



# City of White Plains, NY

## Local Government Operations Climate Action Plan June 2024



# Background

- The City of White Plains has demonstrated compelling leadership in implementing climate actions
- The Government Operations Climate Action Plan expands on this commitment and supports many of the initiatives articulated in the One White Plains Comprehensive Plan.
- **greenWP15**: Produce a Climate Action Plan (CAP) that identifies future greenhouse gas emissions and decarbonization goals.



# City of White Plains Draft Local Government Operations Climate Action Plan (GOCAP)

- White Plains GOCAP Vision
- Overview of Local Government Operations GHG inventory
- GOCAP Goal
- Proposed Strategies: Mitigation and Adaptation
- Projected Emissions with Reductions Applied
- Acknowledgements



# White Plains GOCAP Vision Statement

## VISION STATEMENT

The City of White Plains mitigates negative climate impacts resulting from municipal operations, and promotes adaptation to the changing climate, while advancing equity and economic development goals.



# Climate Change and Greenhouse Gas Emissions

As greenhouse gas emissions blanket the Earth, they trap the sun's heat.

This leads to global warming and climate change.

Reducing greenhouse gas emissions can help prevent global warming and climate change.

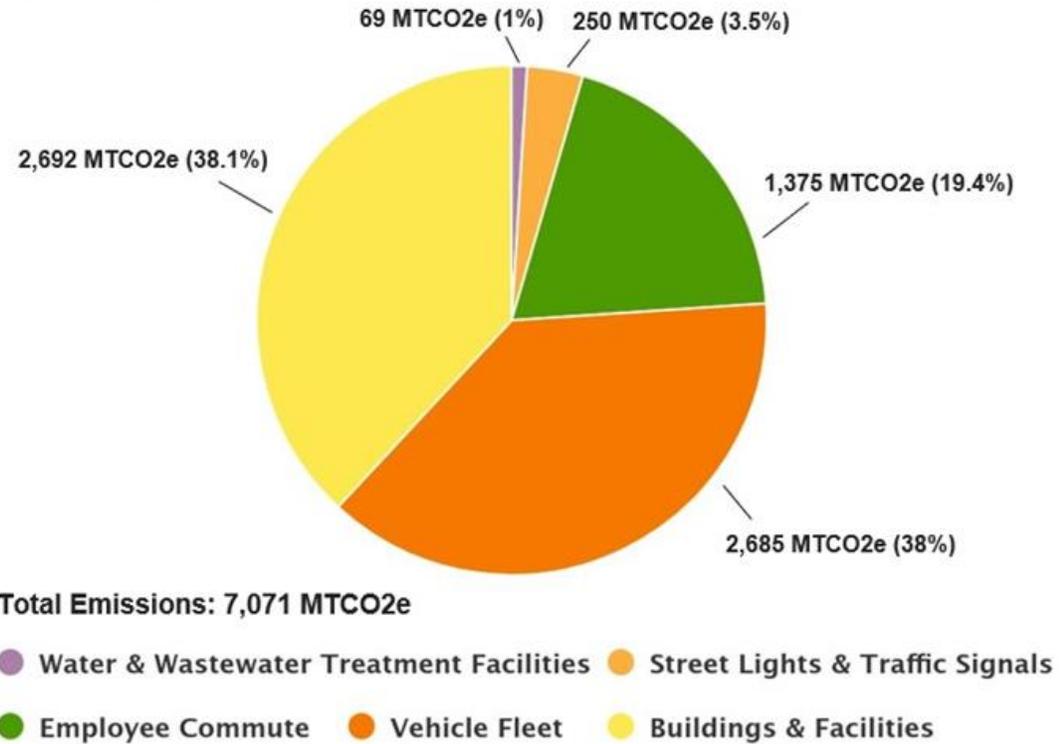
# Overview of Local Government Operations Greenhouse Gas Inventory (2019)

Two largest sectors responsible for emissions:

Building and Facilities

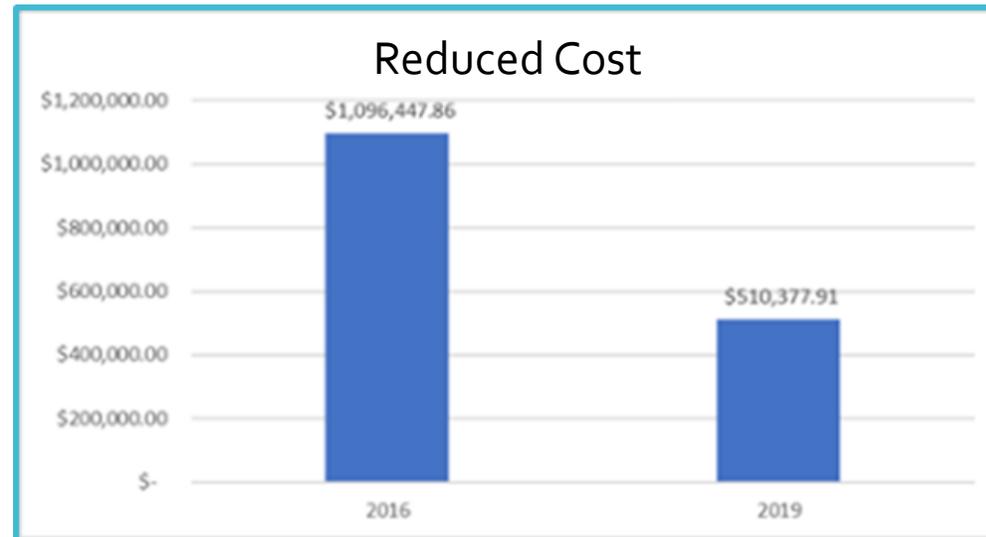
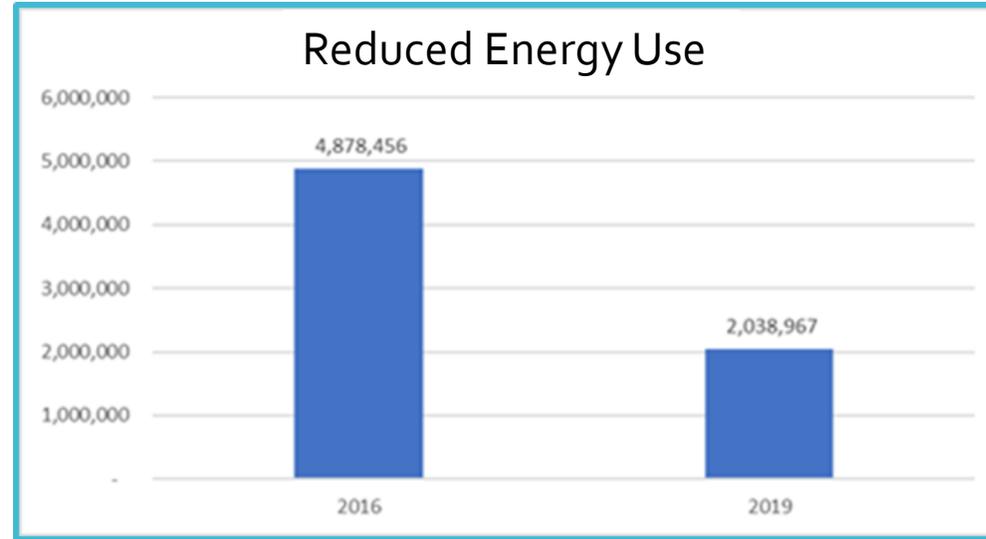
Vehicle Fleet

### CO2e By Category



# Actions prior to 2019

Ex: LED Street Lights



## GOCAP Goals

- The City of White Plains GOCAP goals align with the NYS reduction goals.
- Following guidance from the 2019 NYS Climate Leadership and Community Protection Act (CLCPA), the City's goals are to reduce GHG emissions by:
  - **33% by 2030**
  - **78% by 2050**

# 2030 GHG Emissions Reduction Targets

1

Greenhouse gas emissions reduction goal:  
33% below 2019 levels by 2030

2

EV adoption target: 40% EV Municipal Fleet

3

Buildings electrification target: 30% building HVAC  
electrification

**2050**  
GHG  
Emissions  
Reduction  
Targets

1

Greenhouse gas emissions reduction goal:  
78% below 2019 levels by 2050

2

EV adoption target: 75% EV Municipal Fleet

3

Buildings electrification target: 50%  
building HVAC electrification

4

Employee commute target – 50% increase in EV  
adoption or alternative commute

# Mitigation and Adaptation

## Mitigation

preventing or reducing the emission of greenhouse gases (GHG) into the atmosphere to make the impacts of climate change less severe



## Adaptation

the process of adjusting to the current and future effects of climate change



# Mitigation

## Proposed strategies

- A. Further Enhance the **Energy Efficiency** of Municipal Buildings (greenWP16)
  - 1. Increase buildings enrolled in **demand response**
  - 2. Pursue a Comprehensive **Building Electrification** pilot program for existing buildings (greenWP22).
  - 3. Install **LED lighting** in parking garages
- B. **Electrify the Vehicle Fleet**
  - 1. **Purchase EVs** as City vehicles reach the end of their useful life
  - 2. Adopt a **green fleet policy**
  - 3. Continue to invest in **electric vehicle charging station** infrastructure (greenWP19)
- C. Evaluate opportunities to expand municipal **renewable energy** projects (greenWP10)
  - 1. Explore floating solar
  - 2. Explore solar panels on municipal buildings

# Mitigation

Proposed strategies  
(continued)

- D. Increase **recycling** education and efforts
  - 1. Recycling program/educate staff
  - 2. Purchase recycled paper policy
- E. Reduce GHG emissions from **employee commute**
  - 1. Encourage/educate employees about switching to personal electric vehicles from gasoline/diesel vehicles and/or using **alternative forms of transportation** to commute to and from work (public transportation, cycling, etc.)
  - 2. Maintain City infrastructure to **support EV charging** and alternative forms of transportation (connectWP 8 and 17)

# Adaptation

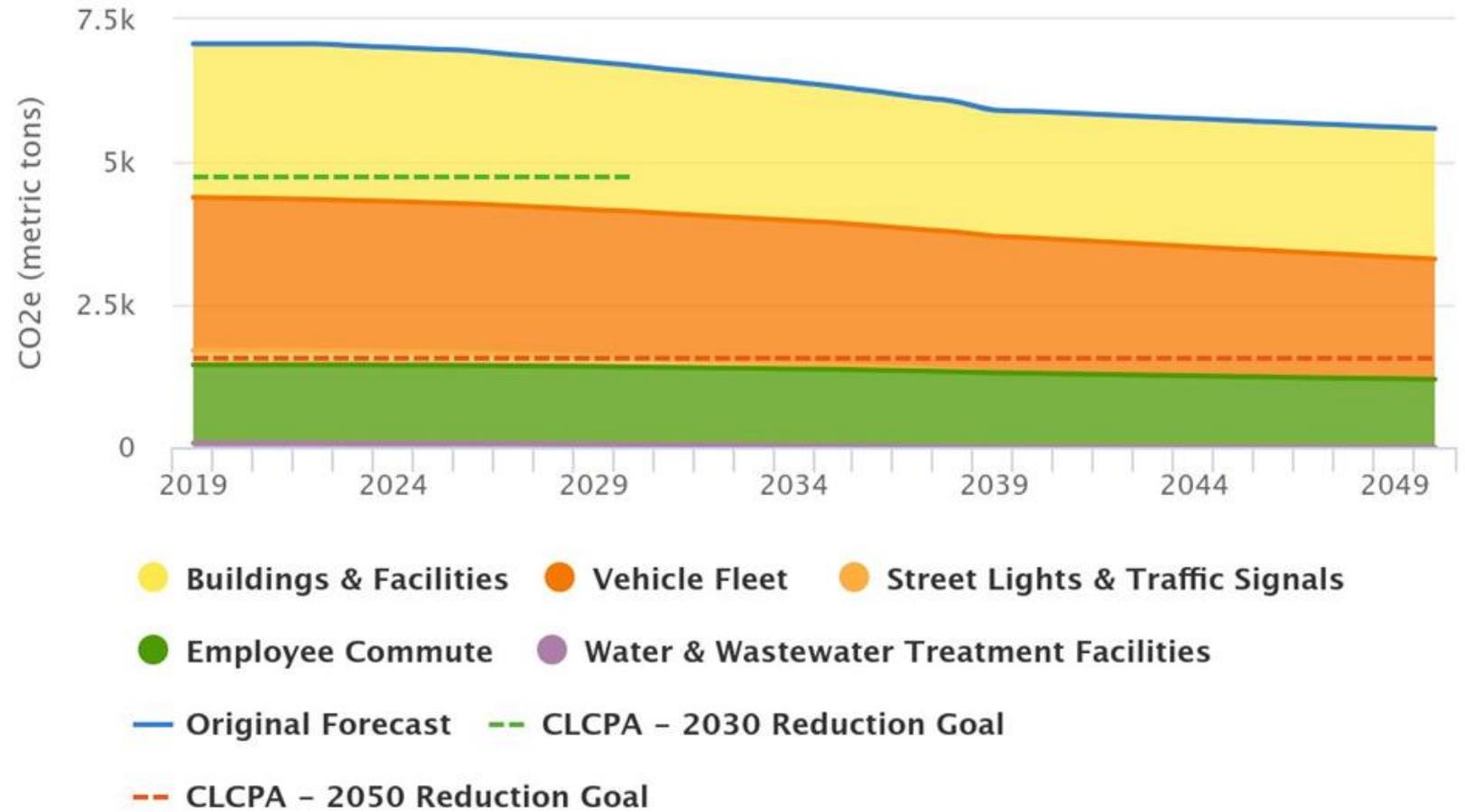
## Proposed strategies

- Retrofit existing buildings to be more adaptive to impacts of climate change (greenWP25)
  - Explore funding for retrofits such as shading, ventilation, green or white roofs, insulation
- Create an open space and natural resources inventory (greenWP1)
- Assess opportunities to improve natural open spaces (greenWP6)
- Address urban heat by creating a greener White Plains (greenWP24)
- Update Heating and Cooling Center plans and inform the public

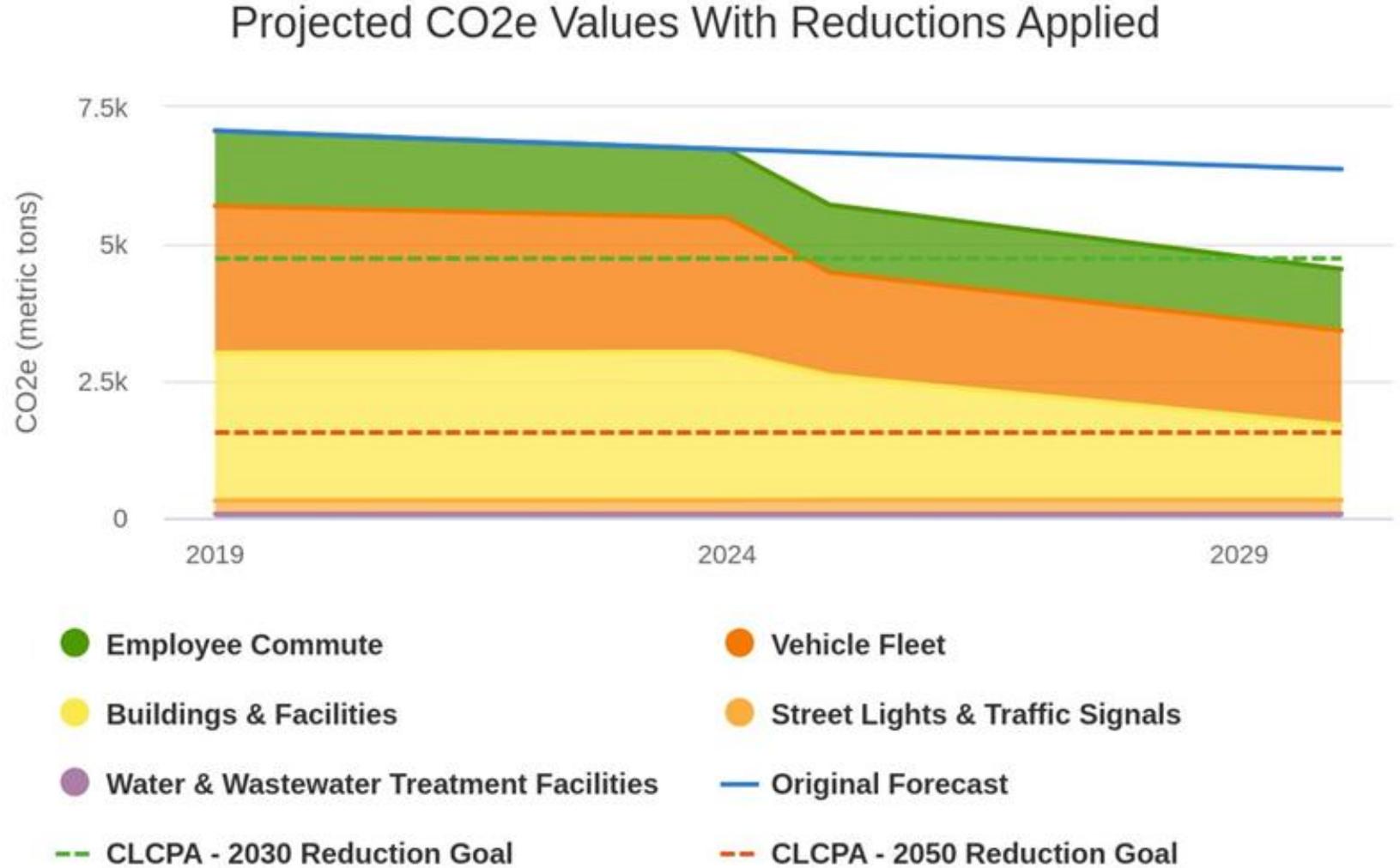


# Business as Usual Projection

## Projected CO2e Values With Reductions Applied

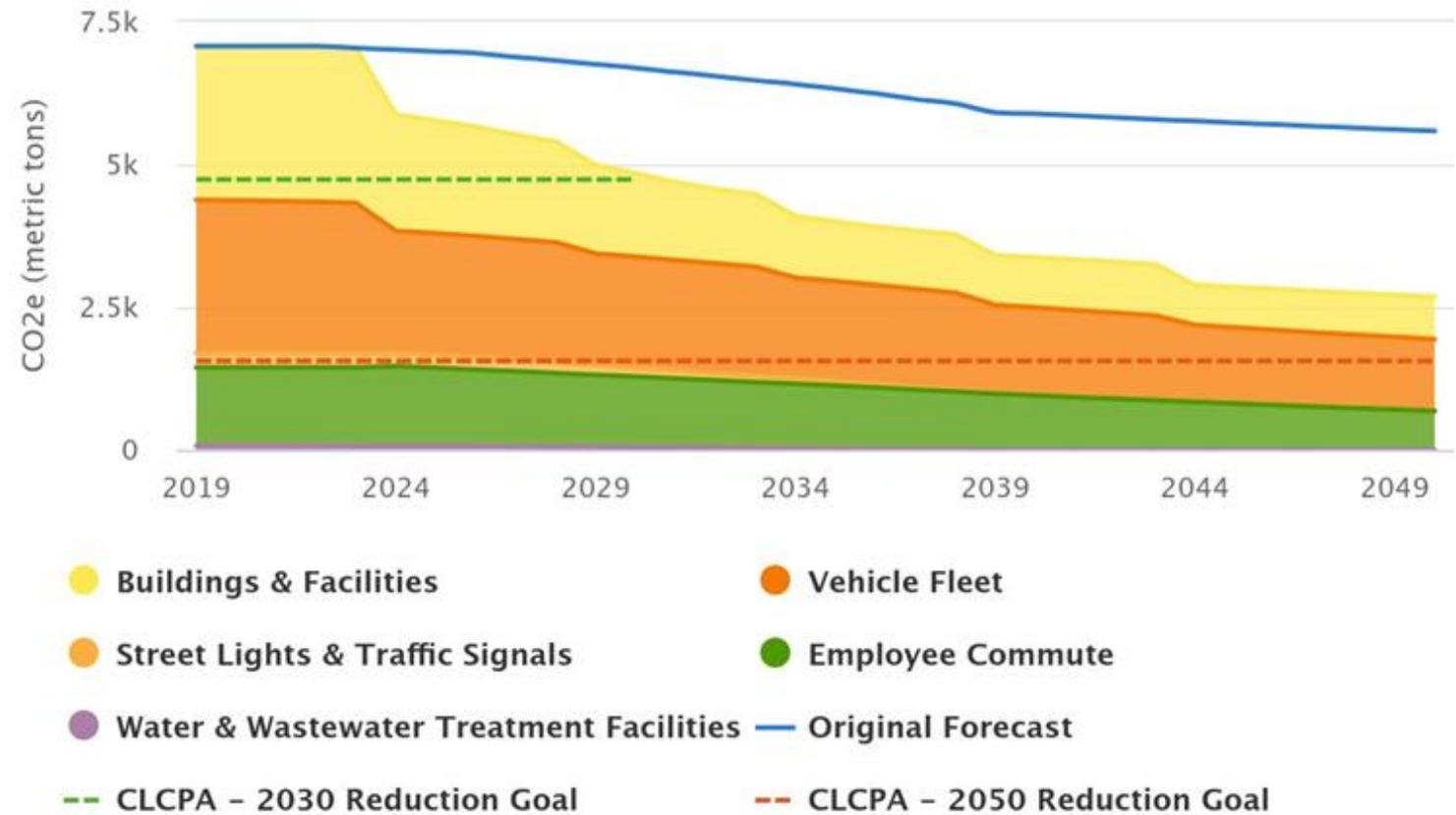


# 2030 Projection



# 2050 Projection

## Projected CO2e Values With Reductions Applied



# Questions



# Acknowledgements

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