

2045 CLIMATE ACTION PLAN

Community Services Cluster
February 28, 2024



2045 Climate Action Plan

County of Los Angeles
October 2023

LOCAL LEADERSHIP

Board of Supervisors Motions on Climate Action

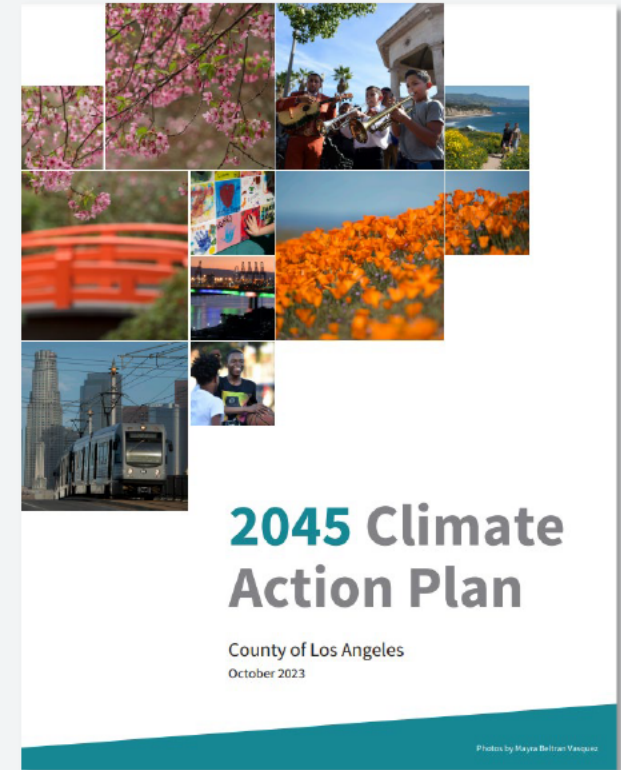
- Support The Paris Climate Agreement
 - Complete a new inventory of the County's greenhouse gas emissions, establish future emissions targets, and develop an updated climate action plan
- Energy Resiliency Policy and Impact on Disadvantaged Communities
- Support the Medium- and Heavy-Duty Electric Vehicle Infrastructure Act
- Addressing the Need to Create Climate Resilient Communities
- Ensuring the Equitable Decarbonization of Buildings
- Establishing an LA County Climate Budget to Achieve Carbon Neutral County Operations

LOCAL LEADERSHIP



Enhancing the well-being of communities, reducing damage to the natural environment, and adapting to the changing climate.

Focuses on actions to reduce greenhouse gas emissions from the source and expands opportunities for carbon sequestration.



2045 CLIMATE ACTION PLAN

Comprehensive update to 2015 Community Climate Action Plan

- Horizon year of 2020

County's roadmap for GHG reductions

- New horizon years of 2030, 2035, and 2045
- Self-directed policy document
- Unincorporated areas only
- County performance objectives
- Creates a voluntary streamlined CEQA pathway for new development
- 5-year interval assessment/update



Energy Supply



Transportation



Building Energy
and Water

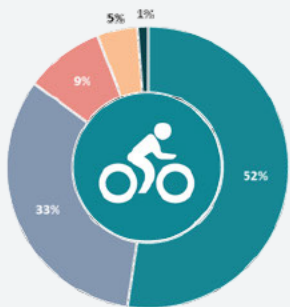


Waste



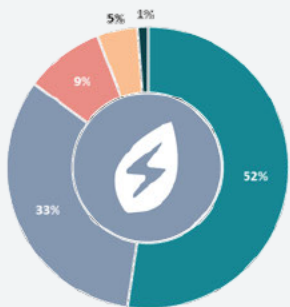
Agriculture,
Forestry, and
Other Land Uses

2045 CLIMATE ACTION PLAN



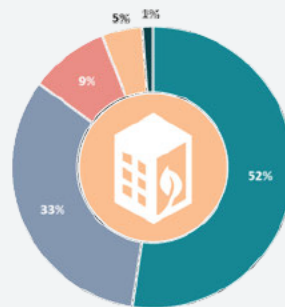
Transportation

- Increase Density Near High-Quality Transit Areas
- Develop Land Use Plans Addressing Jobs-Housing Balance and Increase Mixed Use
- Broaden Options for Transit, Active Transportation, and Alternative Modes of Transportation
- Increase ZEV Market Share and Reduce Gasoline and Diesel Fuel Sales



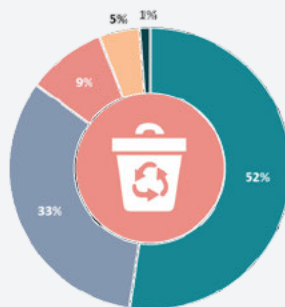
Stationary Energy

- Develop a Sunset Strategy for All Oil and Gas Operations
- Procure Zero-Carbon Electricity
- Decarbonize New and Existing Buildings
- Increase Use of Recycled Water and Graywater Systems
- Reduce Indoor and Outdoor Water Consumption



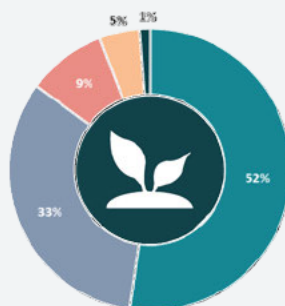
Industrial Processes

- Decarbonization Actions for Building Materials and Refrigerants



Waste

- Institutionalize Sustainable Waste Systems and Practices
- Increase Organic Waste Diversion



Agriculture, Forestry, and Other Land Uses

- Conserve Wildlands and Working Lands
- Support Regenerative Agriculture
- Expand County's Tree Canopy and Green Spaces

GENERAL PLAN CONSISTENCY

Implements Air Quality Element

- Air Quality Element's goals and policies are being updated to reflect future climate goals.

Consistent with Housing Element

- Program 3 calls for the update to the Climate Action Plan.

Consistent with Economic Development Element

- Policy ED 1.2: Encourage and foster the development of renewable energy economic sectors.
- Policy ED 2.3: Ensure environmental justice in economic development activities.
- Policy ED 2.4: Ensure high standards of development and encourage environmentally sustainable practices in economic development activities.
- Policy ED 2.5: Encourage employment opportunities to be located in proximity of housing.

ECONOMIC DAMAGES DUE TO CLIMATE CHANGE

CA Estimates

2024 February storm - **\$9-11 billion**

2023 Hurricane floods - **\$2 billion**

2022-2023 Winter storm floods - **\$5-7 billion**

2021 Drought - **\$1.1 billion**

2020 Wildfires - **\$5-9 billion** (insured losses)

2017-2018 Wildfires - **\$10 billion** (insured losses)

2012-2016 Drought - **\$3.8 billion**



CLIMATE ACTION FUNDING OPPORTUNITIES

Inflation Reduction Act

Climate Pollution Reduction Grants - **\$4.5 billion**

Bipartisan Infrastructure Law

Electric Vehicle Charging, Batteries, Critical Materials - **\$7.5 billion**

Modernizing the Grid and Deploying Clean Energy - **\$62 billion**

Orphaned Wells and Abandoned Mine Lands - **\$16 billion**

Climate Change Resilience - **\$50 billion**

2045 CAP QUESTIONS

Do development projects need to meet the performance objectives in the CAP?

NO

Performance objectives in the CAP are guideposts for the County to meet the overall GHG emission reduction targets, not requirements or mandates for individual development projects. The performance objectives in the CAP and the requirements in the voluntary 2045 CAP CEQA Streamlining Checklist are different.

2045 CAP QUESTIONS

Is the intent of the CAP to restrict housing?

NO

The 2045 CAP encourages sustainable housing production at all levels of affordability. Measure T1 (Increase Density Near High-Quality Transit Areas) proposed to increase housing densities near transit to the extent allowed in the General Plan. The 2045 CAP provides a voluntary CEQA Streamlining Checklist for development projects to use that can reduce time and cost associated with conducting project level GHG analysis and helps meet the Housing Element's goal of sustainable housing production. The 2045 CAP is identified as the Housing Element's Program 3.

2045 CAP QUESTIONS

Does the CAP require development projects to have 300 jobs/acre?

NO

This performance objective is not a requirement for new development projects and is not a requirement in the 2045 CAP CEQA Streamlining Checklist. It is a County goal that is targeted for specific locations that have high-quality transit mixed with planned high density within the County, such as transit-oriented development areas, and represents an average value for job density across those high-quality transit areas.

2045 CAP QUESTIONS

Does the CAP ban natural gas?

NO

Measure E1 (Decarbonize Existing Buildings) and Measure E2 (Decarbonize New Development) is a pathway to bring carbon-free options into buildings. This can be achieved through Building Performance Standards and reach code requirements. There will be consideration for varying climate, geography, infrastructure, and sole-source dependency challenges that rural communities and unique industries may face where decarbonization may be difficult to achieve. These considerations will be identified and further developed during the development of an implementing ordinance. The State Energy Code already mandates that new homes be electric-ready.

2045 CAP QUESTIONS

Does the CAP require that all water be sourced locally?

NO

It considers a range of water sources, uses, and available technologies to reduce water use and increase water efficiency. Performance objectives are not project-level mandates but future benchmarks for water conservation that the 2045 CAP aims to meet through current and future conservation methods.

2045 CAP QUESTIONS

Are development projects required to use the Checklist?

NO

The Checklist is voluntary and streamlining environmental review is provided as an incentive for projects to meet the emissions reduction goals of the 2045 CAP and save time and money on project level analysis. Projects are still able to conduct their own project GHG analysis.

WHY DO WE NEED A CAP NOW?

- **Comply with Board of Supervisors' directive**
- **Existing CAP is outdated**
- **Implement Housing Element Program 3**
- **Communicates the comprehensive pathway for local climate action; does not piecemeal**
- **Climate related disasters are increasing and costing taxpayers**
- **Investments in infrastructure can save lives and money over time**
- **Adaptation and resiliency depends on changes to how we do business**
- **Competitive funding opportunities**