



### Further information

[Renewable City Action Plan](#)

[Zero Emissions Building Plan](#)

[Renewable Energy Strategy for City Owned Buildings](#)



631,486 inhabitants

Temperate maritime climate

### Existing / Planned Regulations & Roadmaps

- Renewable City Action Plan establishes the high-level roadmap for all buildings to achieve zero emissions
- Zero Emissions Building Plan (2016) specifies new buildings must achieve zero emissions by 2030
- Green Buildings Policy for Rezonings to be updated with zero emissions requirements in 2021 and 2025
- Building code has GHG limits per unit area to be updated in five-year increments so that it will require zero emissions from all new construction by 2030
- Incentives in place to support voluntary adoption of near zero emissions standards for new private developments
- Existing Building Retrofit Strategy to be updated prior to 2020 to include policies and actions that will achieve 100% renewable energy for all buildings by 2050
- Zero Emissions Building Policy provides an extra 5% buildable area for voluntary adoption of Passive House or ILFI Zero Carbon standard

### Municipal Buildings

- The City of Vancouver is carbon neutral in operations for all buildings owned and occupied since 2012
- Renewable Energy Strategy for City Owned Buildings (2016) requires all city-owned buildings to be zero emissions in their operations before 2040, eliminating carbon offsets
- New city-owned developments must be built to Passive House or alternative near zero emissions standard from 2018; as part of capital renewal and maintenance planning, existing buildings are identified and scheduled for zero emission retrofits
- \$16m in energy retrofit and optimisation projects completed in the last 10 years, resulting in GHG reductions of 5,600 tonnes CO<sub>2</sub>e/yr
- City conducts annual energy and GHG emission benchmarking using EnergyStar Portfolio Manager, tracked quarterly
- Neighbourhood renewable energy systems to reduce municipal building inventory GHG emissions by 37%
- Conversion from natural gas to electricity for space heating and replacing natural gas with renewable natural gas

