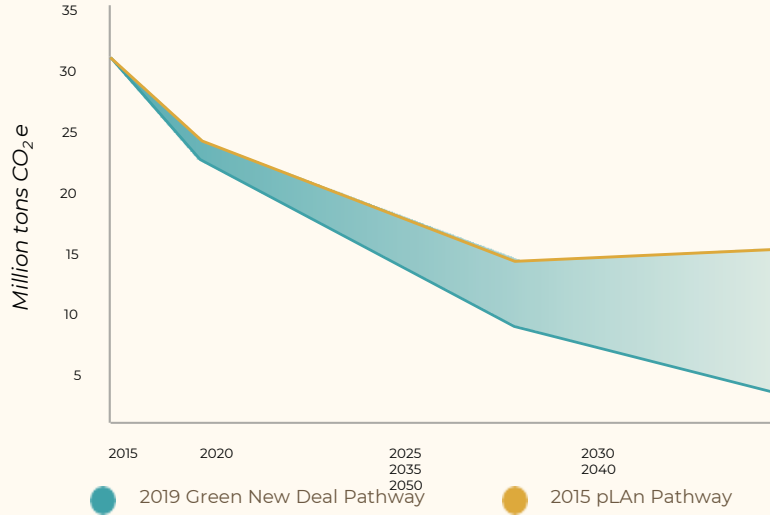


Zero Wasted Water

100% of our wastewater recycled by 2035

Our Climate Emergency

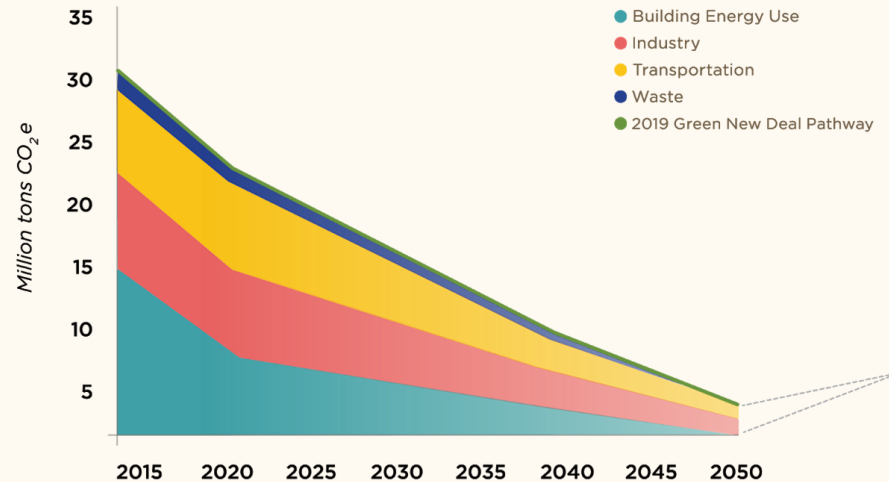
L.A. Greenhouse Gas Emissions Pathways



L.A.'s accelerated Green New Deal Pathway will save 200 million tons of GHG emissions, equivalent to the annual emissions of New York, London, Tokyo, and Hong Kong combined.

L.A.'s Green New Deal puts our city on the road to a zero carbon future across the board:

- Zero carbon grid
- Zero carbon buildings
- Zero carbon on-road transportation
- Zero waste
- Dramatic reductions in manufacturing and industrial GHG emissions



8.5%

LA100

The Los Angeles 100% Renewable Energy Study



LA100 Study Objectives

- What are the **pathways** and **costs** to achieve 100% RE while maintaining current reliability?
- What is the impact on the **environment**?
- What are the potential for **high quality careers** and **local economic development**?
- How can **environmental justice** communities be part of the solution?
- In coordination with Ratepayer Advocate: What are impacts to **electricity rates**?

What Is Unique About LA100?



LADWP must
balance
electricity supply
and demand
at all times



First-of-its-kind
modeling



Objective,
transparent,
stakeholder-based
analysis
of pathways to
100% RE

LA100 does not present recommendations or suggest policies

The Opportunity Before Us



This is not just about reopening and recovering but reimagining our city and all we can do better to see more blue skies like we've seen in recent weeks, to build more public transportation to have more opportunities for us to be healthy. Looking out our windows, we can see the remarkable impact of the work that we have done to keep ourselves safe and how our Earth has responded. But as we emerge from this blue sky and go back in the future to a new Los Angeles, let us make sure that everything - from Los Angeles' Green New Deal to the work that we've done on transportation and cleaning our air - continues as well.

- **Mayor Garcetti, Earth Day 2020**