

Vancouver

CDP Cities: InFocus Report | 2016



About the report

CDP is a not-for-profit that provides the global platform for cities to measure, manage and disclose their environmental data. We work with more than 500 cities who are now measuring and disclosing environmental data on an annual basis in order to manage emissions, build resilience, and protect themselves from the growing impacts of climate change.

Thanks to CDP's cities program funder, Bloomberg Philanthropies, CDP has seen 533 cities disclose their climate change related data, a 70% increase from 2015. We congratulate the hard work and dedication of city governments in measuring and disclosing this data and for the actions they take to tackle climate change. To see the results for all participating cities, visit <https://www.cdp.net/cities>.

For the last 6 years, CDP has partnered with the C40 Cities Climate Leadership Group (C40) in connecting more than 90 of the world's greatest cities, representing over 650 million people and one quarter of the global economy. Created and led by cities, C40 is focused on tackling climate change and driving urban action that reduces greenhouse gas emissions and climate risks, while increasing the health, wellbeing and economic opportunities of urban citizens.

InFocus Reports are given to the city in each region that produced the highest quality response for their submission to CDP Cities.

In 2016, five C40 cities are awarded with InFocus Reports for demonstrating leadership in their region by taking bold climate action. We congratulate: Cape Town, South Africa; Mexico City, Mexico; Paris, France; Sydney, Australia and Vancouver, Canada.

This year we also recognize cities that are disclosing for the first time in 2016 and received the highest score in each of their regions: Gladsaxe, Denmark; Municipalidad de Providencia, Chile; City of North Vancouver, Canada; Taoyuan City, Taiwan; and Yaoundé 6, Cameroon. This group of cities are excelling at disclosure in their first year of reporting, which is critical for taking meaningful action to address environmental risks.

With this report CDP, C40 and AECOM are proud to highlight Vancouver as a climate leader. This document contains the questionnaire data provided to CDP from Vancouver as part of its 2016 CDP submission.



Vancouver, Canada

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Years disclosing to CDP

Population

603,500



CDP is one of the official reporting platforms supporting the Compact of Mayors, which has now merged with the EU's Covenant of Mayors to create the Global Covenant of Mayors for Climate & Energy

Compact of Mayors

Phases completed



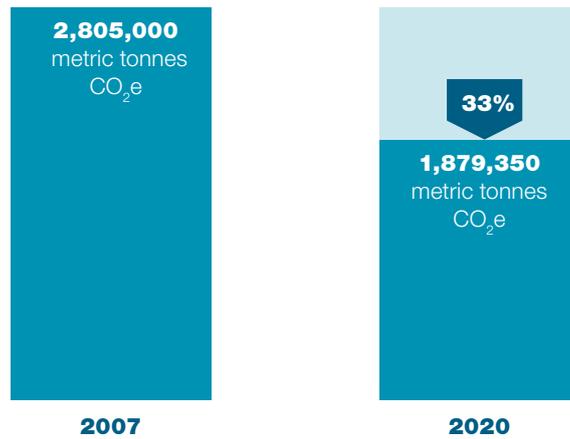
Mitigation

Climate Action Plan

Greenest City 2020 Action Plan Part Two | 2012

Emissions protocol: Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 and ICLEI)

Total community emissions trend and target



6

activities being undertaken to reduce emissions

Top 3 emissions reduction activities



Landfill management

Landfill gas management/
Landfill gas to energy



Energy efficiency / retrofit measures

Commercial buildings and facilities:
Heating and cooling efficiency

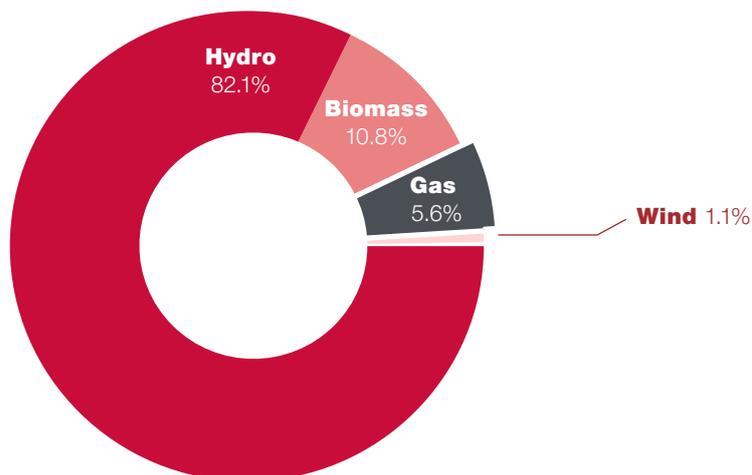


Building codes and standards

Energy performance ratings for all construction; enhanced requirements for construction on rezoned land

By 2050 Vancouver aims to source 100% of its total energy from renewable energy means

Energy mix breakdown of city-wide electricity



Climate hazards

Vulnerability assessment

Vancouver Climate Change Adaptation Strategy | 2012

Climate hazards are dangerous climate-related physical events that may cause loss of life, injury, or other health impacts.

These hazards can cause damage or loss to infrastructure, livelihoods, and environmental resources.

Top 3 climate hazards by timescale

Current



Rain storm

Short-term (by 2025)



Severe wind



Flash/surface flood



Storm surge

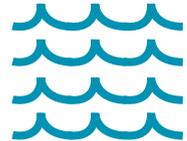
Medium-term (by 2050)



Heat wave



Insect infestation



Coastal flood

Long-term (after 2051)



Salt water intrusion

Top 3 assets / services affected by climate hazards



Health and community



Emergency services



Residential

Adaptation

Adaptation Plan

Vancouver Climate Change Adaptation Strategy | 2015

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actions are being undertaken to reduce risk from climate hazards

Adaptation actions taken for the top climate hazards



Rain storm

Storm water capture systems



Extreme hot days

Community engagement/ education

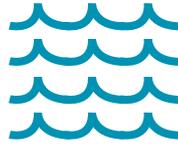


Insect infestation

Pest management and resilient trees

Adaptation actions taken to reduce water supply risks, by timescale

Medium-term



Flooding

Floodwater management (natural or man made infrastructure)



Increased water stress or scarcity

Municipal water efficiency retrofits

Economic opportunities

Climate change presents opportunities as well as risks. Many cities have identified economic or financial benefits opportunities from mitigating, and adapting to climate change.

Top economic opportunities from climate change

- ▼ Development of new business industries (e.g. clean tech)
- ▼ Green jobs
- ▼ Longer growing seasons
- ▼ Improved efficiency of operations
- ▼ Increased attention to other environmental concerns
- ▼ Increased green entrepreneurship
- ▼ Additional funding options
- ▼ Attract green capital
- ▼ Increased energy security



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