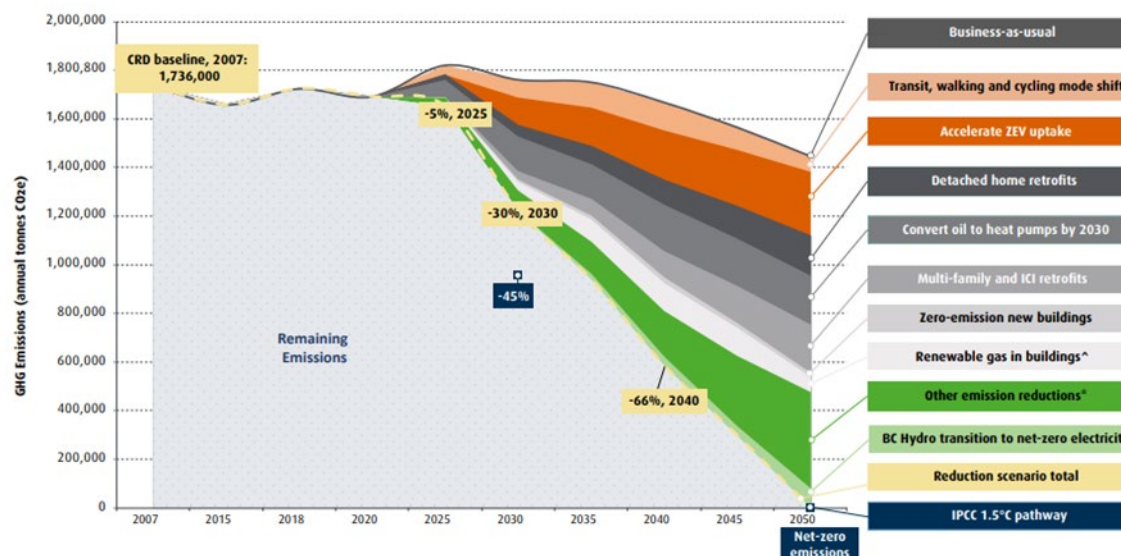


CAPITAL REGION-WIDE GREENHOUSE GAS EMISSIONS CLIMATE ACTION STRATEGY SCENARIO

January 2024

Figure 8. Capital region-wide GHG emissions: Climate Action Strategy scenario, 2007-2050 (tonnes CO₂e)



[^] Renewable gas may include several sources, e.g., captured landfill gas, gas from anaerobic digesters, future supply of hydrogen gas.

^{*} Other emissions sources include agriculture, forestry, other land use, fugitive, marine and aviation, product use

Source: 2021 CRD Climate Action Strategy, p. 22

NOTES

- Current CRD Climate Action Strategy actions were structured around how the CRD can best play a role within known authorities to reduce regional Greenhouse Gas (GHG) emissions under these broad approaches.
- Transportation accounted for 42% of regional GHGs in 2022. Transportation Governance outcomes are likely to support some of the mode-shift related emissions; the remainder are covered by provincial fuel policy and electric vehicle/renewable fuels transitions.
 - The CRD is supporting this through Electric Vehicle (EV) infrastructure programming, building off of provincial level EV incentives and minimum EV sale quotas for manufacturers.
 - The establishment of a new transportation service could encourage GHG reductions through faster implementation of transportation infrastructure and delivery of transit services. The two most significant changes would be to:
 - Prioritize infrastructure projects at the regional level to allow for robust CRD Board advocacy to federal and provincial funders.
 - Accelerate mode shift through a new behaviour change program that would offer education activities to support community mobilization.
- Buildings accounted for over 30% of regional GHGs in 2022.
 - The CRD is advancing iterative retrofit support work for residential homeowners through the Home Energy Navigator program, policy implementation support for local governments on the BC Energy Step Code and Zero Carbon Step Code, and scoping of potential building benchmarking and low-income financing programs.