



Climate Action Plan Planning Commission Meeting

October 16, 2025

City of Manteca Planning Commission Public Hearing

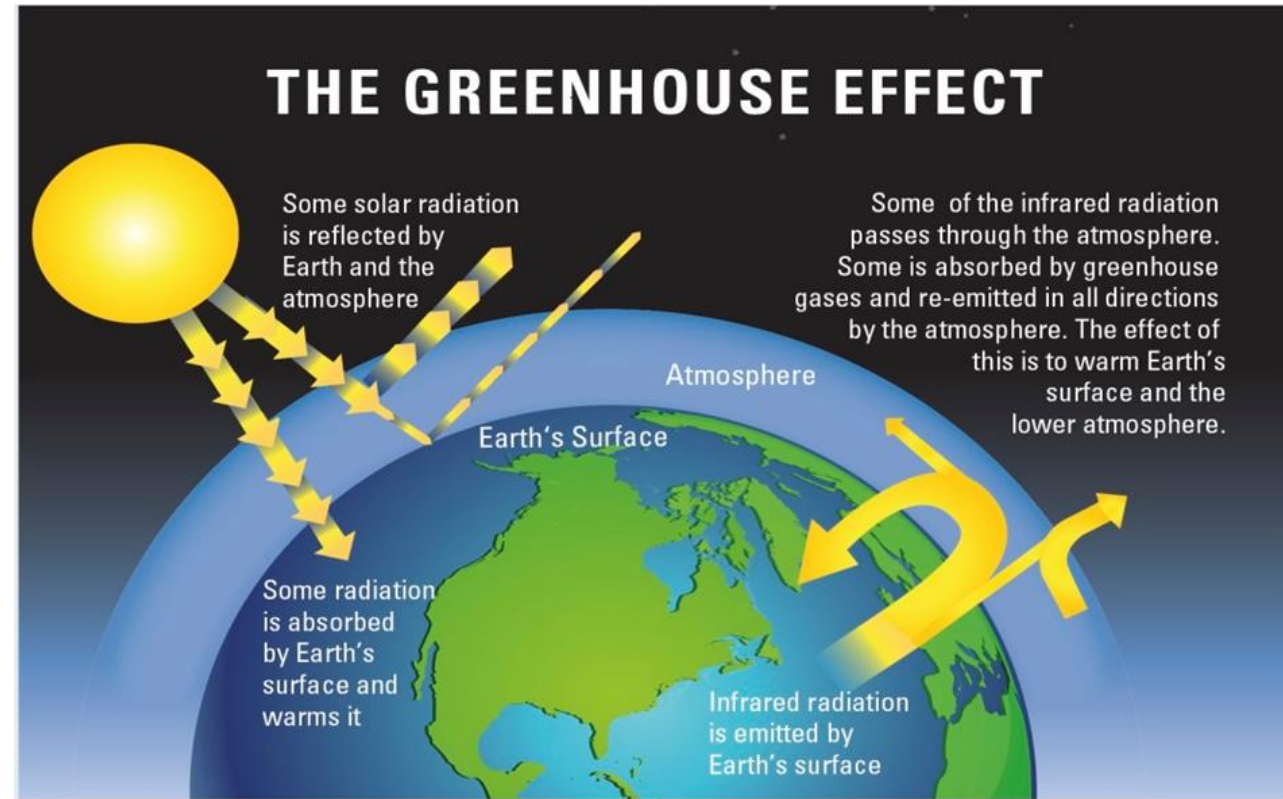
Overview

- Basics of Greenhouse Gases
- Purpose of the CAP Update
- CAP Chapter Layout
- Reduction Measures
- Format of the GHG Reduction Measures
- Actions within the CAP
- Benefits of the CAP
- Summary of the CAP Results
- CEQA Review
- CAP Implementation
- Next Steps
- Recommended Actions

Basics of Greenhouse Gases

Greenhouse Gases (GHGs)

- Includes gases such as CO_2 and CH_4 that cause a “greenhouse effect” in Earth’s atmosphere.
- The increases of GHGs in the atmosphere can be thought of as thickening the glass walls of the Earth’s greenhouse, causing more heat to be trapped within the Earth’s system.
- This leads to warmer global average temperatures, which in turn contributes to rising sea levels, more droughts, and more extreme weather conditions due to the added energy in the global climate systems.



Purpose of the CAP Update

Key Components of the Climate Action Plan

- Multiple State regulations require reductions in GHG emissions.
 - Reduction Targets set by Assembly Bill 32, Senate Bill 32, and Executive Order B-55-18
- To achieve State Goals, cities and counties throughout California are preparing “Climate Action Plans” (CAPs) to guide GHG emission reductions and meet State regulations.
- The GHG emissions forecasts are based on buildout of the City’s General Plan, estimated growth rates, and existing GHG emissions.
- Achieve the set GHG reduction targets.
 - Reduce emissions below 6.0 MTCO₂e/per person by 2030.
 - Work towards achieving carbon neutrality by 2045.
- Builds on the 2013 CAP’s Waste-to-Fuel program for municipal garbage trucks, extending organics-to-fuel initiatives to lower fleet-related emissions.

CAP Chapter Layout

1. **Introduction:** Purpose and scope of the CAP as well as local and regional planning.
2. **Executive Summary:** Comprehensive executive summary of the data within the CAP.
3. **Climate Change Science and Background:** Principles of climate change and regulatory framework.
4. **Regional Impacts of Climate Change:** Specific regional impacts of climate change.
5. **Emissions and Quantification:** Quantification of existing and future GHG emissions.
 - ClearPath (an online software program) was used to determine Manteca's current GHG emissions and create forecasts for future years.
 - Compares against the State and City specific emissions targets.
6. **Emissions Reduction Measures:** The GHG reduction strategies to be implemented within the City.
 - Strategies will reduce GHG emissions associated with municipal operations, existing development and future development)
7. **Implementation:** A guide to implementation of the CAP and potential funding sources.

Reduction Measures

CAP Goals and Measures	
GOALS	MEASURES
Transportation (TR)	
Promote Alternative Transportation	<u>TR.3</u> : Increase Use of Alternative Transportation <u>TR.4</u> : Promote Alternative Transportation Through Updated Parking Standards
Implement Electric Vehicle Infrastructure	<u>TR.5</u> : Optimize City Fleet <u>TR.6</u> : Support Electric Vehicle Adoption, Charging Infrastructure, and Alternative Fuels.
Work to Increase Active Mobility	<u>TR.1</u> : Bicycle and Pedestrian Infrastructure Improvement <u>TR.9</u> : Safe Routes to School
Reduce Single Occupant Vehicle Use and Emissions	<u>TR.2</u> : Congestion Management <u>TR.7</u> : Establish a Transportation Management Association <u>TR.8</u> : Mobile and Area Source Emissions Reductions
Land Use (LU)	
Encourage Sustainable Growth	<u>LU.1</u> : Encourage Adaptive Reuse <u>LU.2</u> : Comply with State Affordable Housing Requirements <u>LU.3</u> : Sustainable Growth of New Development <u>LU.4</u> : Urban Tree Management Plan
Energy and Building Design (EG)	
Expand Renewable Energy	<u>EG.1</u> : Renewable Energy Production Plan <u>EG.3</u> : Renewable Energy Requirement for Private Development <u>EG.4</u> : Participate in Energy Programs
Increase Lighting Efficiency	<u>EG.8</u> : Improve Lighting Efficiency
Improve Building Design	<u>EG.2</u> : Resource Efficiency Improvements for City Buildings <u>EG.5</u> : Enforce CALGreen <u>EG.6</u> : Energy Efficient Design <u>EG.7</u> : Efficient Design of City Structures
Water Conservation (WC)	
Increase Water Efficiency	<u>WC.1</u> : Community Wide Water Use Efficiency <u>WC.2</u> : Water Efficient Landscape <u>WC.3</u> : Sustainable Water Service
Solid Waste Management (SW)	
Increased Waste Diversion	<u>SW.1</u> : Expand Municipal Recycling Program <u>SW.2</u> : Expand Yard Waste and Other Organics Composting

Format of the GHG Reduction Measures

- **Goals:** Provide the overarching objectives of the measures within the CAP.
- **Measures:** Provide specific and quantifiable actions to take, which would result in the reduction of GHG emissions within the City of Manteca.
- **Additional Information:** Each measure shows the co-benefits, responsible party(s), and approximate cost of each measure.

Actions within the CAP

Measure's Actions Target Certain Sectors:

- Transportation, Land Use, Energy and Building Design, Water Conservation, and Solid Waste.
- Some reduction measure's actions are targeted at municipal (City) operations, some target new or existing development.

Example Actions within Measures:

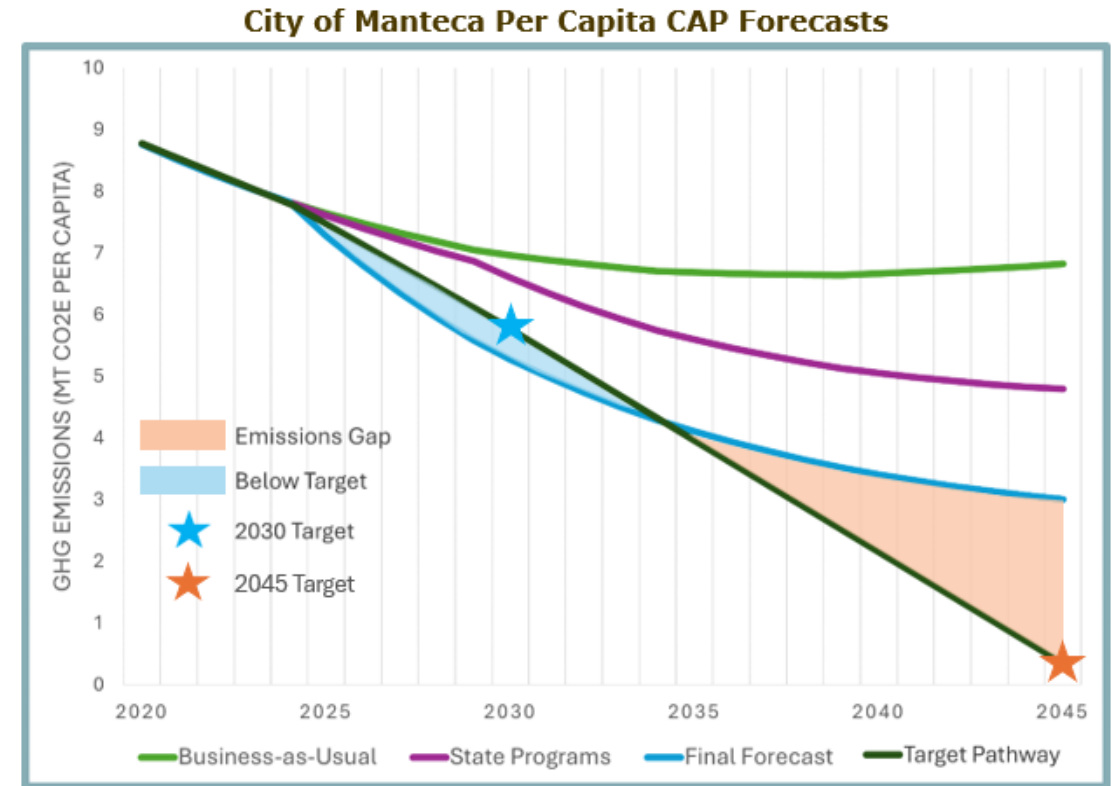
- TR.5.4: By 2030 require that 60 percent of new vehicles purchased for the City fleet be zero emissions vehicles, and all vehicles by 2040 purchased for the City fleet shall be zero emissions vehicles.
- TR.6.3: Establish targets for the number of EV charging stations installed at public parking areas by the year 2026.
- EG.6.3: Incentivize the creation of community microgrids and networking local energy sources to support energy resiliency.
- WC.2.3: Update Municipal Code to allow for grey water capture and reuse within private developments while focusing on closed water systems.
- SW.2.2: The City should promote yard waste programs and expand organics collections.

Benefits of the CAP

- Provides guidelines for sustainable development;
- Streamlines environmental review of future development;
- Ensures that the City maintain regulatory control over the environmental review process;
- Reduces municipal government operating costs, thereby saving taxpayer money; and
- Improves local air quality, community resilience to the effects of climate change, and overall quality of life.

Summary of CAP Results

- The CAP achieves the 2030 emissions target, reducing per capita emissions to 5.3 MTCO₂e, below the target of 6 MTCO₂e.
- By 2045, the CAP reduces per capita emissions to 3.01 MTCO₂e but falls short of carbon neutrality.
- Key reduction areas include transportation (76% reduction in City fleet emissions by 2045), energy efficiency and renewable energy (64.2% reduction in building energy demand by 2045), and solid waste (up to 30.8% reduction in emissions by 2045).



Source: Clearpath, 2024.



CEQA Review

The CAP Initial Study was released for a 30-day public period, which commenced July 31st, 2025, and ended September 2nd, 2025.

Within the 30-day period the City did not receive any comments on the CAP Initial Study.

Once the CAP is adopted, the City's CAP would serve as a Qualified GHG Reduction Strategy under Section 15183.5 of the CEQA Guidelines. This would simplify development review for new projects that are consistent with the CAP.



CAP Implementation

Sustainability Checklist

- The sustainability checklist for the CAP includes measures to reduce GHG emissions in sectors like transportation, energy, waste, and water, while promoting renewable energy, alternative transportation, and efficient waste management for new development.
- The CAP aims to achieve the 2030 emissions target and progress toward 2045 carbon neutrality, with reviews every five years to adapt strategies and incorporate new technologies.



Next Steps

- Planning Commission Presentation and Recommendation
- City Council Presentation and Adoption
- Conduct CAP updates at least every five years to integrate emerging technologies (e-vehicles, autonomous freight, more efficient solar panels), refine strategies, and close the remaining 2045 neutrality gap.



Acknowledgement

- **Climate Action Plan Advisory Committee:**

Leonard Smith, Judith Blumhorst, David Atherton, Anita Scott, Taylor Hasal

- **Alternate Committee Members:**

Mary Kenefick, Phyllis McDonald



Recommended Actions

1. Adopt a resolution recommending the City Council make the necessary findings and adopt a Tiered Initial Study and Negative Declaration (SCH #2025071350) prepared for the Project and adopt the 2025 Climate Action Plan Update.





Thank you

October 16, 2025
City of Manteca Planning Commission Public Hearing