

City of North 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 City of North Vancouver as a climate leader. This document contains the questionnaire data provided to CDP from City of North Vancouver as part of its 2016 CDP submission.

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Year disclosing to CDP

Population

52,346



North Vancouver

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



The City of North Vancouver is a small urban municipality located at the base of the North Shore Mountains. Supporting a population of over 52,000 people in a land area just under 12 square kilometres, the City is a dense and diverse community. The City is designated a Regional Centre within the Metro Vancouver region and has relatively high residential density, high employment, convenient transit access, and is in close proximity to Vancouver's central business district.

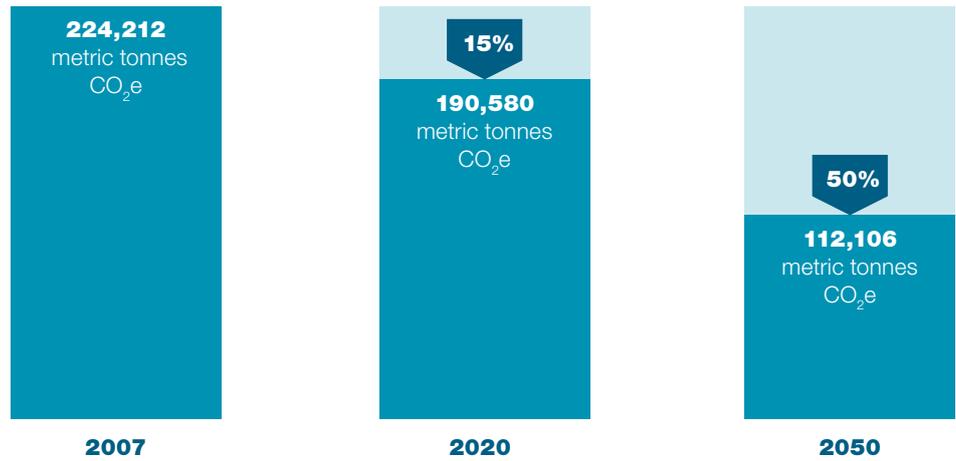
Mitigation

Climate Action Plan

Community Energy and Emissions Plan | 2010

Emissions protocol:
ICLEI Partners for
Climate Protection

Total community emissions trend and target



13

activities being
undertaken to
reduce emissions

Top 3 emissions reduction activities



Private transport

Transportation demand management



Energy efficiency / retrofit measures

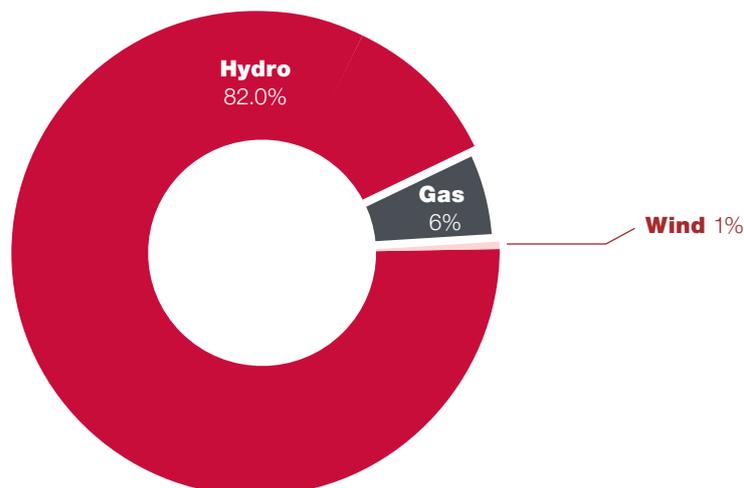
High energy performance for new buildings



Energy

Low or zero carbon energy supply generation

Energy mix



Climate hazards

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

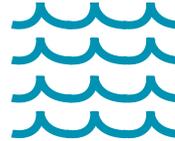
These hazards can cause damage or loss to infrastructure, livelihoods, and environmental resources.

Top 3 climate hazards by timescale

Current



Rain storm



River flood



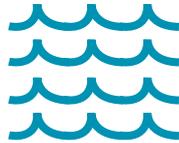
Drought

Short-term (by 2025)



Heavy snow

Medium-term (by 2050)



Coastal flood

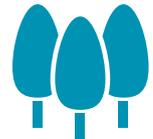
Top 3 assets / services affected by climate hazards



Water



Emergency services



Environment

Adaptation

Adaptation Plan

City of North Vancouver Climate Adaptation Plan | 2013

14
actions are being undertaken to reduce risk from climate hazards

Adaptation actions taken for the top climate hazards



Rain storm

Public preparedness (including practice exercises/drills)

The City's Emergency Management Office conducts outreach activities promoting personal emergency preparedness to increase the community's resilience during storm events. The City is developing an Integrated Stormwater Management Plan (ISMP) which combines land-use planning, environmental protection, and stormwater management to protect developed lands and natural habitat, while still allowing for long-term urban and economic development.



Heat wave

Energy efficiency and passive design

The City promotes passive design in new construction to minimize heat gain and has a dedicated street tree planting program aimed at reducing the urban heat island effect. The City's district energy system, Lonsdale Energy, is now incorporating cooling service to deal with increased cooling needs. The City also provides water park features for families with young children, particularly important features in a highly urbanized municipality. Furthermore, all of the City's natural forested areas are protected as parkland, offering cooler recreational areas and mitigating the urban heat island effect.

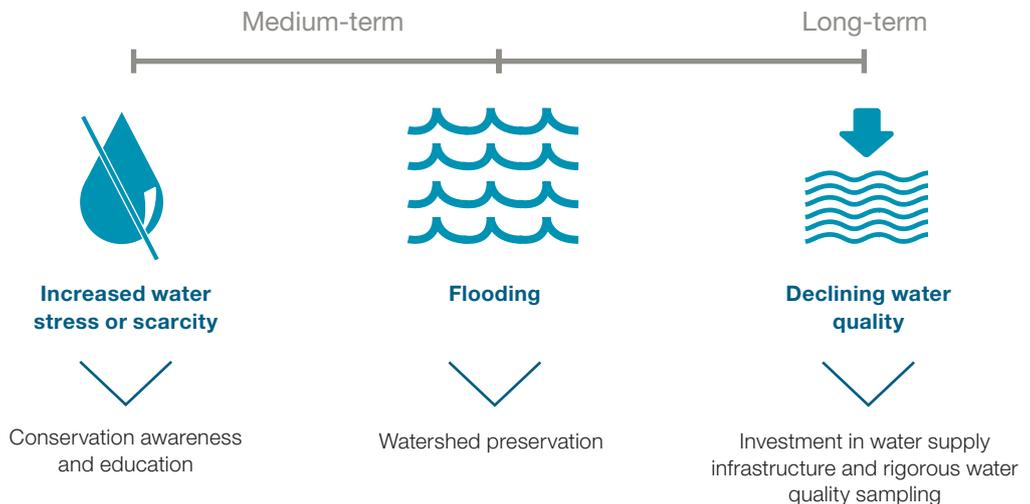


Heat wave

Community engagement/ education

This City is currently identifying populations and groups particularly vulnerable to each of the projected climate change impacts and establish a communication strategy to increase awareness, mitigation, and adaptation efforts, and to coordinate emergency response.

Adaptation actions taken to reduce water supply risks, by timescale

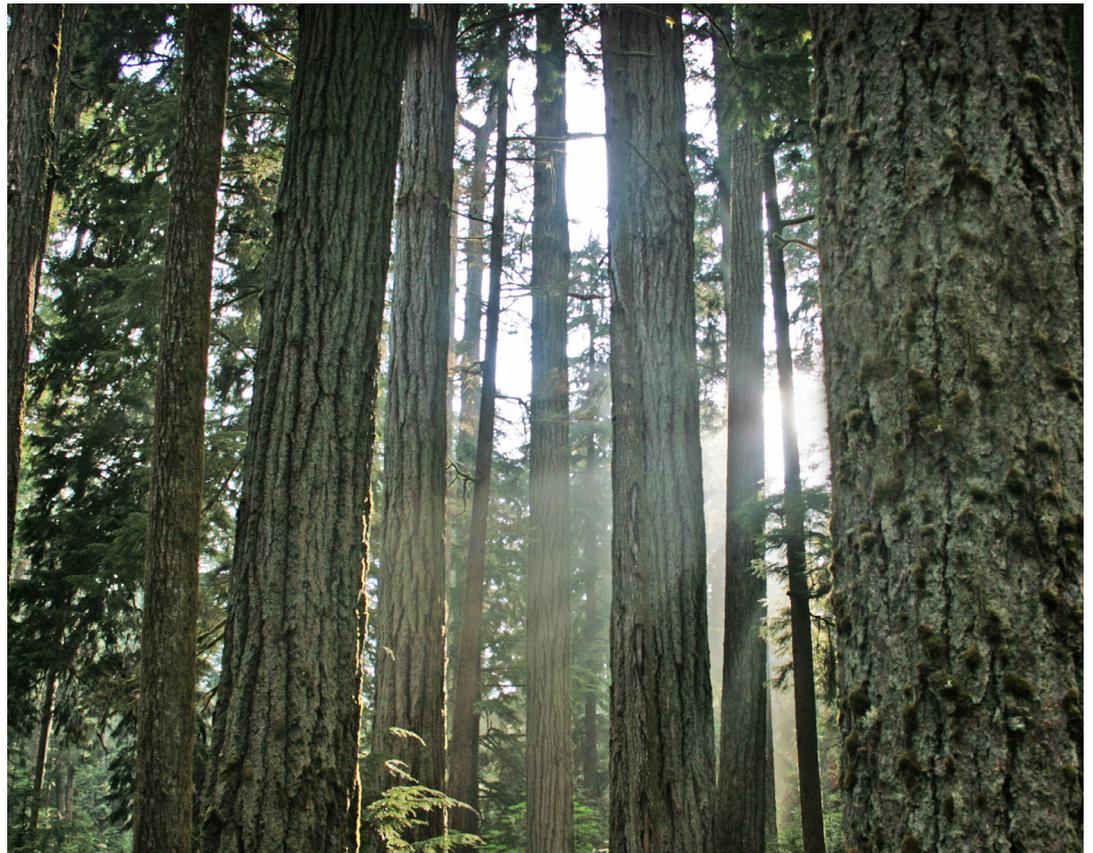


Economic opportunities

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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CDP Contacts

Paul Dickinson
Executive Chairman

Paul Simpson
Chief Executive Officer

Frances Way
Co-Chief Operating Officer

Sue Howells
Co-Chief Operating Officer

CDP's Cities Program

Conor Riffle
Director, Cities and Data
Product Innovation

Kyra Appleby
Head of Cities

Katie Walsh
Senior Manager,
North America

Andreia Banhe
Manager,
Latin America

Hanah Paik
Manager,
Asia Pacific

Chris Thorpe
Manager, Europe, Middle East
and Africa

Sara Telahoun
Senior Project Officer

Simeran Bachra
Data Analyst

Alice de Palma
Project Coordinator

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Mercer Investments

Jeremy Burke
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Kate Hampton
Children's Investment Fund
Foundation

Jeremy Smith
Disciple Media

Takejiro Sueyoshi

Martin Wise
Relpro

CDP Advisors

Lord Adair Turner

Rear Admiral Neil Morisetti CB

AECOM Team

Claire Bonham-Carter
Principal, Director of Sustainable
Development

Ben Smith
Principal, Director of Sustainable
Development

Christopher Pountney
Associate Director

Kelly Sharman
Senior Resource Studio
Manager

Nina Patel
Graphic Designer