

Draft Climate Action Plan
City Council Workshop
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City Manager's Office

Climate Action Plan



Draft CAP Overview



Moving Forward



Policy Questions

Policy Questions (preview)



Key Policy Questions

Should we accelerate the preservation and expansion of **natural spaces** and the **urban tree canopy**?

How should we approach **energy supply** in new and existing buildings?

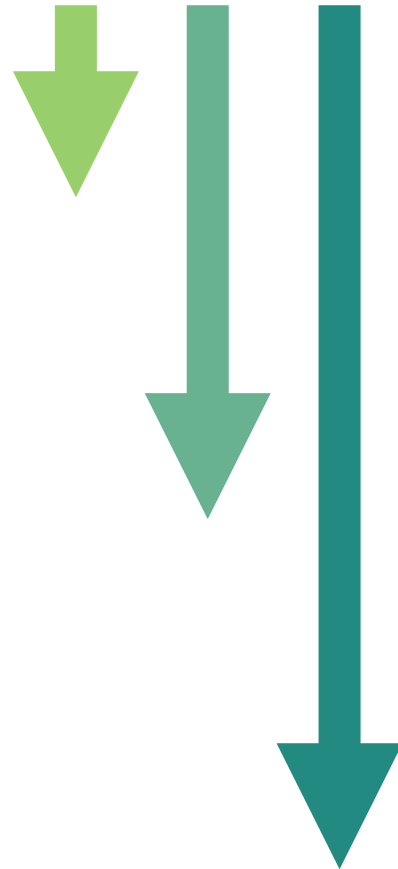
Draft CAP Overview



CAP Overview



City of Vancouver Climate Action goals:



2025: 80% reduction in City municipal 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



Community engagement to date

575

Survey responses

50

Meetings with individual stakeholders and community groups

7

Roundtables with a stakeholder advisory group

5

Rounds of City staff input from 6 departments

2

Models to estimate emissions reductions and costs of key actions

1

Multi-criteria analysis to understand trade-offs of actions

CAP Overview

Continuous improvement

- Ongoing stakeholder and community engagement
- Evaluation and updates of the CAP every 4 years
- Climate Community Advisors panel



CAP Overview



Impact of strategies

5
strategies
achieve

95%
of total
GHG
reductions

Impact of top 5 strategies

| | | |
|-----|--|---|
| 33% | | Decarbonize and electrify vehicles |
| 29% | | Decarbonize homes, businesses, and other buildings |
| 12% | | Increase carbon storage in trees, vegetation and soil |
| 11% | | Reduce organic waste to landfill |
| 11% | | Create neighborhoods that support clean modes of transportation |

CAP Overview



Prioritization

| Community Roundtable  | City Staff  | Environmental and Equity  | Business/ Development  |
|---|--|--|---|
| Completed a multi-criteria analysis of action list. | Departments lead with Early Action Package Actions. | Advocated for early action on adaptation and resilience. | Figure out building requirements ASAP. |

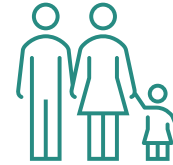
CAP Overview

High-level Cost Estimates

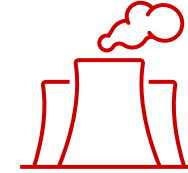
Full implementation of top 10 most impactful actions:



\$9M
Average
annual cost
to City



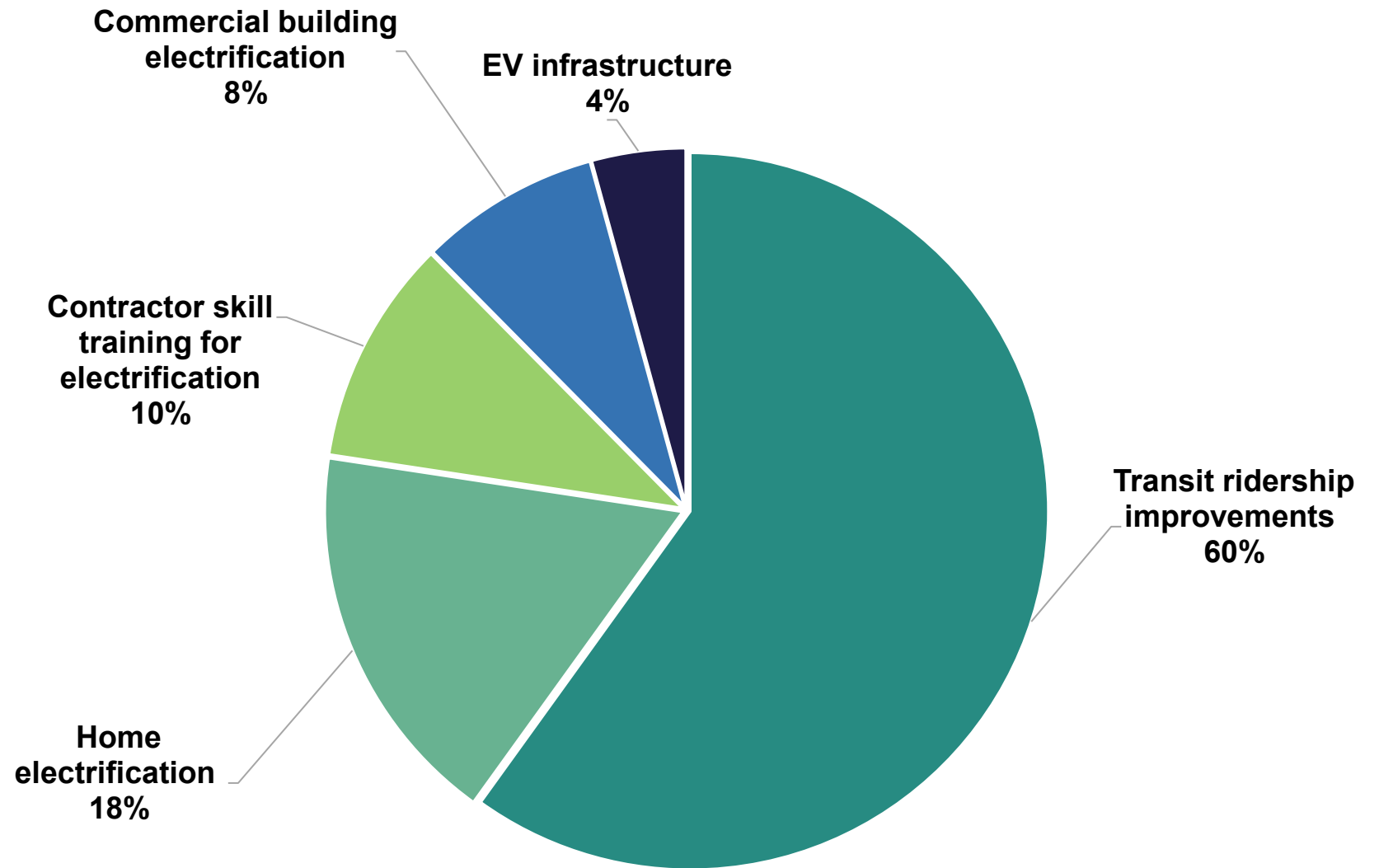
\$560
Average
annual cost
per household



\$13M
Average
annual cost
of inaction

CAP Overview

**CAP Net
Expenses**
(combined
municipal and
community
costs)



CAP Overview



Climate Action investments are also investments in:

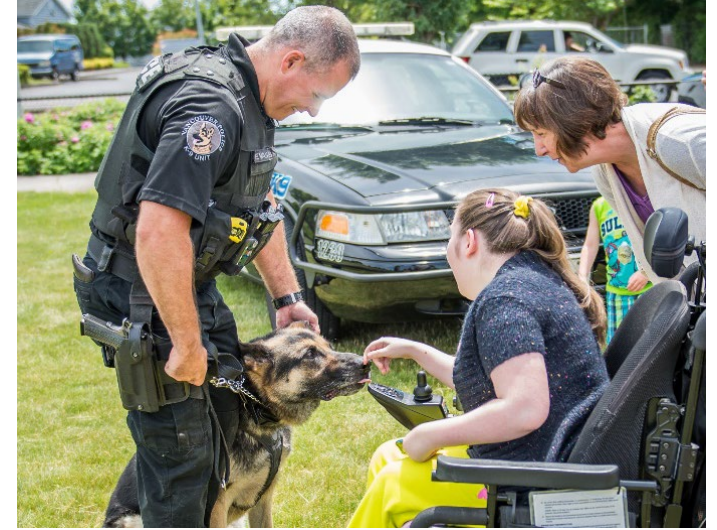
- Lower utility bills
- Cooler summers
- Improved air quality
- Disaster resiliency
- Public health improvements
- New jobs and industries
- Better public transit
- Less time spent in traffic
- Lower lifetime vehicle costs
- More housing options
- Safe walking and bicycling paths
- More parks and mature trees

Moving Forward



How the City is moving forward

Every City department is responsible for incorporating climate action into its work.





Incorporating CAP actions into City biennial budgets

City Manager's Office

Staff capacity to implement CAP, support Climate Community Advisory panel

Parks, Recreation & Cultural Services
New Naturescaping Vancouver program.

General Services

Facilities Conditions Assessments, HVAC and lighting upgrades, solar and EV charging.



Incorporating CAP actions into City biennial budgets

Fleet

Comprehensive fleet EV infrastructure study

Information Technology, HR

Remote work resources and Commute Trip Reduction Program

Incorporating CAP actions into City biennial budgets

Economic Prosperity & Housing

Staff and program funds to increase alternative transportation options via Parking Demand Management

Community Development

Staff capacity to support transition to multimodal transportation, implement State Energy Code and lead Comp Plan updates.





Land Use & Transportation and Building Energy actions

- Land use and transportation: updates to the **Comp Plan** (2024) and **Strategic Plan** (2023).
- Building Energy: **Green Building Policies** (to be developed with input from community partners (2023)).

Policy Questions



Policy Questions

Strong community support for protecting and expanding natural spaces.



Policy Questions

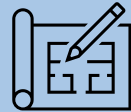


Policy Direction: Natural Systems



Question: Does Council want to adopt a policy to accelerate or expand upon the existing actions?

The draft CAP currently contains actions to:



Implement the Urban Forestry Work Plan



Prioritize re-greening in underserved areas



Support programs that encourage planting on private property

Policy Questions

Building Energy

Mixed community feedback on moving towards electrification over fossil gas for building energy



Policy Questions



Policy Direction: Building Energy




The draft CAP currently contains actions to:

- **Incentives** for all-electric new construction and transition of existing buildings from fossil gas.
- All-electric building reach code for **new construction** (effective 2030).
- Reach code to **transition existing homes** to all-electric at point-of-sale (2030).
- Contractor training to support transition from gas to electric appliances.
- Support new WA State Energy code requirement for heat pump heating and cooling.

Policy Questions



Policy Direction: Building Energy

|  Status Quo: Remove electrification actions |  CAP: Maintain current actions |  Leading Edge: Accelerate electrification |
|---|--|---|
| <p>City follows State legislation</p> <p>Minimize disruption.</p> <p>Lose up to 20% of GHG reductions.</p> | <p>Re-assess in 2026.</p> <p>Achieves significant GHG reductions.</p> <p>Requires change.</p> | <p>Adopt more aggressive package.</p> <p>More progress towards goal.</p> <p>Grid capacity?</p> |

Thank You

Questions?

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