



2024 Regional Greenhouse Gas Emissions Inventory

Environmental Services Committee | November 19, 2025

Climate Action and Adaptation Service



Coordinate actions to achieve Regional Growth Strategy goal

61% Reduction in Greenhouse Gas (GHG) Emissions from 2007 by 2038.

Report on progress towards 2038 emission reduction goal

Produce a regional GHG inventory

Provide capital region local governments with individual inventories for their planning and reporting purposes



GPC & Basic+ Reporting

Sectors and Subsectors of City GHG Emissions:				
 Stationary Energy - Residential Buildings - Commercial and institutional buildings and facilities - Manufacturing industries and construction - Energy industries - Agriculture, forestry, and fishing activities - Non-specified sources - Fugitive emissions	 Transportation - On-road - Railways - Waterborne navigation aviation - Off-road	 Waste - Solid waste disposal - Biological treatment of waste - Incineration and open burning - Wastewater treatment and discharge	 Industrial Processes and Product Use (IPPU) - Industrial Processes - Product Use	 Agriculture, Forestry and other Land Use - Livestock - Land - Aggregate sources and non-CO₂ emission sources on land.
Scope				
Scope 1 Sources located within the jurisdictional boundary.	Scope 2 Sources from generating electricity, heat, steam and/or cooling.	Scope 3 Sources outside the jurisdiction but a result of activities taking place within boundary.		



GPC Protocol:

Created to allow for credible and meaningful GHG reporting locally and internationally.

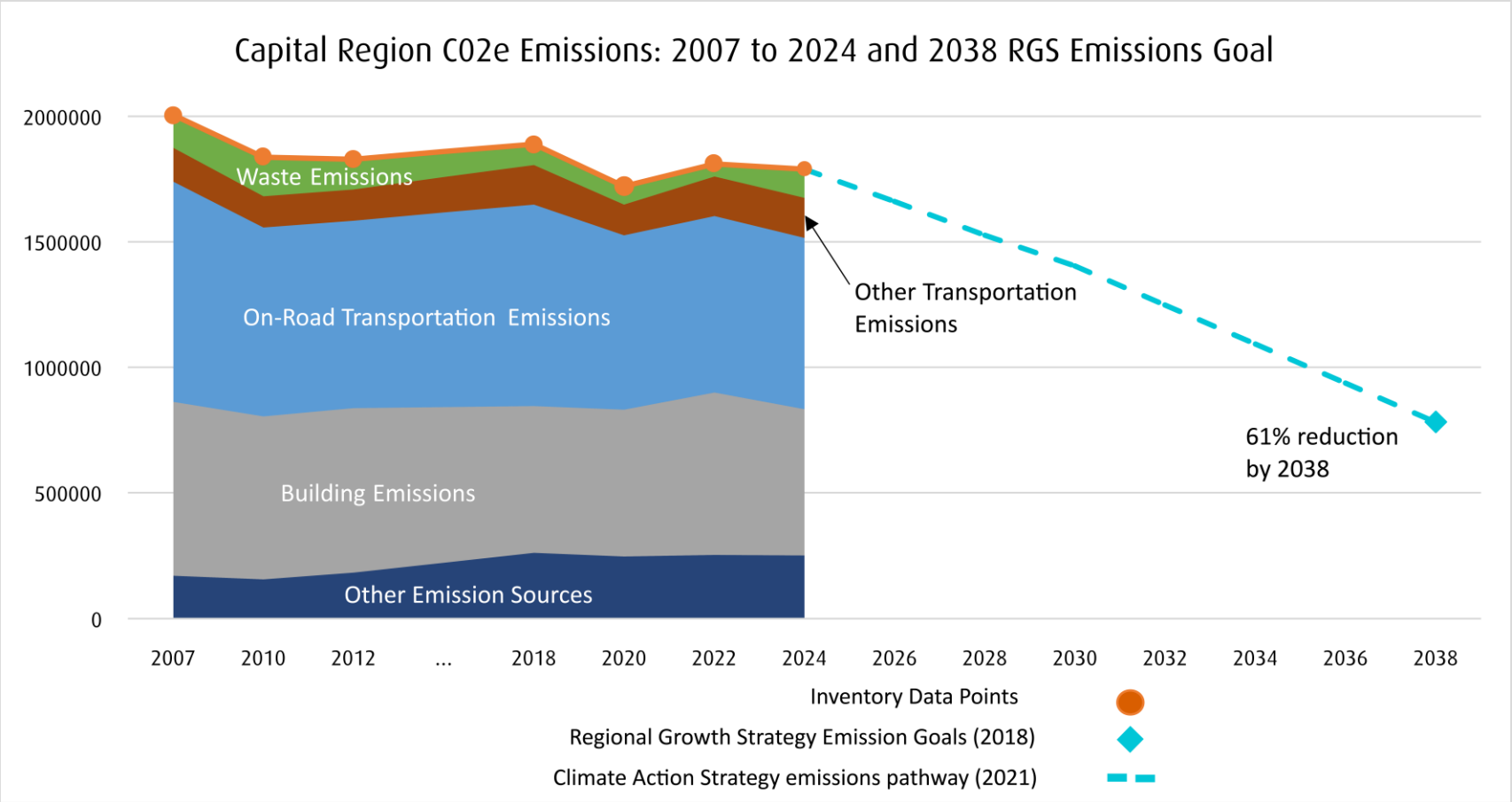
The GPC is recognized as the standardized way for local governments to collect and report their actions on climate change.

Over 9,000 cities have committed to using it.

Created in collaboration by:



Overall Results

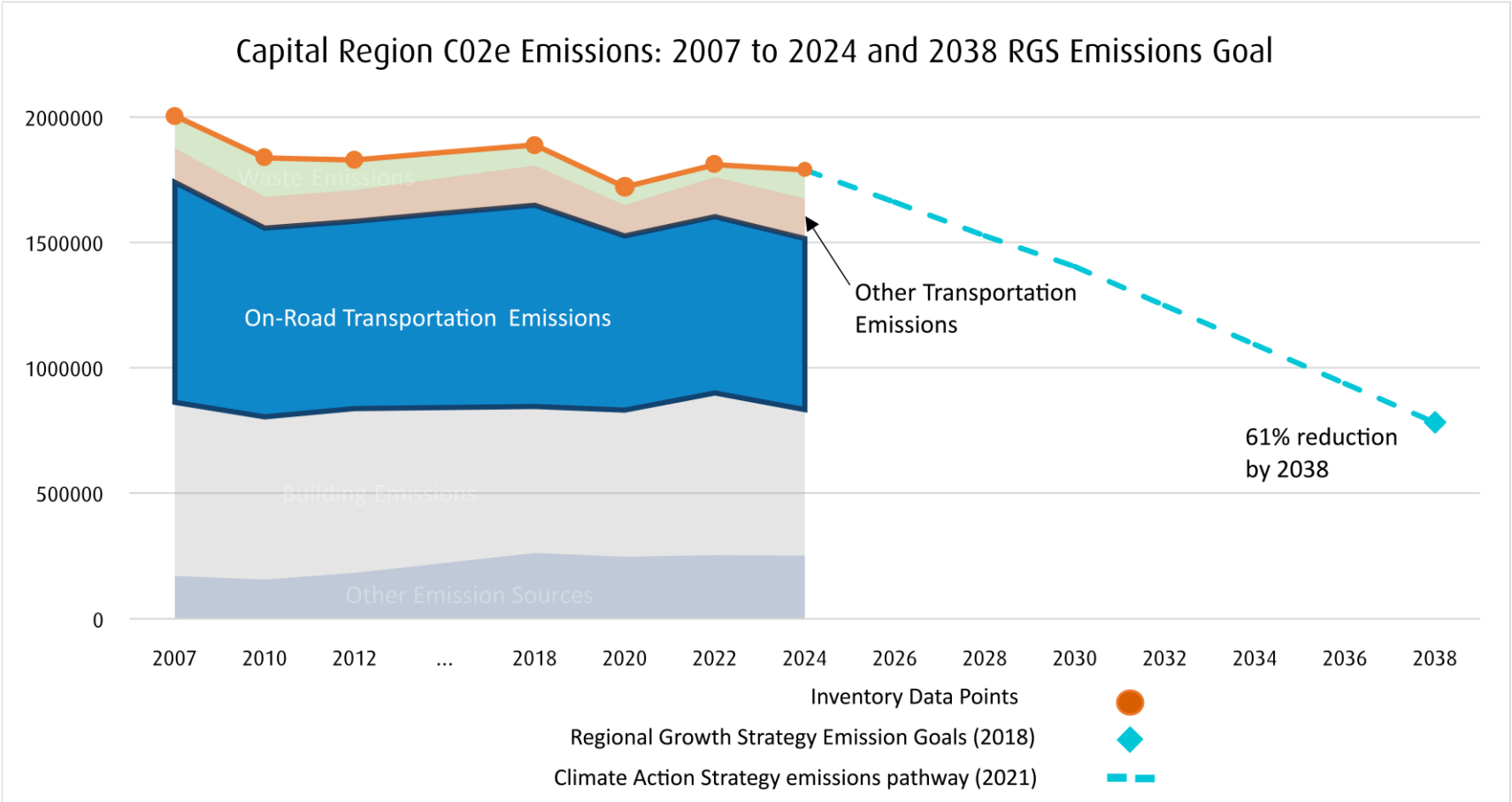


Regional Emissions Trends

- 1% decrease from 2022
- 11% decrease from 2007
- Population increased by one-third since 2007
- 30% decrease per capita since 2007

Transportation

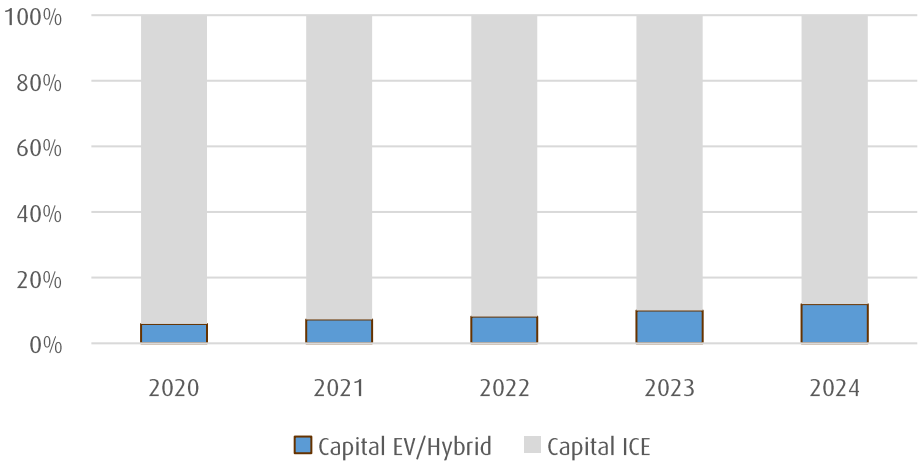
Regional Emissions Trends



- Largest GHG emissions source at 38%
- Decreased 22% since 2007

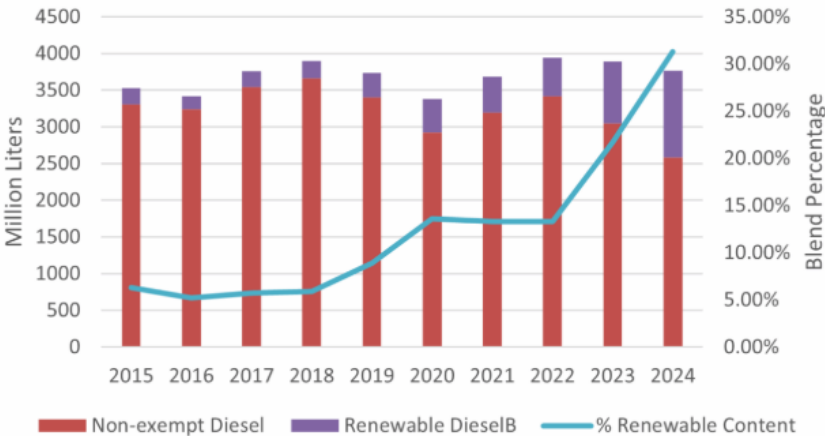
Transportation

EV and Hybrid Adoption in the Capital Region



Source: ICBC public reporting dashboard (tableau)

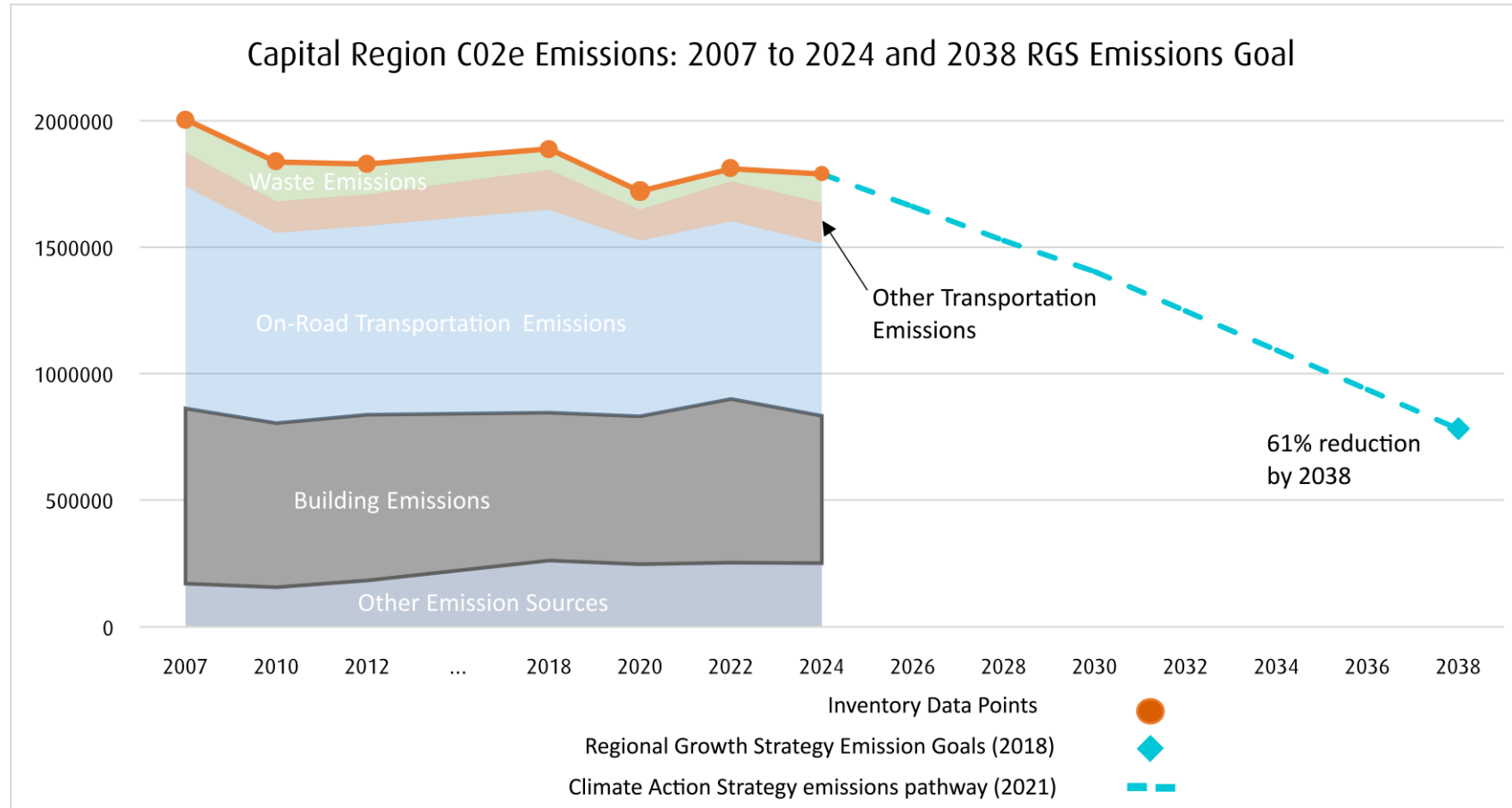
Low Carbon Fuel Standard (LCFS) Diesel Pool Blend



Source: Ccarbon.info



Buildings

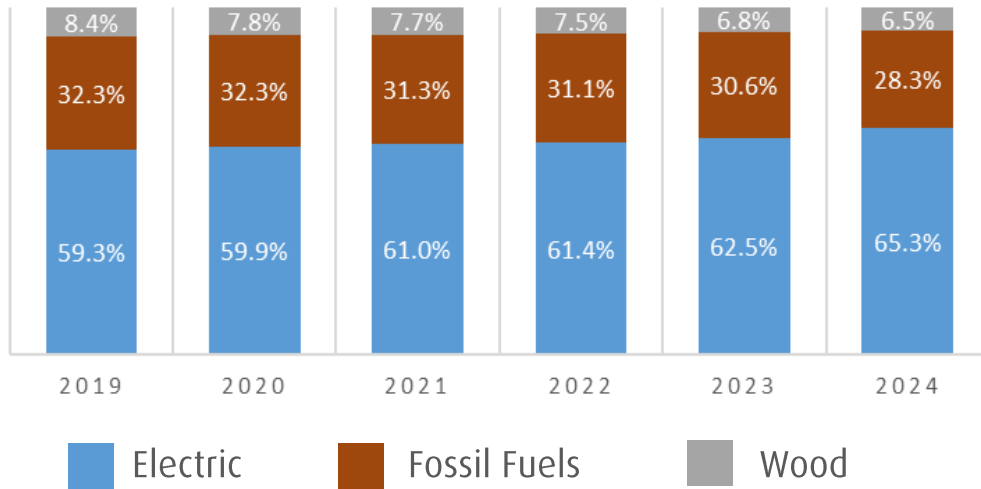


Regional Emissions Trends

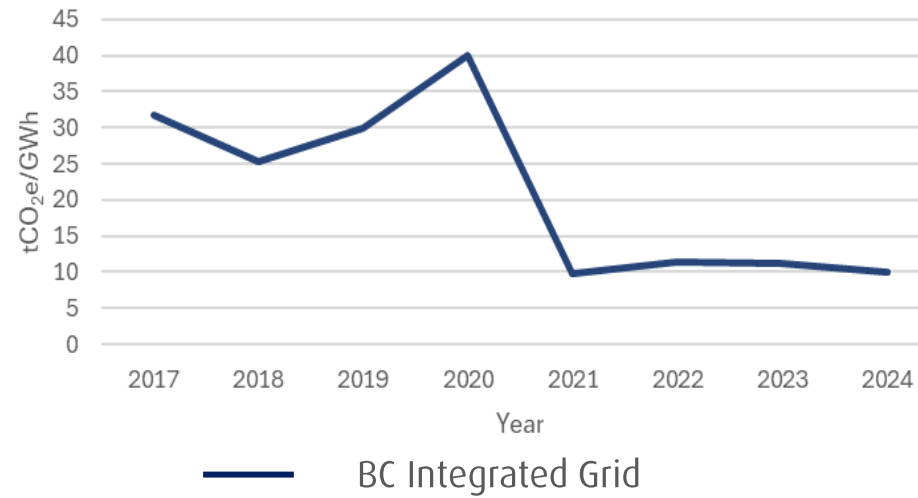
- Second largest source of GHG emissions at 33%
- Two-thirds from burning natural gas
- 16% decrease from 2007

Buildings

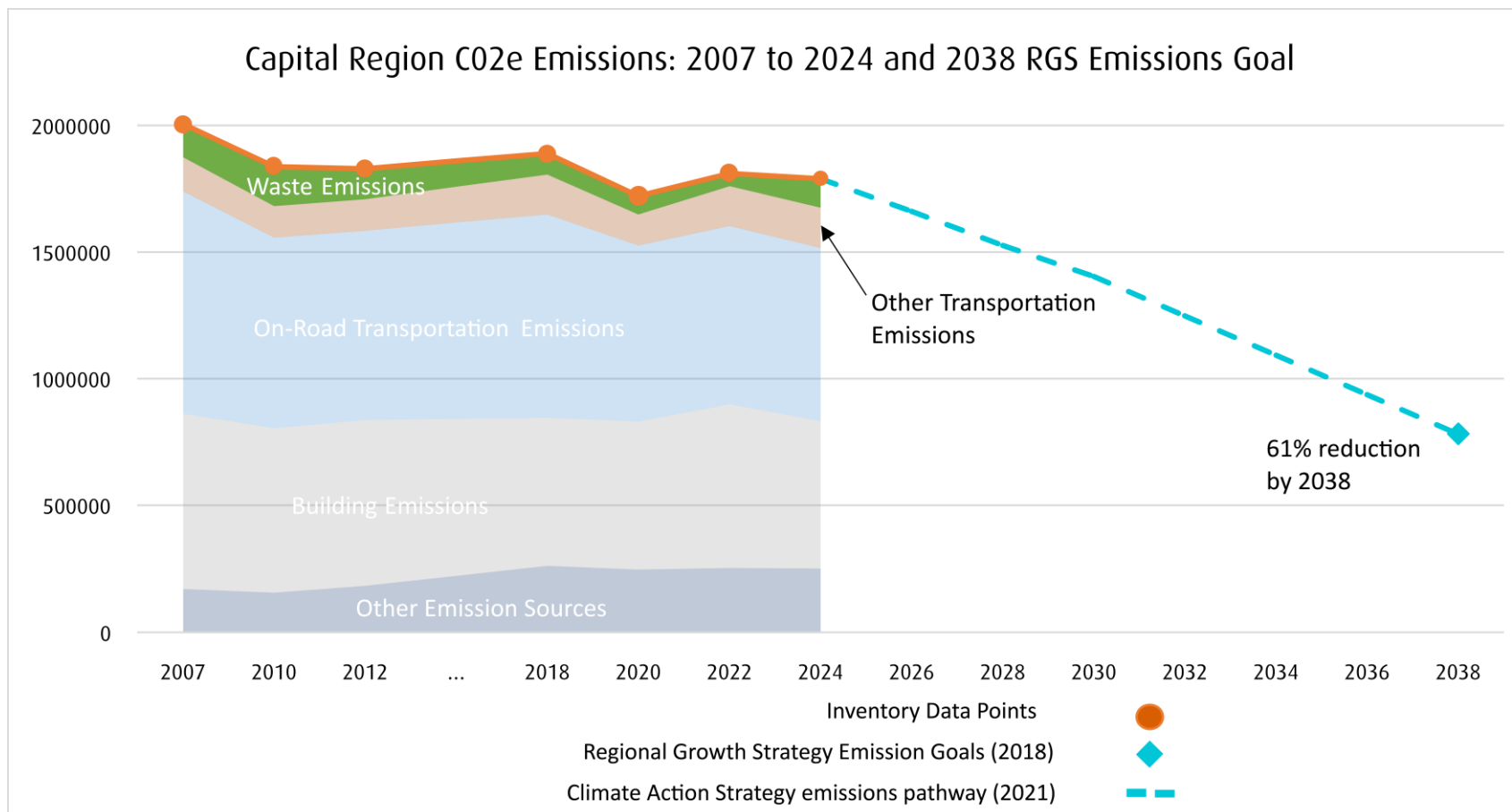
Heat Systems in Homes Sold in the Capital Region



Carbon Intensity of BC's Integrated Grid



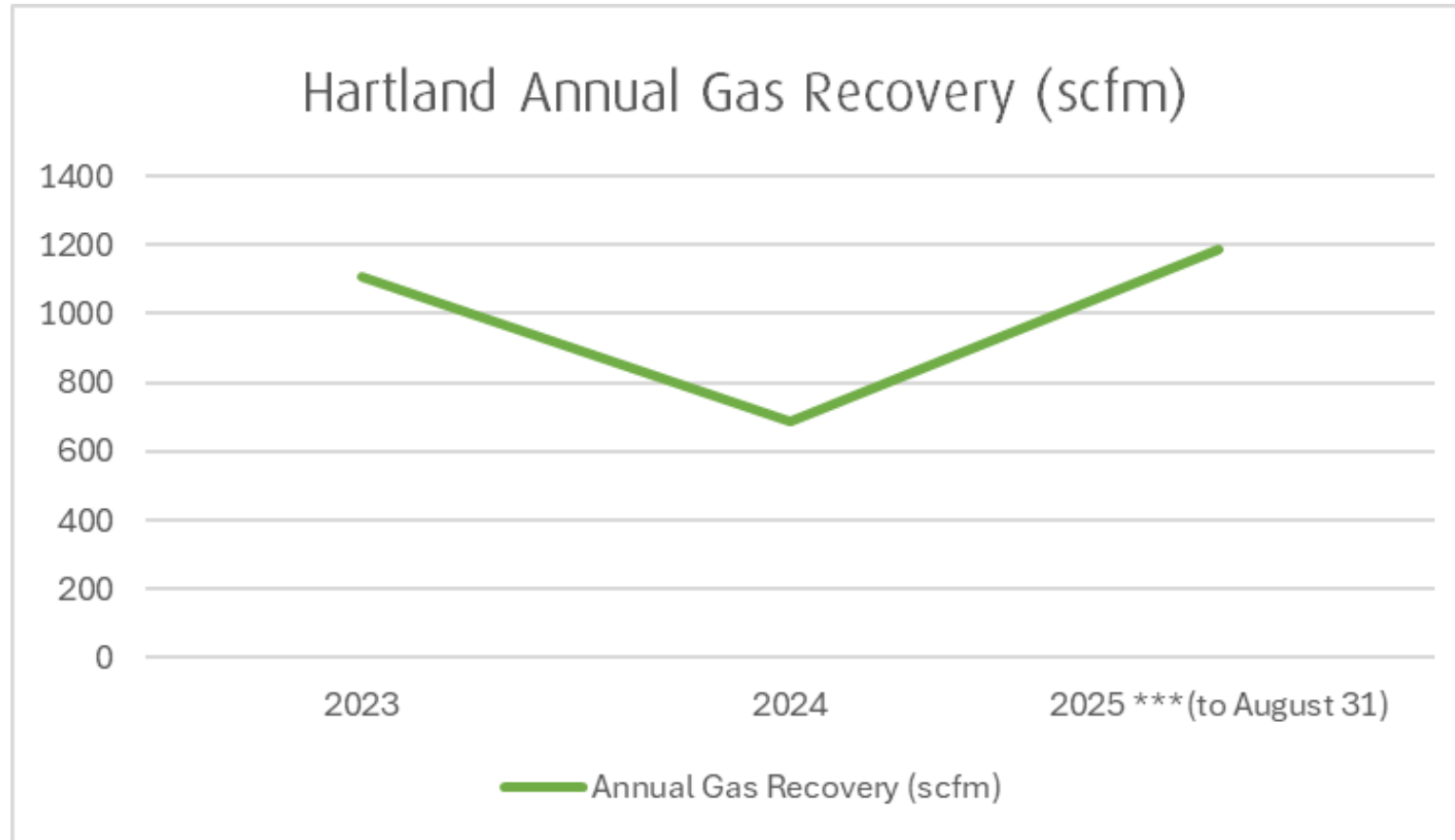
Waste



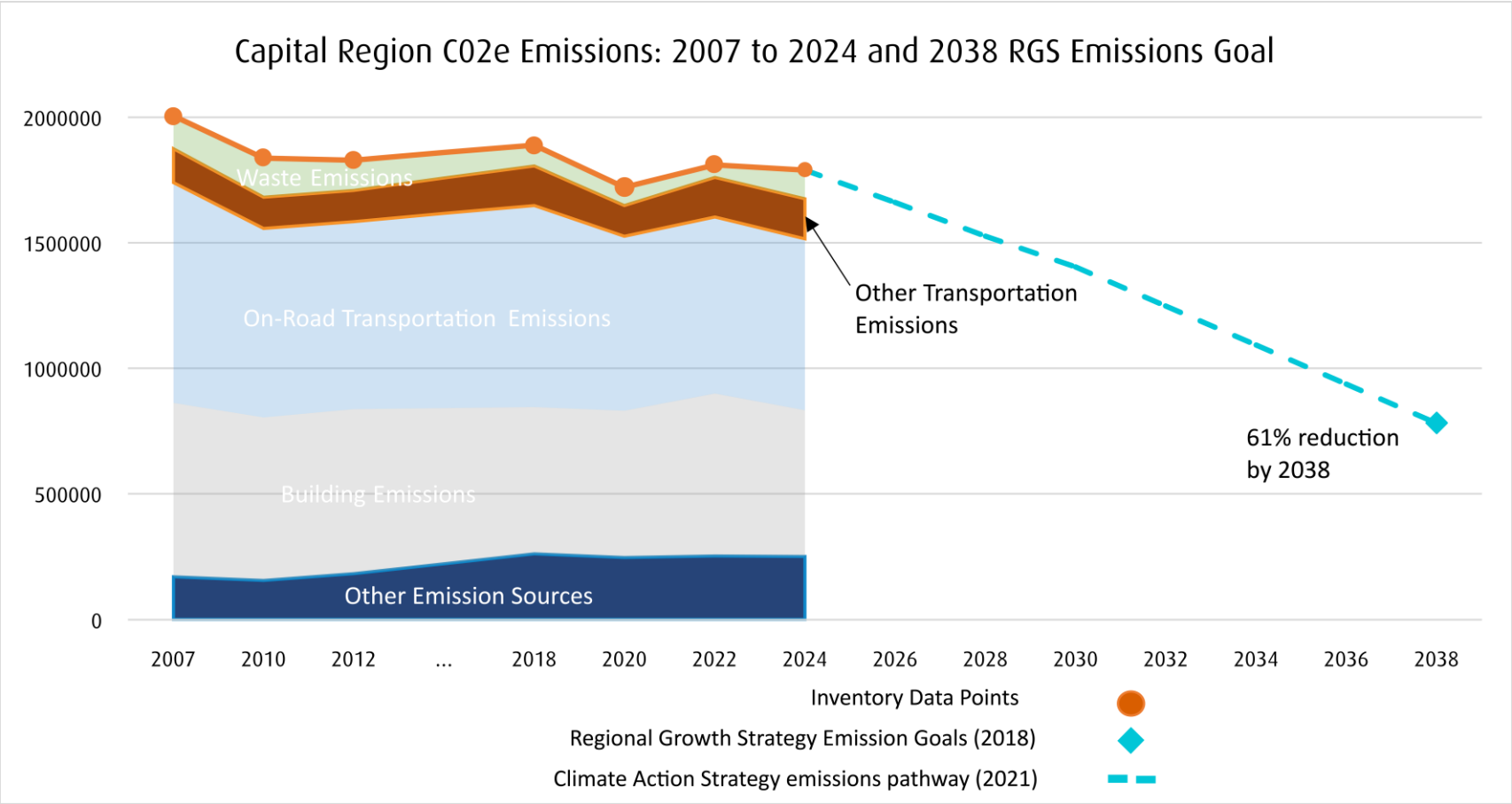
Regional Emissions Trends

- 6% of GHG emissions in 2024
- 2024 was an anomaly year
- 12% decrease since 2007

Landfill Gas Production



Other Emissions



Regional Emissions Trends

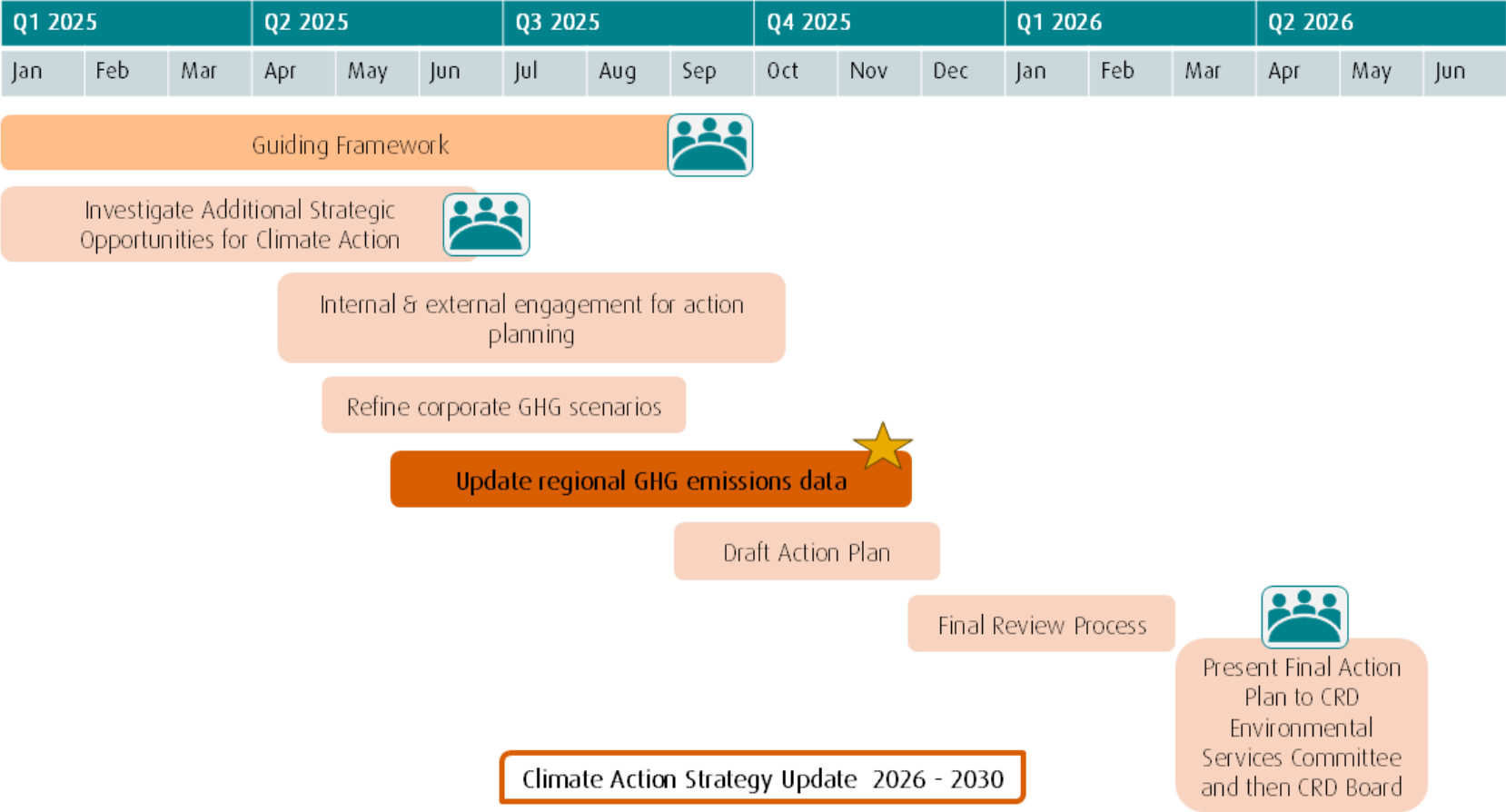
- “Other” includes refrigerants and aerosols
- “Other Transportation” includes BC Ferries, estimates of off-road vehicle use and cruise ships, etc.
- Both sources have increased since 2007

Local Government Trends

	2007	2024	% Change
Capital Region	5.6	3.9	-30%
Central Saanich	6.1	5.4	-12%
Colwood	5.4	3.9	-27%
Esquimalt	5.5	3.8	-31%
Highlands	5.4	4.9	-8%
Juan de Fuca Electoral Area	13.8	4.9	-64%
Langford	5.5	3.8	-32%
Metchosin	5.5	4.3	-22%
North Saanich	5.9	4.4	-25%
Oak Bay	4.8	3.7	-24%
Saanich	5.3	3.8	-28%
Salt Spring Island Electoral Area	4.9	3.8	-23%
Sidney	5.5	4.2	-23%
Sooke	5.0	3.6	-27%
Victoria	6.0	3.8	-36%
View Royal	5.5	3.9	-29%
Southern Gulf Islands Electoral Area	6.2	5.0	-20%



Next Steps



Next Steps

- Draft the Plan
- Complete internal review process
- Deliver to Board