



CLIMATE ACTION & ADAPTATION PLAN



PRESENTED BY:



INTRODUCTIONS PROJECT TEAM



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AGENDA

1:00 - 1:40

Climate Action & Adaptation Plan overview

1:40 - 2:00

Q&A

2:00 - 2:30

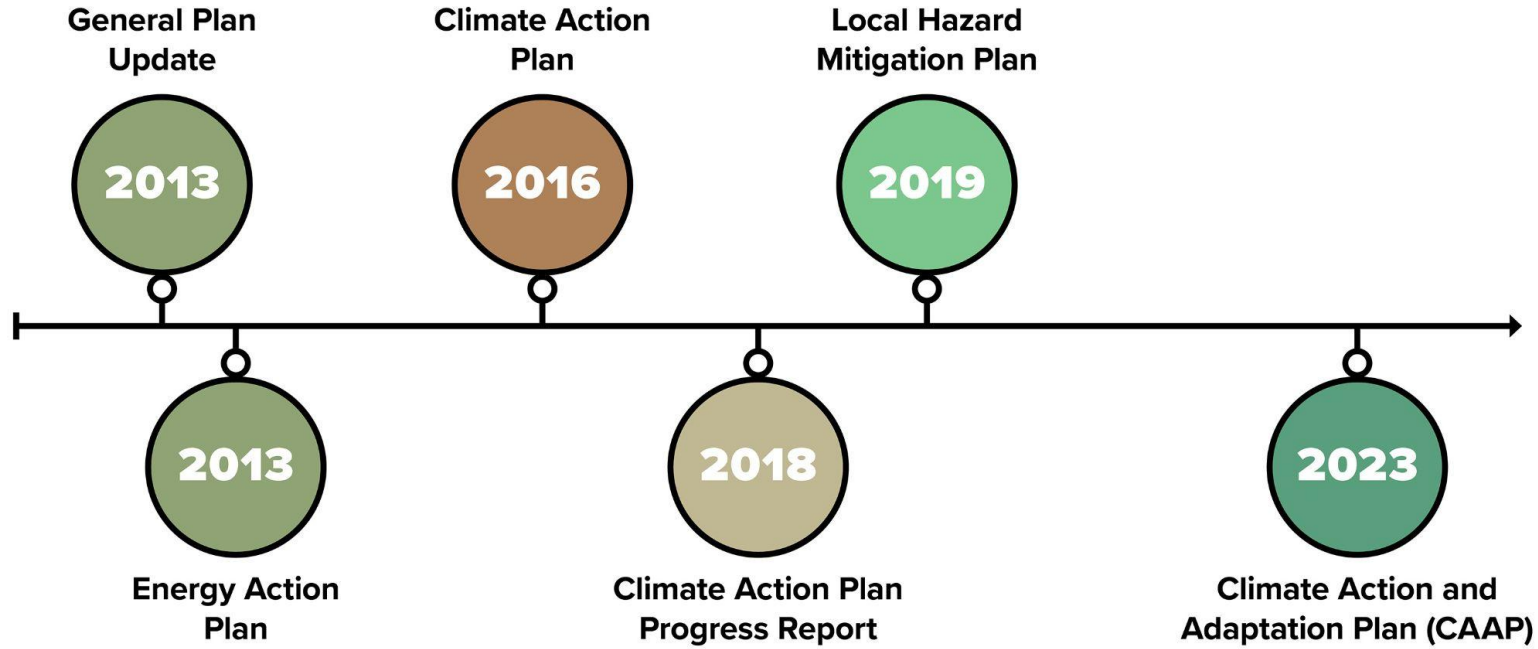
Community Involvement

2:30 - 3:00

Wrap Up & Next Steps



PAST PLANNING DOCUMENTS



CAAP TIMELINE AND KEY MILESTONES

MAY



Greenhouse Gas Inventory and Forecast

JULY-AUG



Strategy Development

OCTOBER



Draft CAAP

NOVEMBER



Final CAAP

CAAP BASELINE AND OBJECTIVES

State Requirements

- **SB 32** : Sets target of reducing emissions to 40% below 1990 levels by 2030
- **SB 379 (2015)**: Requires each municipality to conduct a Climate Vulnerability Assessment
- **SB 100 (2018)**: Sets target of 100% renewable energy by 2045

Existing greenhouse gas emission goals from 2016 CAP

- 15% below 2007 emission levels by the year 2020
- 58% below 2007 emission levels by 2035





ADAPTATION

- **Future Changes**

- Up to 10x more extreme heat days (above 98.7 degrees)
- Increased variability and intensity of rainfall (resulting in increased flooding)
- Number of wildfires expected to increase up to 2x by end of the century

- **Impacts on La Cañada Flintridge**

- Increased heat stress on plants (esp. natives)
- Increased need for building cooling
- Increased stream bank erosion

Potential Solutions

- Infrastructure hardening
- Community networks
- Resilience hubs

ACHIEVEMENTS



- 21% reduction in Municipal energy
- 40% reduction in Municipal fleet emissions
- 4,200+ kW of residential solar installed
- 345+ community trees planted
- ban on single-use plastic bags
- 29% reduction in municipal water use
- 25% of new residential development with water efficient features
- 17 new bike racks installed
- 16% increase in LCF Shuttle ridership
- 3 new charging stations installed
- 95% construction & demolition diversion rate & 75% city-generated solid waste

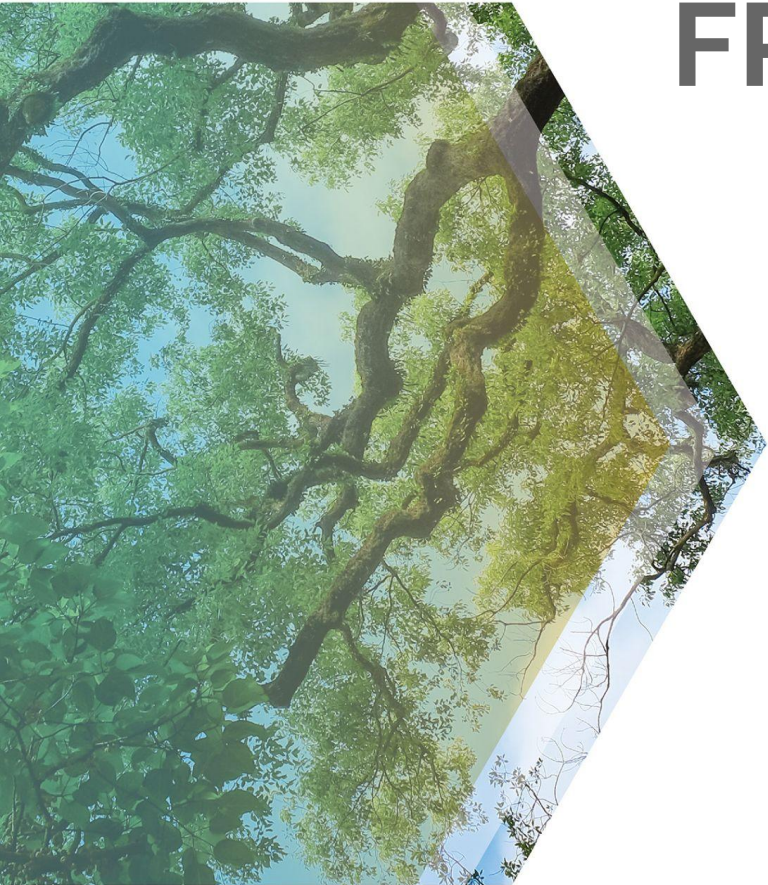


CALL TO ACTION

“Climate Change is sometimes misunderstood as being about changes in the weather. In reality, it is about changes in our very way of life.”

- Paul Polman

FRAMING THE GAP ANALYSIS



Transportation

Energy

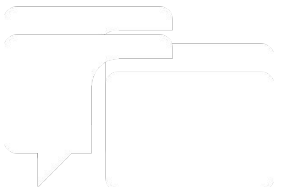
**Resource
Conservation**

**Green
Community**

**Equity and
Resilience**



- Greenhouse Gas Reduction potential
- Cost-Effectiveness
- Community Benefits (clean air, livable community, resiliency, etc.)
- Effects on the Economy
- Alignment with State and Local Policies
- Equity and Climate Justice



TRANSPORTATION



Mode Shifting

Transition cross-town transit shuttle to all electric

Consider initiating a bus shuttle for students to get to school

Consider rideshare options to LAX

Electric Vehicles

Explore preferred EV-only parking spaces in high traffic areas

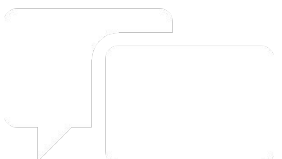
Set goal of all new City vehicle purchases as EVs by 2030

Transition public transit to all electric

Accessibility

Increase the frequency of public transit stops

Incorporate a bike lane through town



Best Practice Ideas for discussion

ENERGY



Net Zero Emissions

Consider renewable natural gas programs

Mandate energy retrofits at the time of property re-sale

Ban gas-powered lawn equipment

Buildings

Explore battery storage for City facilities; especially cooling centers

Explore passive house incentives

Require additions and remodel construction to be all electric

Partnerships

Join Clean Power Alliance

Explore ways to expand education and energy efficiency rebates; subsidize energy audits

Best Practice Ideas for discussion

RESOURCE CONSERVATION



Policy

Expand diversion policies according to state mandated SB 1383 food recovery networks

Require water-saving landscaping in all new construction

Establish franchise agreement for waste hauling

Education and Outreach

Create a centralized resource page on the City's website

Design a Train the Trainer campaign to disseminate information around waste and energy initiatives

Launch a Sustainability Speaker series or newsletter

Sustainable Consumption

Support reusable foodware purchasing

Promote consumer awareness of sustainable food choices

Promote Reuse, Repair, Recovery, and Refurbishment economy

Best Practice Ideas for discussion

GREEN COMMUNITY

Built Environment

Create guidelines for improved stormwater management and thermal comfort in new construction

Increase the number of LEED certified buildings

Improve the use of sustainable materials in new construction

Land Use

Identify areas of town that could be targeted for community gathering place

Designate 10% percent of land as green space

Increase the number of streets with sidewalks

Nature-based Solutions

Consider Carbon Farming as a GHG reduction method

Explore community gardens

Best Practice Ideas for discussion

ADAPTATION and RESILIENCE



Adaptation

Increase Infrastructure
hardening

Strengthen community networks

Establish resilience hubs

Resilience

Expand creek setbacks to
promote habitat and reduce
flood risk

Increase abundance and
diversity of native species

Best Practice Ideas for discussion

COMMUNITY DISCUSSION

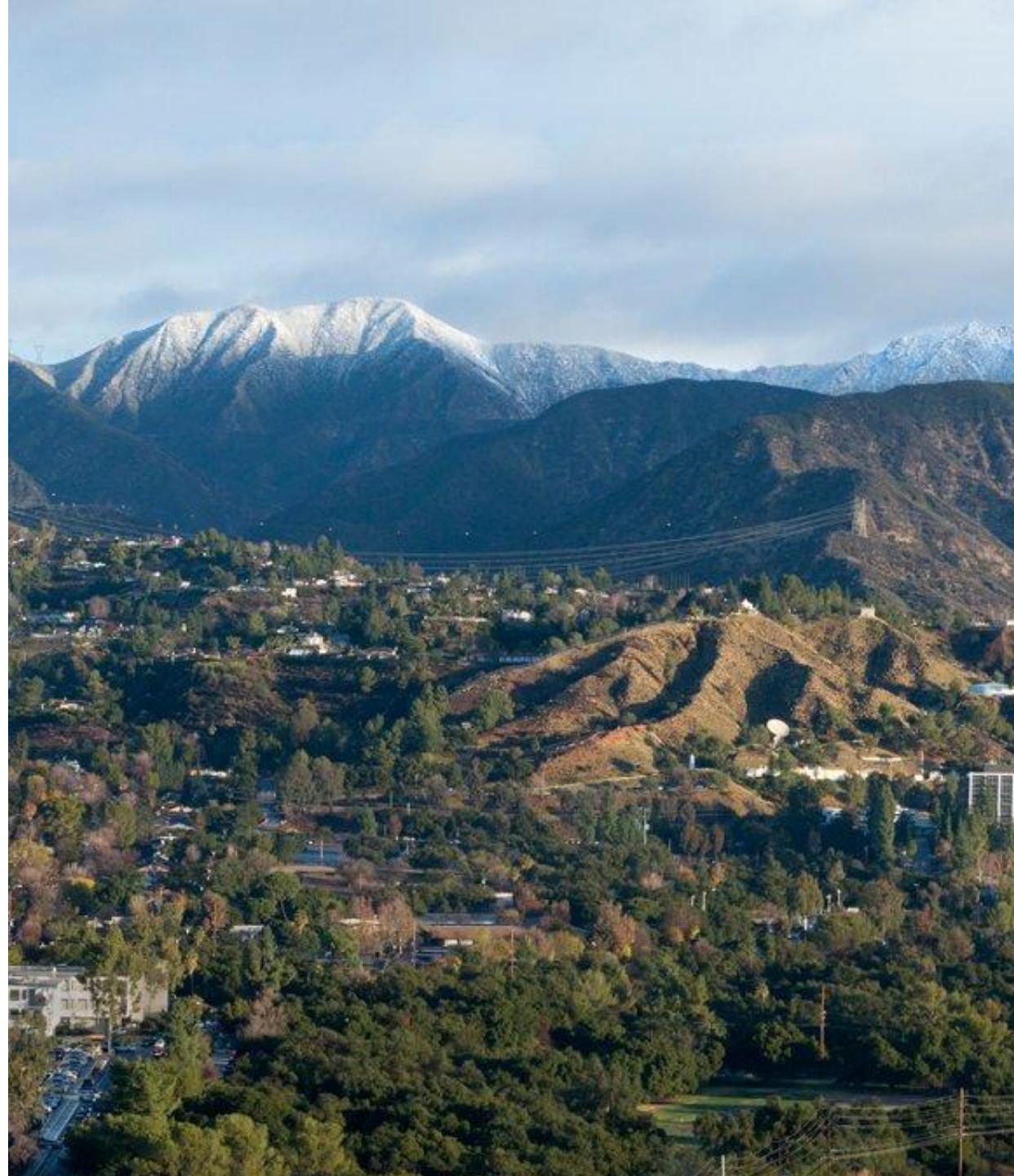
- How are you planning for extreme events?
What if any current and/or future impacts of climate change do you feel your home or business is most vulnerable to (flooding, extreme heat, etc.)?
- What are the broad economic and community development goals that you'd like to see the Plan support?
- What are some ideas to mobilize the community in terms of behavior change?
- What role(s) can you or your organization play going forward in implementing the Plan, and what do you need from the City to succeed with these efforts?
- Do you feel there are adequate bike, walking and transit options in the City? What would encourage you to walk or bicycle more?
- What would encourage you to purchase an electric vehicle or take public transit more often?
- What are strategies to expand local food distribution and food recovery networks?



NEXT STEPS

- ❑ Complete GHG Inventory & Forecast
- ❑ Finalize GHG Reduction Target(s)
- ❑ Completion, review and finalization of Vulnerability Assessment
- ❑ Synthesize community outreach, including workshop series and online survey
- ❑ Draft CAAP strategy development

How would you like to receive info about the CAAP?



Take the Survey & Follow the CAAP's Progress

Take the Survey:



Check out the [City of La Cañada Flintridge website](#) for more information about engagement opportunities and plan updates or follow the City on:

[Twitter](#)

[Facebook](#)

Contact us:

Emily Stadnicki: estadnicki@lcf.ca.gov

Ben Fordham: ben@bluestrikeenvironmental.com



DISCUSSION

What goals related to the City's operations would you like to see the Plan support (go net zero, reduce commute emissions, establish resilience hubs)?

Do you participate in curbside composting? If not, what would encourage you to do so?

What are some challenges or resources needed?



DISCUSSION

What opportunities do you see to improve the City's natural environment?

What innovative pilot projects/technologies would you most like to see?

What policies or practices would support a greener community?

Are there specific land-use practices the region is particularly well suited to for adoption/expansion?

What are some challenges?

How can the City help?



DISCUSSION

What would make you more inclined to walk, bike, or take public transit?

How easy is it to travel sustainably throughout the city/region?

What are some challenges in EV vehicle adoption?

What are some challenges in taking public transit?

How can the City help?



DISCUSSION

What opportunities do you see to reduce energy use or to transition to more sustainable sources?

What types of incentives (energy efficiency, EV charging, on-site renewable energy) would you like to see?

Would you support a policy for all new construction to be required to be all-electric?

What are the challenges?