

# CONSIDERATION OF A RESOLUTION ADOPTING A CLIMATE ACTION AND ADAPTATION PLAN (CAAP)

April 1, 2025

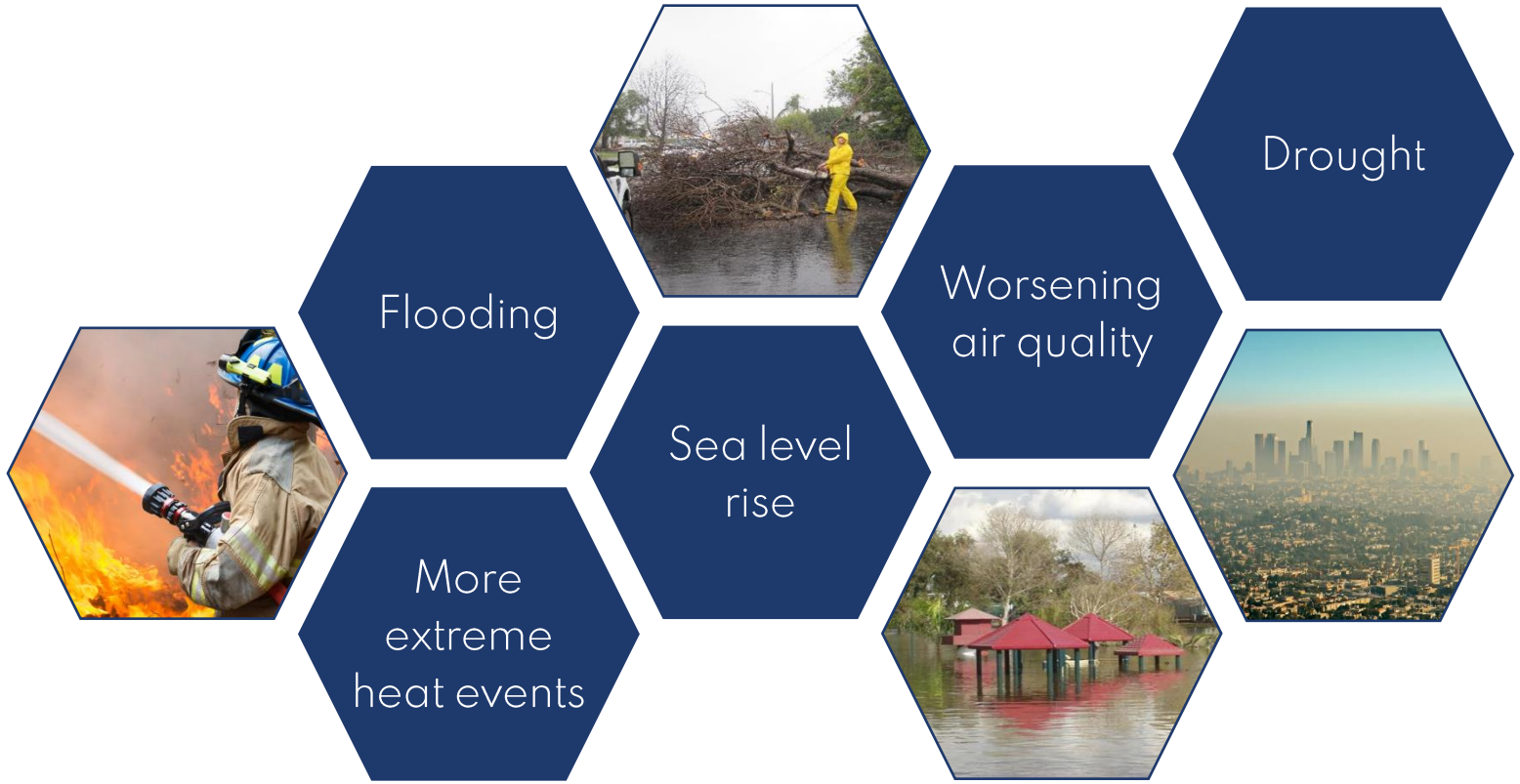


# OVERVIEW

1. BACKGROUND
2. CLIMATE ACTION AND ADAPTATION PLAN
3. GHG EMISSIONS, REDUCTIONS, AND TARGETS
4. COMMUNITY ENGAGEMENT
5. IMPLEMENTATION AND MONITORING
6. ENVIRONMENTAL REVIEW
7. STAFF RECOMMENDATION



# LOCAL CLIMATE IMPACT



# STATE MANDATED GHG REDUCTIONS

- 2005 - Executive Order S-3-05
  - 80% below 1990 levels by 2050
- 2016 - SB 32
  - 40% below 1990 levels by 2030
- 2022 - AB 1279
  - 85% below 1990 levels by 2045
  - Achieve net-zero emissions no later than 2045



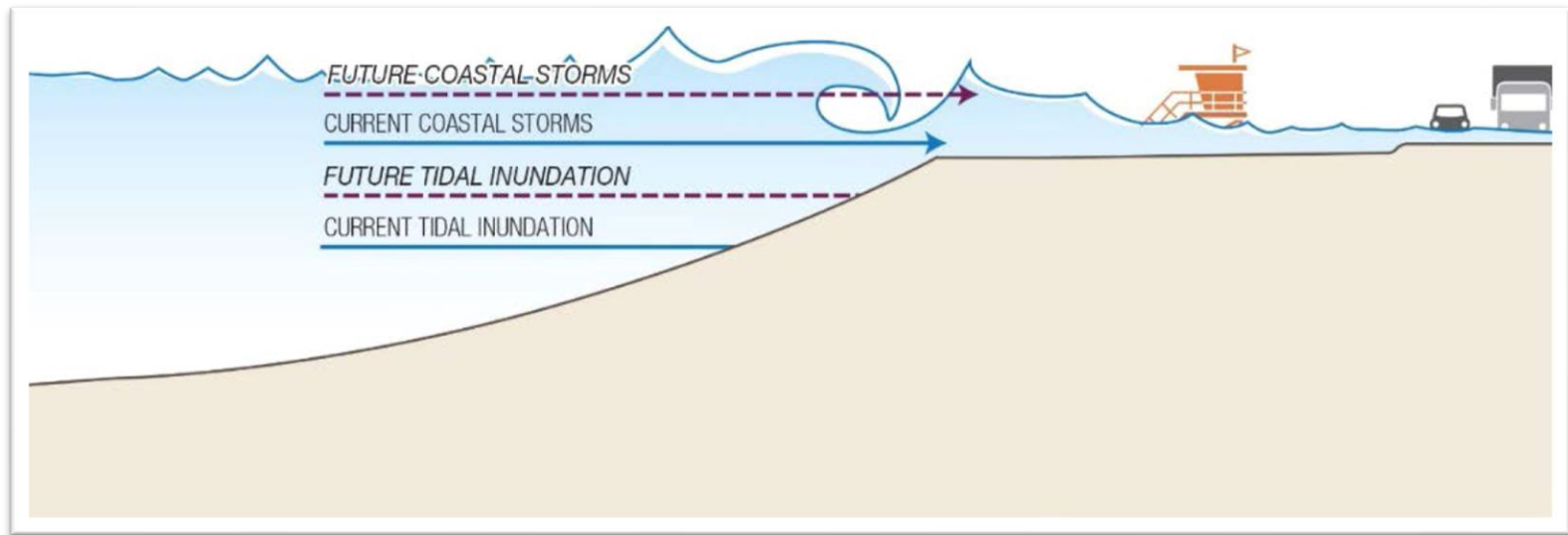
# LOCAL ACTION

- 2008 – Environmental Task Force
  - Address priority issues identified by City Council
- 2010 – Climate Action Plan (SBCCOG)
  - Adopted by City Council on April 20, 2010
  - Reduce GHG emissions by 15% below 2005 levels by 2020
- 2018 – Environmental Work Plan
  - Development of a Climate Action and Adaptation Plan (CAAP)



# LOCAL ACTION - CAAP

- Align with the State's GHG targets
- Better prepared for rising temperatures, extended droughts, wildfire seasons, and sea level rise



CAAP Figure 4-6: Conceptual Shoreline Cross-Section Showing Tidal Inundation and Coastal Storm Flood Hazards



# PUBLIC OUTREACH

- City contracted with Environmental Science Associates (ESA)
- ESA conducted a series of workshops in 2021 to gather community input on the Climate Resiliency Program and the CAAP



# COMMISSION RECOMMENDATIONS

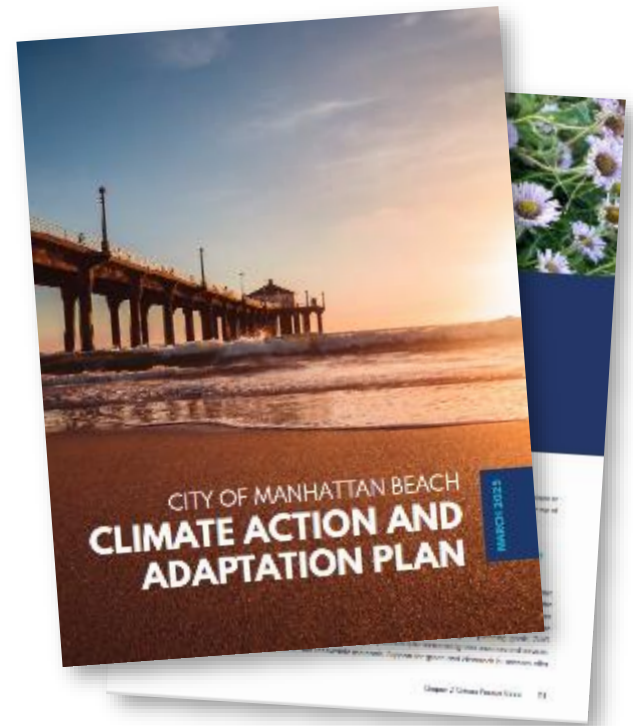
- Parking and Public Improvements Commission
  - January 23, 2025
- Planning Commission
  - February 26, 2025





# CLIMATE ACTION AND ADAPTATION PLAN

- Mitigation and adaptation
- Sustainable, resilient future
- Positions the City as a leader
- Commits the City to:
  - Reduce emissions
  - Enhance resilience
  - Improve quality of life



# CAAP OBJECTIVES

1. Reduce the City's community-wide GHG emissions
2. Increase the resilience of the community to the anticipated impacts of climate change



# CAAP BENEFITS

## Co-Benefits

- Improved air quality
- Cost savings
- Business opportunities
- Public health
- Environmental stewardship



# GHG EMISSIONS

Reduce GHG emissions from City operations and community-wide

Reduction targets aligned with statewide goals

**2030**

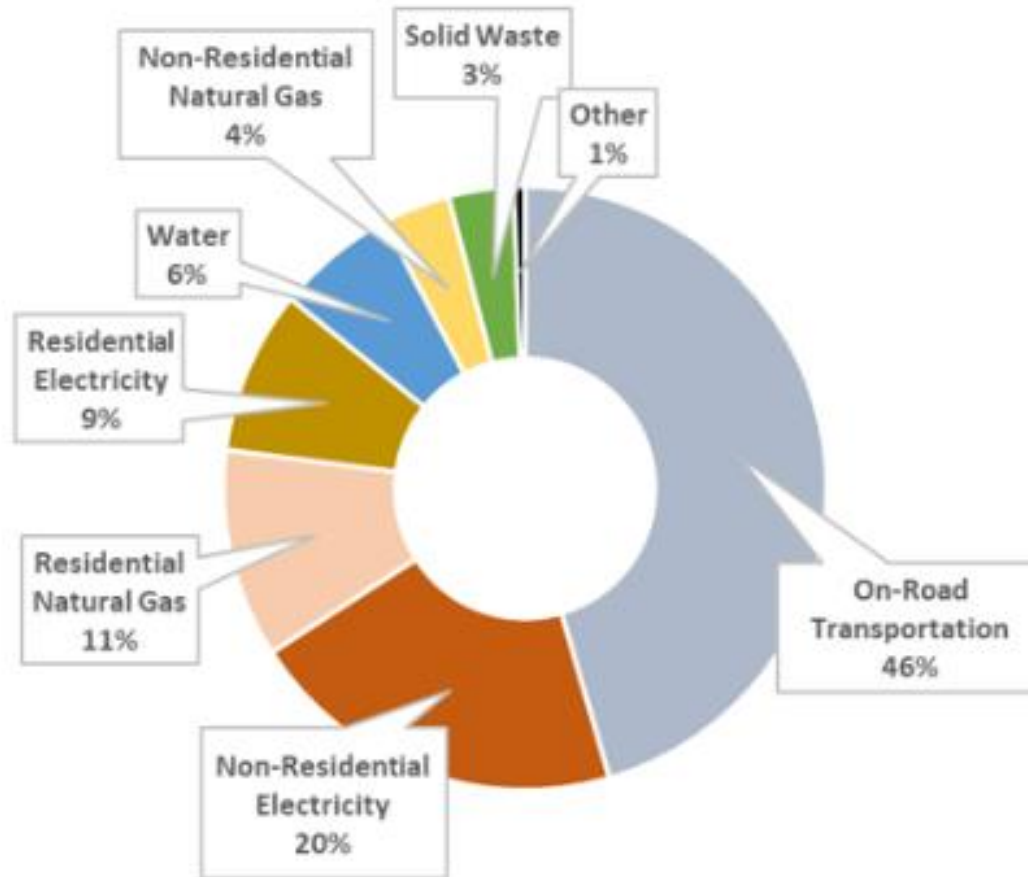
**40% reduction below 1990 levels**

**2045**

**85% reduction below 1990 levels**



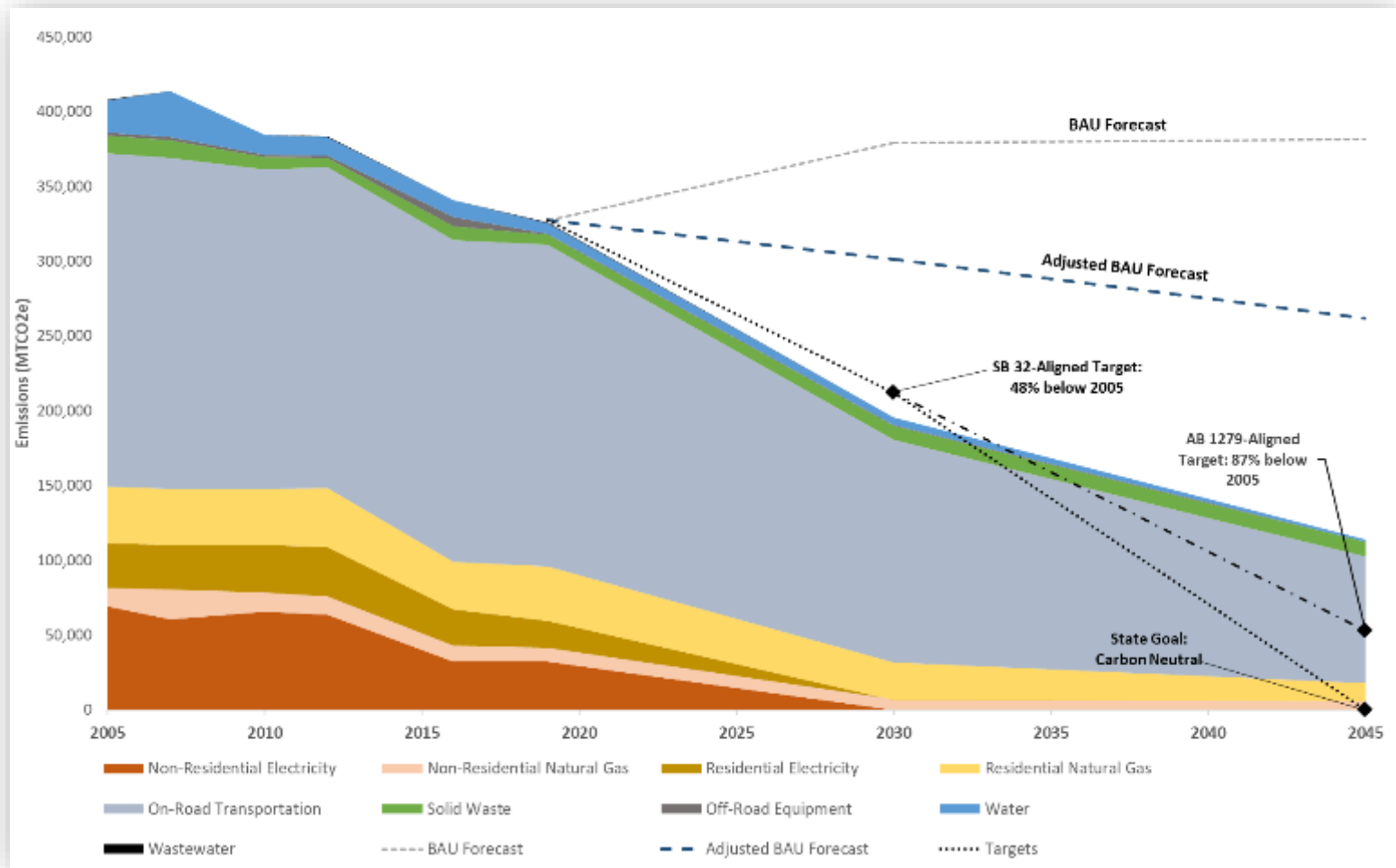
# GHG EMISSIONS



CAAP Figure 3-1: 2005 Community GHG Emissions by Sector



# GHG EMISSIONS



CAAP Figure 5-1: Community GHG Emissions Forecasts with CAP Implementation (MTCO<sub>2</sub>e)



# CAAP STRATEGIES



Clean Energy Systems

Green Building Practices

Zero-Emission Vehicles

Sustainable Transportation

Water Conservation

Waste Reduction

Nature-Based Solutions



# COMMUNITY INPUT

## Engagement

- Public workshops
- Stakeholder meetings
- Surveys

## Priorities

- Renewable energy
- Sustainable transportation
- Green building practices





# COMMUNITY CONCERNS

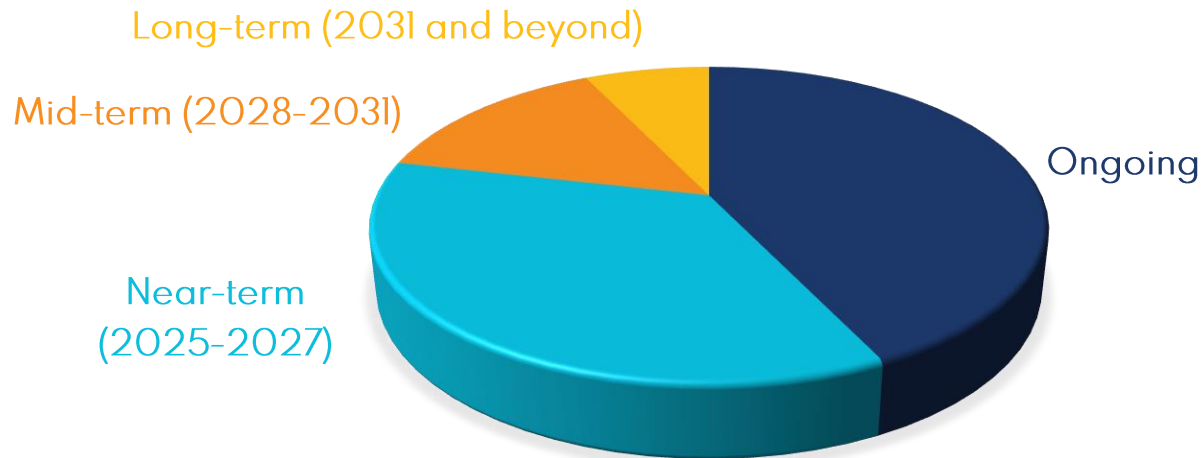
- Drought
- Air and water quality
- Extreme storms
- Sea level rise
- Infrastructure impacts
- Property values
- Public health
- Quality of life



# IMPLEMENTATION AND MONITORING

- Implementation schedule
- Funding sources and partnerships
- Monitoring and reporting

## Implementation Measures Timeframe



# IMPLEMENTATION AND MONITORING

MEASURE	2030 ANNUAL GHG REDUCTIONS (MTCO <sub>2e</sub> ) <sup>a</sup>	IMPLEMENTATION TIMEFRAME	RESPONSIBLE DEPARTMENT	2030 OBJECTIVES
<b>Clean Energy Systems (E)</b>				
E1: Procure Zero-Carbon Electricity	36,767	Ongoing	Community Development, Public Works	<p><b>Community:</b> Maintain at least 95% participation in CPA's 100% Green Power tier through 2030.</p> <p><b>Municipal Ops:</b> Maintain 100% participation in CPA's 100% Green Power tier through 2030.</p>
E2: Increase Local Solar Energy Generation	Not quantified	Ongoing	Community Development, Public Works	<p><b>Community:</b> Double the community's total solar PV system capacity (based on 2019 levels). This includes residential and non-residential solar PV systems.</p> <p><b>Municipal Ops:</b> Double the City's total solar PV system capacity (based on 2019 levels). This includes all municipal properties within the City.</p>
<b>Zero-Emission Vehicles (V)</b>				
V1: Expand EV Charging Infrastructure	49,523	Long-term	Public Works	Consistent with the Statewide goal, increase the amount of publicly accessible EV charging stations to 600 by 2030; Achieve community-wide 25% EV fleet penetration by 2030 (13% as of 2022).



# EQUITY

- Targeted actions to support vulnerable populations
- Ensures climate action benefits are distributed equitably
- Improving public health outcomes
- Enhancing access to sustainable transportation



# ENVIRONMENTAL REVIEW

## Class 8 categorical exemption

- The CAAP outlines policies for environmental protection without authorizing specific projects
- Any subsequent projects resulting from the CAAP will undergo separate CEQA reviews to ensure compliance and mitigation of potential environmental impacts



# STAFF RECOMMENDATIONS

Staff recommends that the City Council:

1. Adopt a resolution adopting the Climate Action and Adaptation Plan and;
2. Determine that the adoption of the Climate Action and Adaptation Plan is exempt from the California Environmental Quality Act.





# QUESTIONS?

DISCUSSION AND PROVIDE RECOMMENDATION TO THE CITY COUNCIL ON THE PROPOSED CLIMATE ACTION AND ADAPTATION PLAN  
JANUARY 23, 2025



\*Note: This PowerPoint presentation is intended solely as a visual aid to an oral staff presentation of an agenda report topic. In the event of any differences between the presentation and the agenda report, the information in the agenda report prevails.\*