



Carbon & Climate Leadership

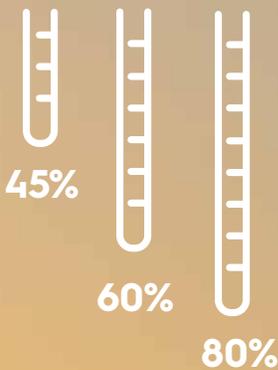
Climate change is considered by many experts to be one of the biggest challenges facing humanity, and it will bring dramatic challenges to Los Angeles in the coming years, including wide-ranging effects on the health and welfare of Angelenos. As the largest city in a state that is taking the most ambitious and aggressive action on climate change, LA is poised to establish itself as the national leader in carbon reduction and climate change action, and in doing so catalyzing clean energy industry and creating new green jobs. Los Angeles is currently reducing greenhouse gas emissions through the elimination of coal in our energy mix, prioritizing energy efficiency, and inspiring other cities across the US to take similar action.



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

REDUCE GHG EMISSIONS
Below 1990 baseline

2025 2035 2050



2025



We will improve the GHG efficiency of Los Angeles's economy from 2010 levels by 55%

2025



We will be completely divested from coal-fired power plants

DID YOU KNOW?

- More than 70% of global greenhouse-gas emissions come from cities, with buildings and energy use as the greatest contributors.
- Transportation and coal-fired power plants are the largest sources of greenhouse-gas emissions for Los Angeles
- LA faces the consequences of climate change on several fronts: a future of increased extreme heat, worsened drought, a longer fire season, and low-lying neighborhoods vulnerable to rising sea levels.



Juan Carlos Chan / Los Angeles Department of Recreation and Parks



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LA's Leadership To Date

- LA is on track to beat California's goal of reducing greenhouse gas emissions to 1990 levels by 2020.
- By 2025, Los Angeles will eliminate its use of coal-fired electricity.
- Mayor Garcetti serves on the C40 steering committee; represents the largest city on President Obama's Climate Task Force; and co-created the Mayors' National Climate Action Agenda, a national movement to drive cities to take action and improve standards for carbon inventories and climate action.

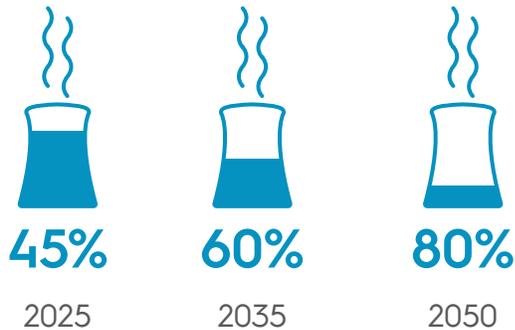


Targets

Long-Term Outcomes

Greenhouse Gas (GHG) Emissions:

- Reduce GHG emissions below 1990 baseline by at least:



54.1 MMtCO₂e* in 1990

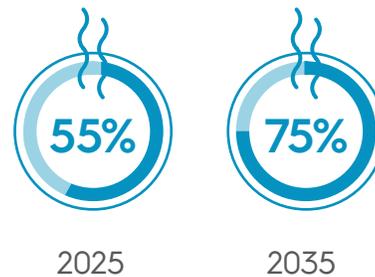
Source: Los Angeles Bureau of Sanitation Climate Inventory

*Million metric tons of carbon dioxide equivalent

1990 baseline subject to revision to align with forthcoming national GHG accounting protocols.

GHG Efficiency:

- Improve GHG efficiency of Los Angeles's economy from 2009 levels:



GHG efficiency is the amount of GHGs emitted per dollar of economic productivity, 44.5 mtCO₂e* per million dollars of metro area GDP in 2009

Climate Leadership:

- Influence national and global action through the leadership of LA and other cities on climate change

Coal-Free Electricity:

- Have no ownership stake in coal-fired power plants by 2025

2017

Near-Term Outcomes

- Establish a pathway to derive 50% of LADWP's electricity from renewable sources by 2030
- Develop a comprehensive climate action and adaptation plan, including an annual standardized GHG inventory
- Work with other cities to establish standardization of municipal and community-wide GHG inventory reporting in the US and globally
- Lead mayors of US' largest cities to sign on to the Mayors' National Climate Action Agreement (MNCAA)
- Accelerate the decarbonization of the electricity grid, including ceasing delivery of power from Navajo Generating Station



Strategies & Priority Initiatives



VISION

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Measure and prepare for citywide climate action

- Build on Climate LA work to develop a climate action plan that integrates with state and national goals and quantifies emission reductions from policy actions
- Perform analysis of long-term GHG reduction measures needed to meet 80% reduction target by 2050

De-carbonize LA's electrical grid

- Retire coal power plants on schedule
- Incorporate GHG reduction targets into DWP's Integrated Resource Plan
- Pursue a mix of renewable resources (utility-scale solar, distributed solar, hydro, wind, geothermal) to meet RPS commitments
- Assess development of a statewide Clean Energy Standard as a means to achieving greater emissions reductions above the current RPS

Reduce individual and citywide energy consumption through education and retrofitting

- Reduce energy consumption of individuals and buildings
- Reduce imported water use and associated GHG emissions
- Increase education on GHGs and individual actions via libraries, zoo, local colleges/universities, and other public outlets

Leverage local expertise to develop and support climate-change related technologies

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

Lead national initiatives and international efforts to establish binding climate agreements

- Recruit other US mayors to the MNCAA
- Implement key MNCAA tenets: required GHG reporting, standard updates to GHG inventory, and offset projects in the city
- Lead regional cities to make GHG reduction commitments consistent with national and international agreements

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ENVIRONMENT