



# CLIMATE ACTION & RESILIENCE PLAN IMPLEMENTATION UPDATE

**City of Evanston Staff**

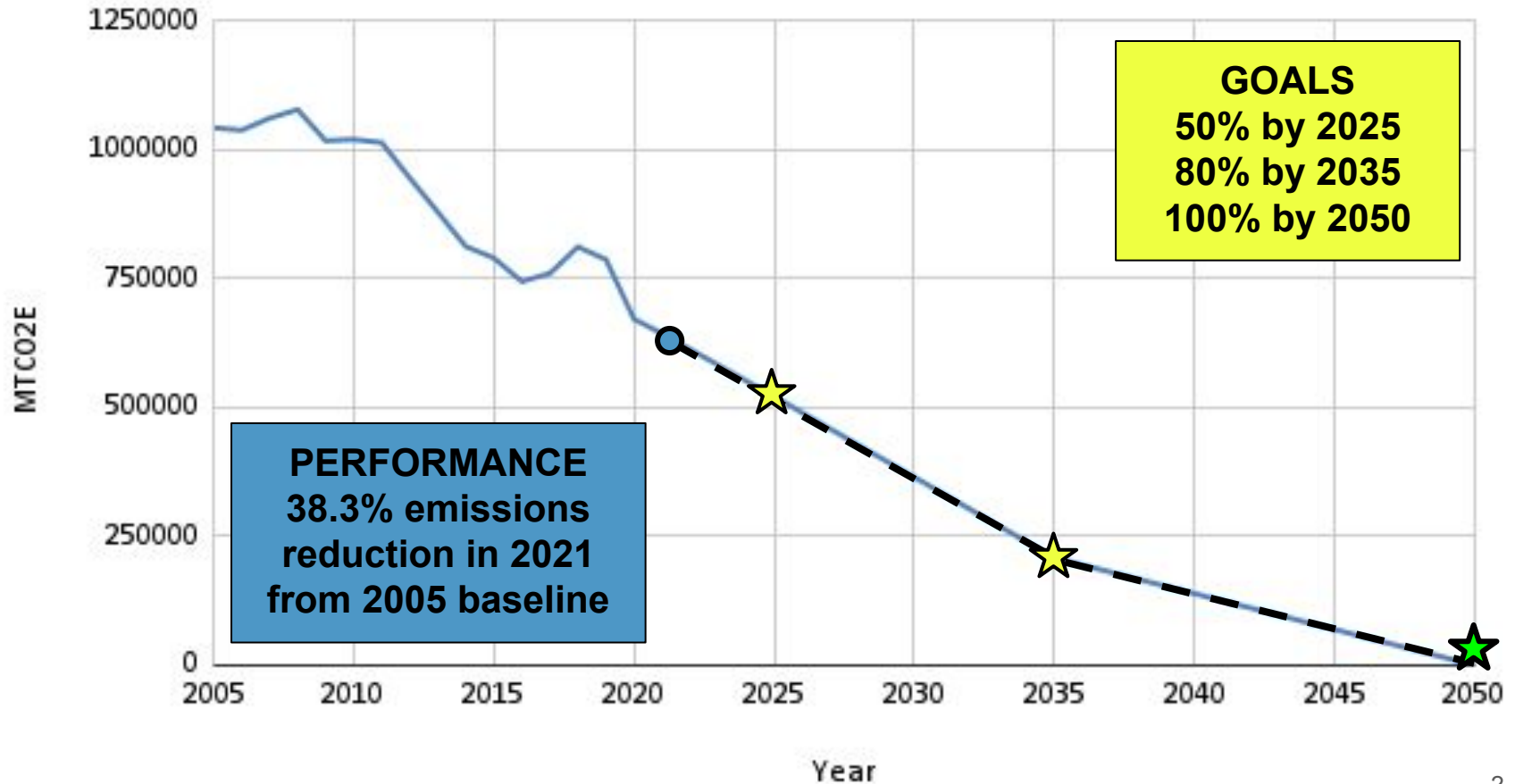
**Evanston Environment Board**

**CARP Implementation Task Force**

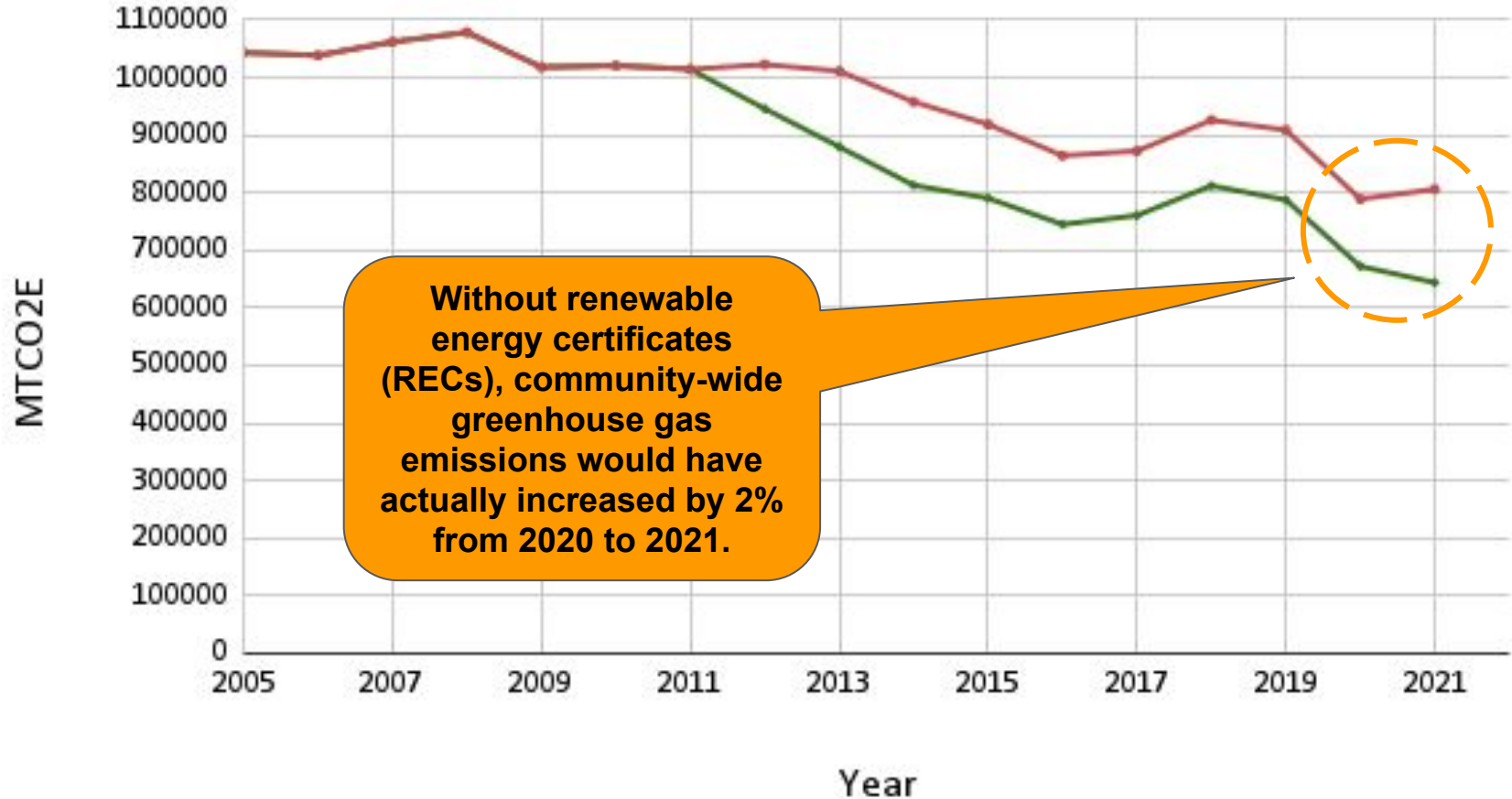
**Cara Pratt, Sustainability & Resilience Coordinator**

**October 24th, 2022**

# Emissions Progress 2005-2021

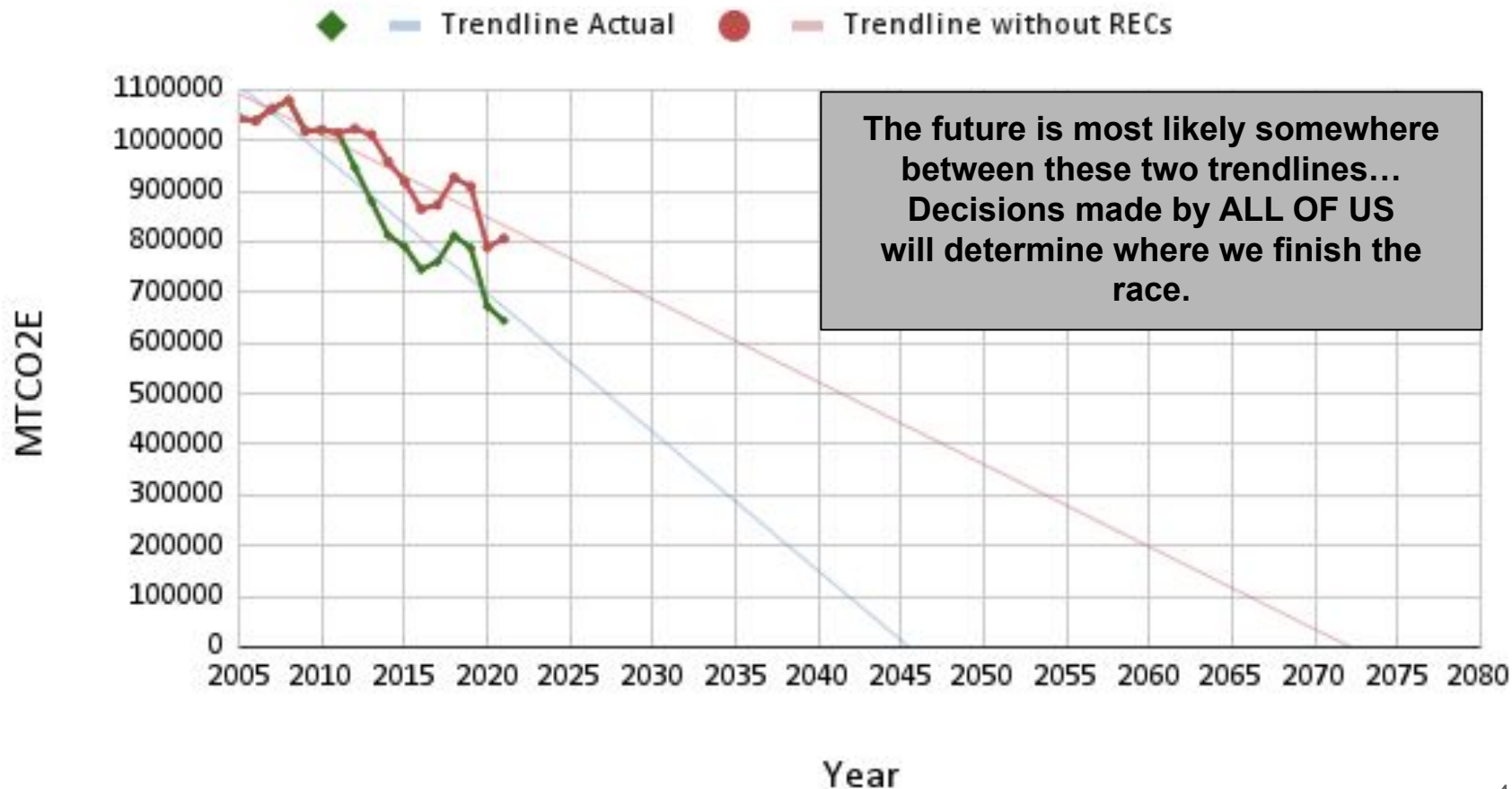


# Emissions Progress **ACTUAL** and **WITHOUT RECs**



**Without renewable energy certificates (RECs), community-wide greenhouse gas emissions would have actually increased by 2% from 2020 to 2021.**

# Future Forecasting



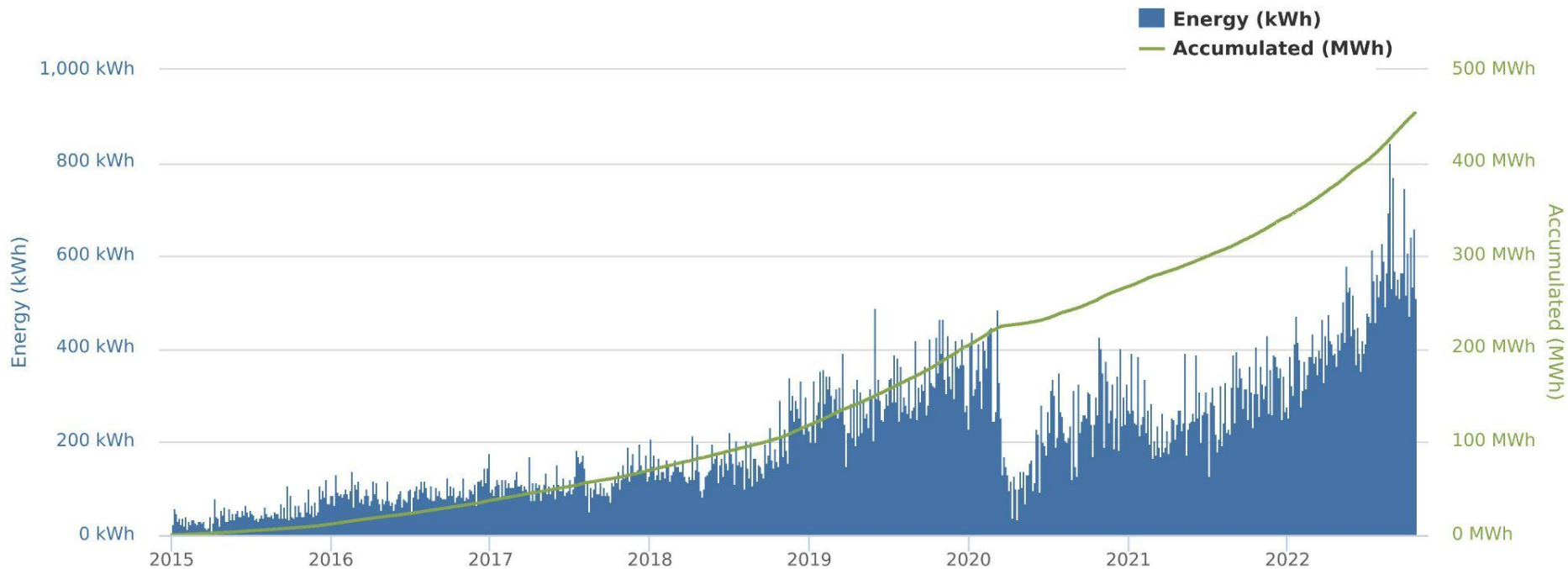
It is unlikely that the rate of progress can continue with the current allocation of resources.

- The City and community have, for the most part, invested in climate actions that are the most cost effective in the past several years.
- The deep decarbonization needed to sustain progress is exponentially more expensive than the early interventions, and radically different resource allocation is required.
- The impending scarcity of RECs and subsequent price increases will require that the City seek alternatives to RECs, the biggest contributor to emissions reductions within the City's control to date.

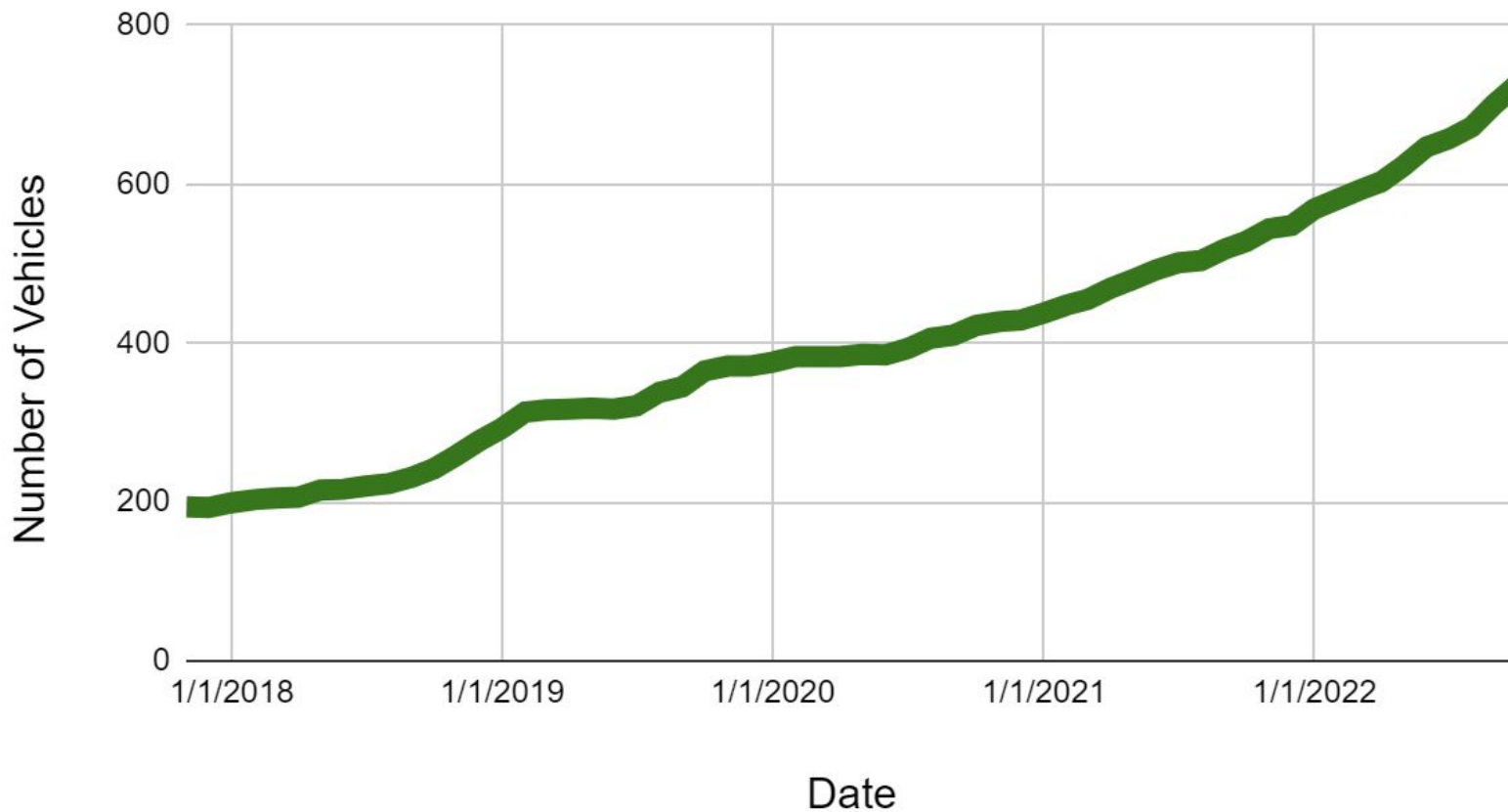
**The world is changing rapidly...**

**Are we *barriers* or *catalysts* ?**

# ChargePoint EV Charger Electricity Usage Over Time



# Electric Vehicles Registered to City of Evanston Addresses





# 2022 CARP ACTION AGENDA

## COMPLETE

- Adopted Climate Emergency Resolution
- Allocated ARPA funds to support the One Stop Shop Affordable Housing Retrofit Program
- Adopted Code Updates including Bird-Friendly and Green Building Ordinances
- Approved Commercial Franchise Agreement
- Provided textile recycling option for residential units.
- Allocated ARPA funds to support phased lead pipe replacement

## ONGOING

- Municipal Fleet Rightsizing and Electrification Plan
- Accessible Solar Program
- Developing ordinance for reducing single-use bags.
- Stormwater Master Planning process
- Environmental Equity Investigation planning
- CARP Implementation Dashboard planning

## TO DO

- Issue Request for Proposal for Solar Power Purchase Agreement at Robert Crown Community Center
- Update tree preservation ordinance to expand protection of private trees

# 2023 DRAFT CARP ACTION AGENDA

## Municipal Operations

Implement Recommendations of the Municipal Fleet Rightsizing & Electrification Study

Order electric fleet vehicles\*

Order electric vehicle charging infrastructure for municipal fleet\*

Continue converting gas powered hand tools to electric and battery powered\*

Facilitate Solar Installation at municipal buildings\*

Develop Procurement Policy for embodied carbon and circularity

Conduct Assessment and create plan to increase efficiency and performance of waste collection stations in municipal buildings

Continue to reduce chloride use in municipal snow operations\*

Continue streetlight LED conversion\*

## Buildings Efficiency

Adopt the Illinois Stretch Code

Begin citywide outreach efforts on Building Performance Standards\*

Begin citywide outreach efforts on banning new natural gas connections\*

\*Contingent upon the passage of the FY23 Budget\*

Scheduled for Q1

# 2023 DRAFT CARP ACTION AGENDA *cont.*

## **Renewable Energy**

Implement Accessible Solar Program

Evaluate Community Choice Aggregation and Community Solar Contracts

## **Transportation & Mobility**

Install public electric vehicle charging stations\*

Implement Microbility Electric Scooter Pilot

Expand bike lanes and walkability\*

## **Zero Waste**

**Implement new bag tax and educate residents about upcoming ban\***

Analyze franchise agreements for possible restructure

Conduct waste characterization study\*

Conduct internal cart tagging pilot

Complete waste circularity strategy guidance

\*Contingent upon  
the passage of the  
FY23 Budget\*

**Scheduled for Q1**

# 2023 DRAFT CARP ACTION AGENDA *cont.*

## **Urban Canopy & Green Spaces**

- Implement tree preservation measures\*
- Develop Parks & Green Space Strategic Plan
- Tree Inventory\*
- Increase number of trees planted compared to 2022\*

## **Green Infrastructure**

- Implement Stormwater Master Plan recommendations\*

## **Health Impacts of Extreme Heat /Emergency Preparedness**

- Conduct Citizen Science campaign\*
- Conduct community outreach on emergency management

## **Resilience Regulations/ Vulnerable Populations**

- Implement One Stop Shop for Affordable Housing Retrofits
- Begin Environmental Justice Investigation\*
- Launch public Environmental Justice GIS Map
- Continue Lead Pipe Removal

\*Contingent upon the passage of the FY23 Budget\*

Scheduled for Q1

# 2023 DRAFT CARP ACTION AGENDA *cont.*

## Education, Outreach, Community Networks

Formalize Community Engagement Policy

## Implementation, Accountability, Partnerships

Hire Resilient Buildings Specialist and Community Outreach Specialist\*

Complete public-facing implementation dashboard\*

Renew Internship Program

Implement Sustainable Business Incentive Program\*

Assure that CARP is adequately addressed in the Comprehensive Plan

Develop additional revenue sources for Sustainability Fund

\*Contingent upon  
the passage of the  
FY23 Budget\*

Scheduled for Q1

# 3-YEAR IMPLEMENTATION PLAN

2023

- **Community Engagement on Waste Circularity Strategy Plan and Building Performance Standards**
- **Contemplate Green Bonds/Social Impact Bonds/Private Investment for large scale, long term financing**
- **5 Year Anniversary of CARP Reflection and Goal Refinement**
- **Establish One Stop Shop for Affordable Housing Retrofit Program**
- **Implement Municipal Operations Zero Emissions Strategy**

2024

- **Implement Strategic and Comprehensive Plans**
- **Implement Zero Waste Strategy Plan**
- **Develop Building Performance Standards Ordinance**
- **Contemplate Stormwater Utility/Fee**

2025

- **Continue to Implement Aforementioned Plans**
- **Implement Communitywide Electrification Campaign**
- **Robustly Invest in Resilient Infrastructure and Neighborhoods, prioritizing racial equity, tree canopy and green space, walkability, bikeability, and EV charging station deployment**

