



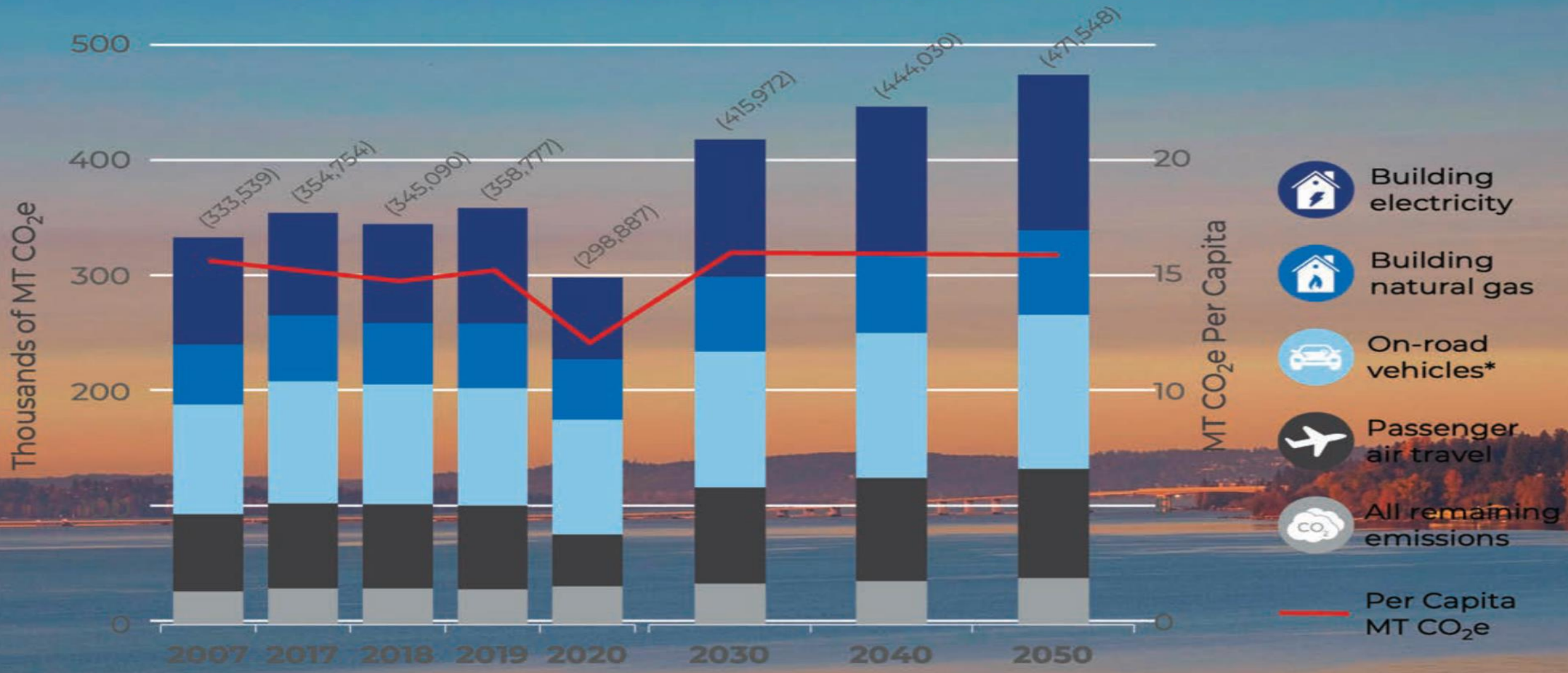
Mercer Island Climate Action Plan Recap

What is a Climate Action Plan?

- City of Mercer Island has completed its first-ever **Climate Action Plan** (CAP) to summarize and guide the key government, business, and household actions needed to reduce our community's greenhouse gas (GHG) emissions and to protect our environment from some aspects of climate change that are already underway
- The CAP serves to organize and prioritize a range of actions and policies that will help us achieve our climate goals, align with other City and regional plans, and build on the long history of stewardship the community has already demonstrated over the past few decades.



Historic and Forecasted GHG Emissions 2007-2050



Calculated emissions based on GHG inventory data

Expected emissions if no action (local, regional, state, federal) is taken

*On-road vehicles include buses, not passenger trains or light rail

CAP Process

Sept/Oct 2022:

- Conduct and analyze community-wide random sample survey

Nov 2022:

- Present survey results to Council (Nov 15 Mtg)
- Host Community Workshop (Nov 29)
- Refine GHG actions
- Perform Multi-Criteria Analysis (MCA)

Dec 2022:

- Develop Implementation Plan
- Begin CAP drafting

Jan 2023:

- Publish Draft CAP for 4-week review
- Present Draft CAP to City Council

Feb/Mar 2023:

- Public Hearing
- Discuss and approve edits to Draft CAP
- Implement revisions, finalize layout

Apr 4, 2023:

- Council adoption of Final CAP



Focus Areas

- Cross-Cutting & Municipal:
 - *Example:* Continue City efficiency programs; expand green fleet; GHG tracking
- Buildings & Energy
 - *Example:* Improving energy efficiency and reducing natural gas usage
- Transportation
 - *Example:* Creating clean, accessible transportation; adding more bike/ped options
- Consumption & Disposal
 - *Example:* Reducing waste; increasing recycling; shopping local
- Natural Systems
 - *Example:* Improve watering efficiency and preserve tree canopy
- Community Resilience
 - *Example:* Prepare for climate impacts and extreme weather events



Natural Spaces Goals

- City's tree replacement ratio for trees lost on public lands is at least 5:1
- 5% increase in tree canopy cover on private land
- 10% of public open space transitions from active restoration to monitoring & maintenance



Natural Spaces Focus Area

Strategy	KPI/Metric	2030 Target	2050 Target
<p>Increase urban tree canopy and green space</p>	<p>Increase in tree canopy acreage and replacement counts</p>	<p>City’s tree replacement ratio for trees lost on public lands is at least 5:1</p> <p>Retention of healthy, mature canopy in parks, rights-of-way, and open space areas continues to be prioritized</p> <p>5% increase in tree canopy cover on private land</p>	<p>All new City planting are climate-adapted species</p> <p>15% increase in tree canopy on private land</p>
<p>Foster healthy & resilient natural systems</p>	<p>Improvement in ecosystem function</p>	<p>10% of public open space transitions from active restoration to a monitoring and maintenance phase of management</p> <p>Landowners participate in active restoration efforts and/or habitat conservation on private land</p>	<p>50% of public open space transitions from active restoration to monitoring and maintenance phase of management</p>



Natural Spaces Targets

- Strategy 1: Increase urban tree canopy and green space
 - Tree planting incentive program
 - City-led tree planting
- Strategy 2: Foster healthy & resilient natural systems
 - Water-efficient landscape standards
 - Water conservation incentives
 - Green stormwater infrastructure
 - Greywater reuse education
 - Monitoring and maintenance baseline for all City open spaces
 - Open space restoration



Open Spaces Actions – Current Status

Action	Implementation	By EOY 2023	By EOY 2024
Monitoring and maintenance baseline for all City open spaces	Complete an assessment of all City open spaces to establish a baseline for monitoring and maintenance phase.	RFQ for assessment	Assessment completed by contractor
Open space restoration	Using the baseline data from the assessment, expand acreage of forested open space undergoing intensive restoration in order to reach a more stable monitoring and maintenance phase of management. Expand contiguous areas of open space in the monitoring and maintenance phase to improve habitat connectivity and limit boundary effects.	Levy-funded work in Pioneer Park in progress	

