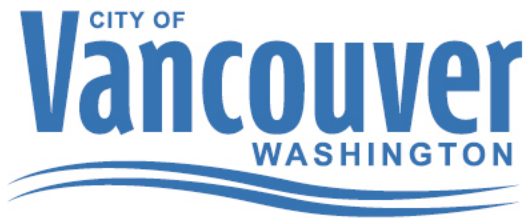




Vancouver's Climate Action Plan

City of Vancouver Planning Commission

July 12, 2022



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Climate Action Plan



**Climate Action
Plan - overview**



Key Strategies



**Planning
Commission
Focus**

Climate Action Plan (CAP) Overview



CAP Overview



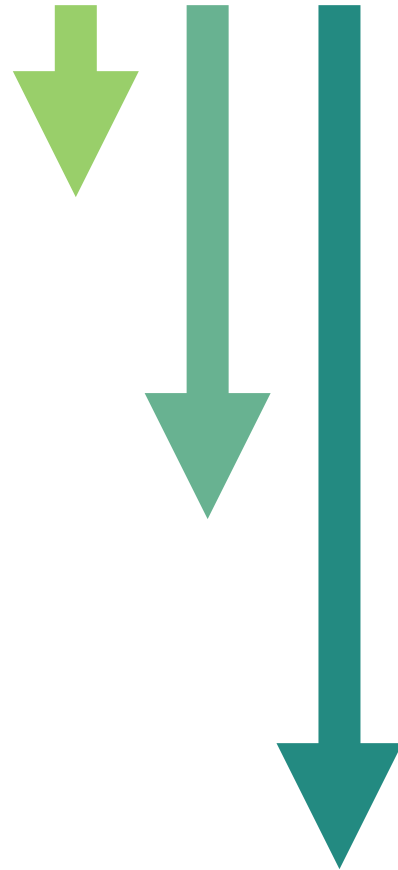
City Council approved the Climate Priority Declaration on June 6th, 2022.



CAP Overview



Adopted the following Climate Action goals:



2025: 80% reduction in City GHG emissions

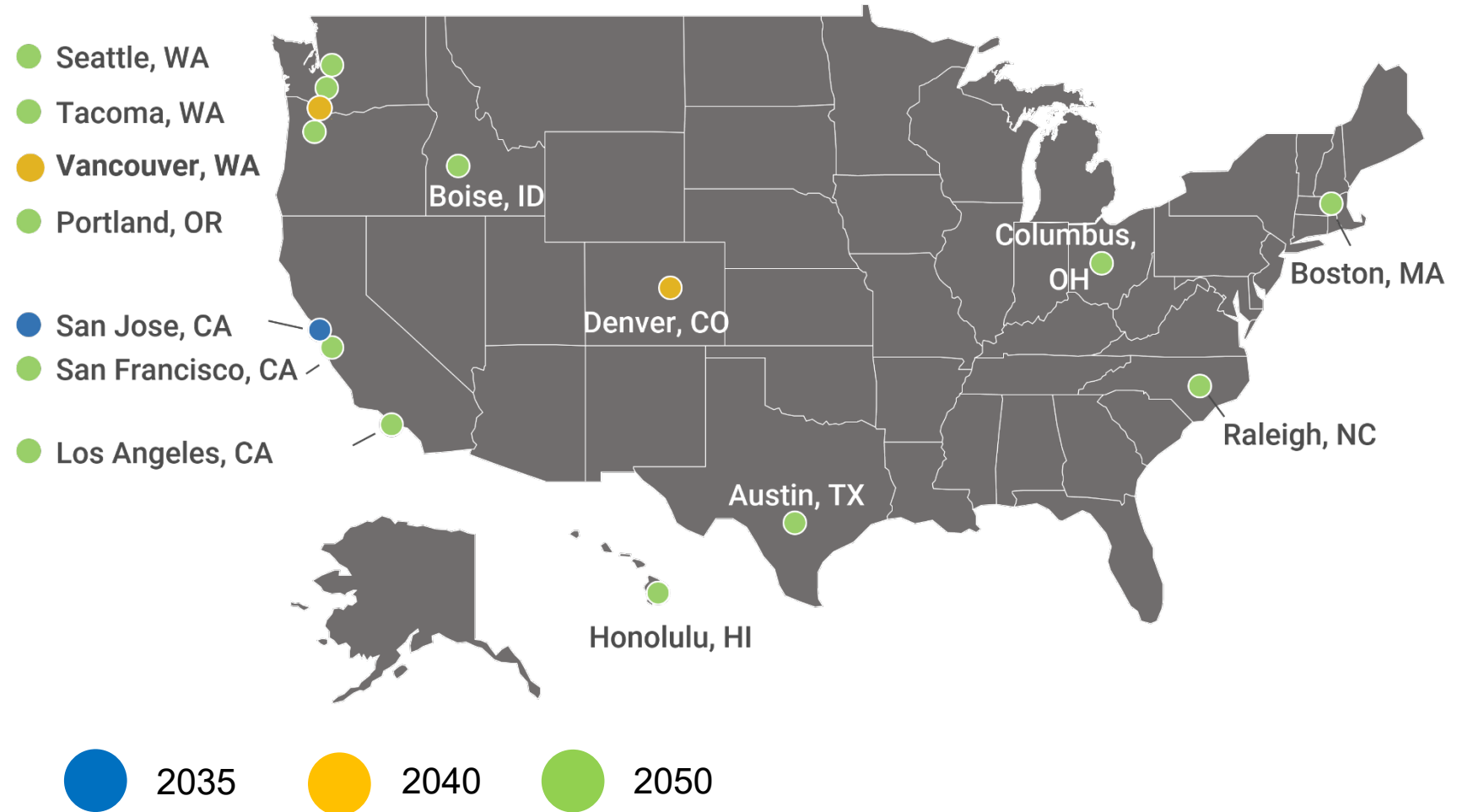
2030: 80% reduction in GHG emissions by the Vancouver community

2040: Carbon neutral by both municipal operations and the Vancouver community

CAP Overview



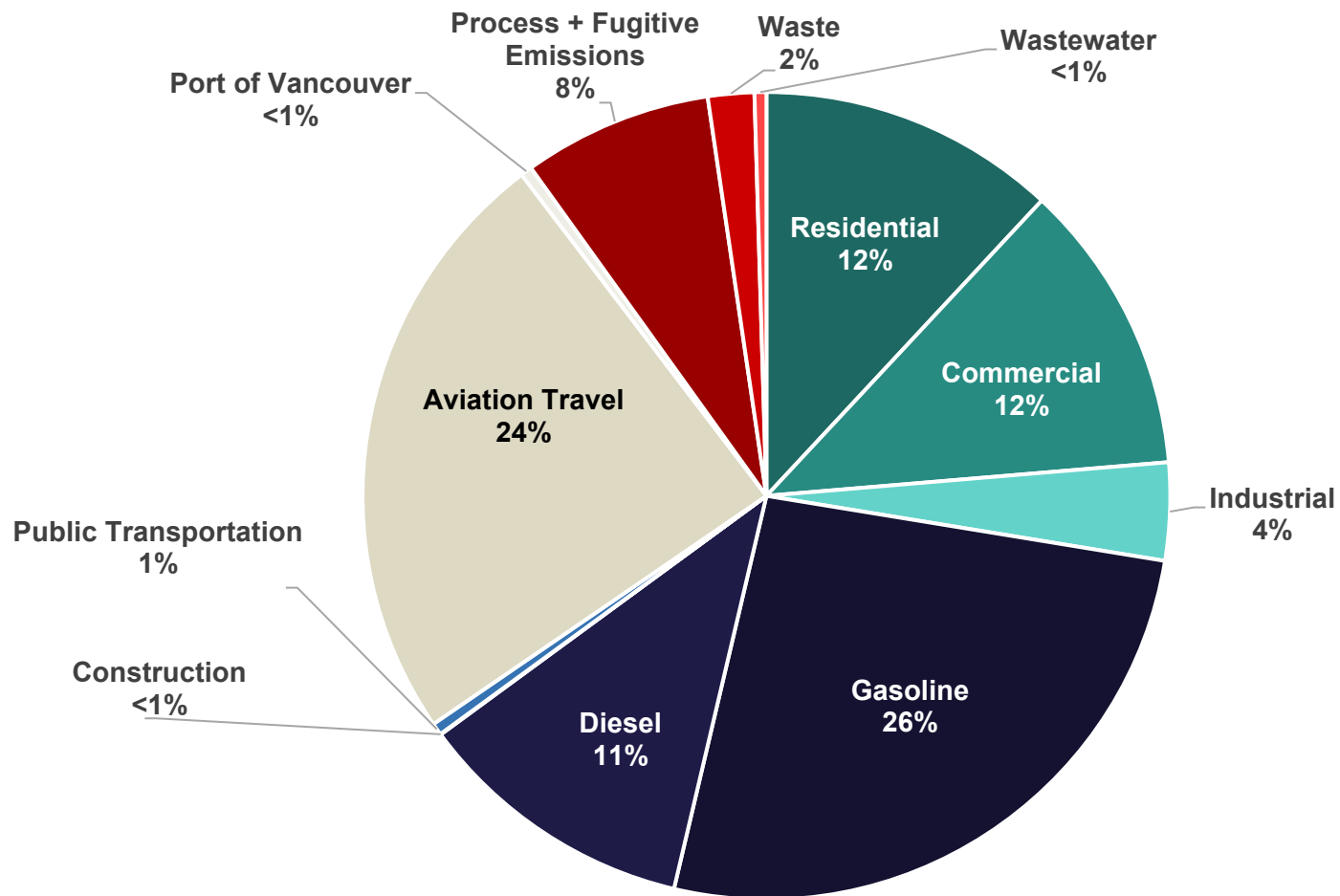
Establishes Vancouver as a national leader in carbon neutrality goals.



CAP Overview



2019 Community Emissions



CAP Overview



The CAP at a glance

90+
actions
can
help us
reach
84%
of our
2040
goal.

Six Categories



Buildings and Energy



Transportation and Land Use



Natural Systems



Solid Waste and Wastewater



Equity and Green Economy

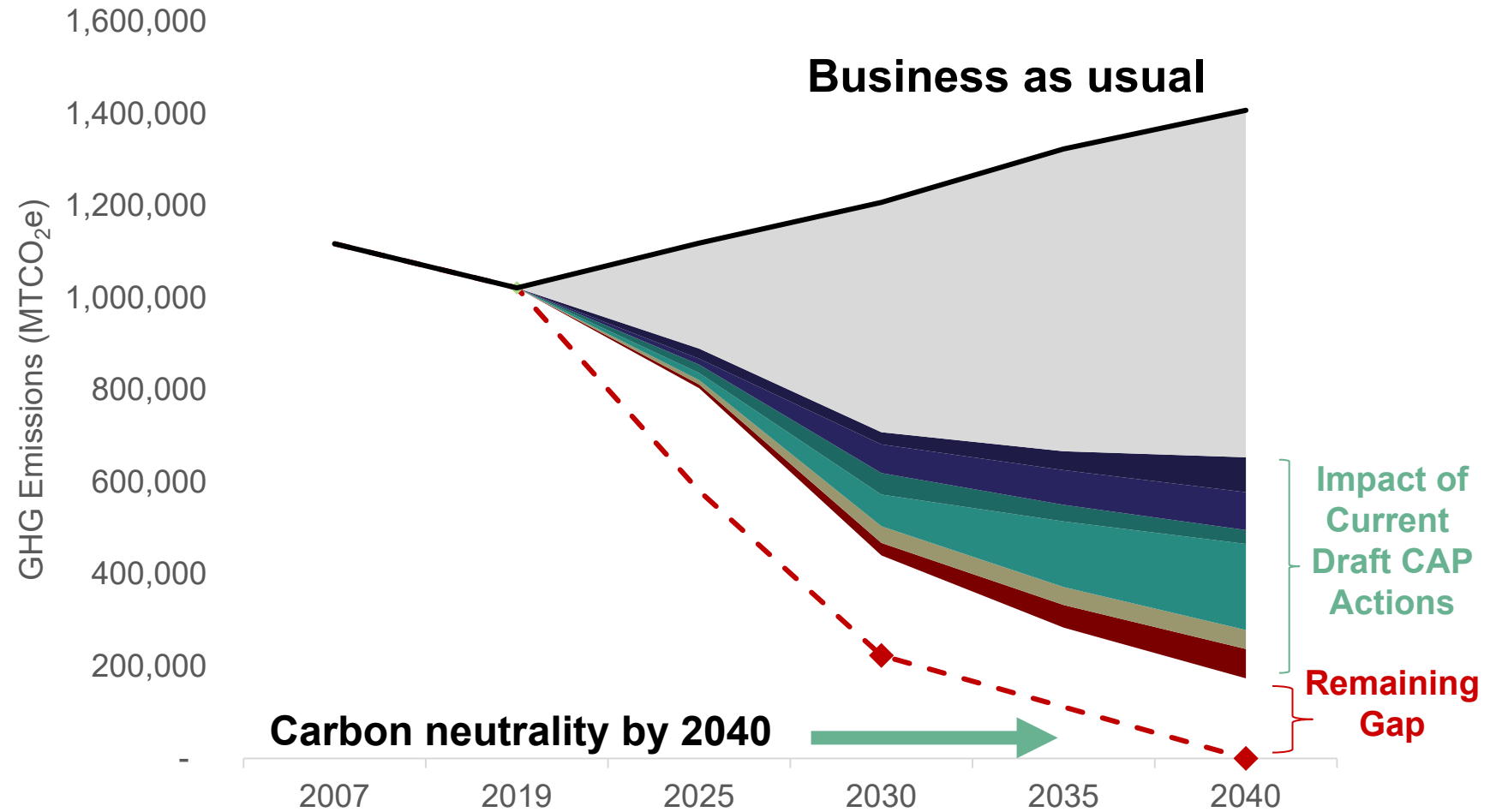


Governance

CAP Overview



Total Estimated Impact



Key Strategies



Transportation: Key Strategies



- Increase walking, biking and transit and decrease driving.
- Rapid transition to electric and low-carbon vehicles.

Land Use

- Efficient use of land.
- Grow upward, not outward.
- Provide abundant, affordable housing in walkable 20-minute neighborhoods.



Building and Energy: Key Strategies



- Reduce building energy demand for commercial and residential buildings.
- Transition to lowest-carbon power source available when feasible.
- Clean up existing power sources.

Natural Systems

- Preserve, expand and enhance public greenspaces and tree canopy for carbon capture.
- Support private property owners in planting trees, gardening with natives, and using natural soil improvement practices.





Solid Waste and Wastewater

- Reduce amount of waste produced.
- Recycle or reclaim materials wherever possible.
- Produce RNG at Wastewater Treatment Facility for on-site use

Equity & the Green Economy

- Higher education and apprenticeship partnerships
- Climate adaptation - prioritize vulnerable residents



Government Operations



- Funding for climate initiatives.
- Build staff capacity for CAP implementation.

Planning Commission Focus





Middle Housing/ Upzoning

- Code and zoning updates to promote mixed-use developments that are dense, transit-oriented, and supports active transportation mode choices
- Incentivize housing developments based on affordability and proximity to alternative transportation corridors
- Code and zoning updates to provide abundant housing choices at a variety of affordability levels by allowing diverse housing types in all residential areas
- Prioritize middle housing in existing single-family residential neighborhoods well served by transit



Clean Building Performance Standards

WA SB 5722

- Building Performance Standards currently apply to non-residential +50K sq ft buildings.
- Expands to include 20-50K sq ft
- City could provide support and technical assistance for building owners

Green Building Policy



- Begin process 2023
- Differentiate between building types
- City could set EUI standard; developer/architects determine pathway to achieve it.





Electric heat pumps - new construction

WA State Building Code Council

- 2023 - new businesses and apartments to use electric heat pumps.
- City Green Building Policy would comply with State energy code

Transportation fueling

- Expand infrastructure for electric, CNG, propane, H2, renewable diesel
- Cleaner fuels for fleet vehicles
- Reduce barriers to station upgrades for expanded fueling options
- City green purchasing policy – prioritize clean fleet contractors

Next Steps



CAP Council Schedule

August 8

Council Workshop –
walk through final
Climate Action Plan

September 12

Public Hearing and
Climate Action Plan
Adoption

Thank You

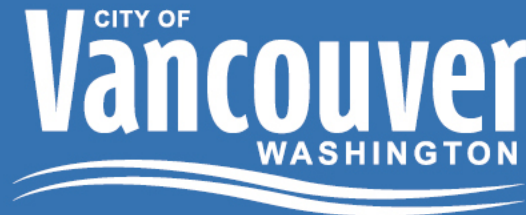
Questions?

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Cost Considerations



- Lifecycle costs vs. up-front costs
- Federal and State funding
- The “cost of doing nothing”