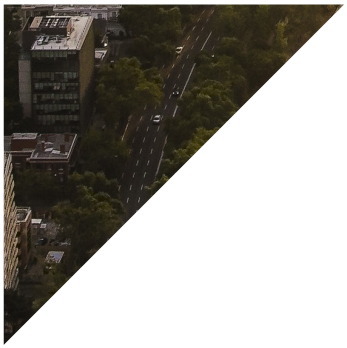
Municipalidad de Providencia

CDP Cities: InFocus Report | 2016



Providencia
2016 - 2020

Sponsored by: Bloomberg Philanthropies

Report analysis and information design for CDP by: AECOM

In partnership with: C40 CITIES

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 Municipalidad de Providencia as a climate leader. This document contains the questionnaire data provided to CDP from Municipalidad de Providencia as part of its 2016 CDP submission.

Municipalidad de Providencia, Chile

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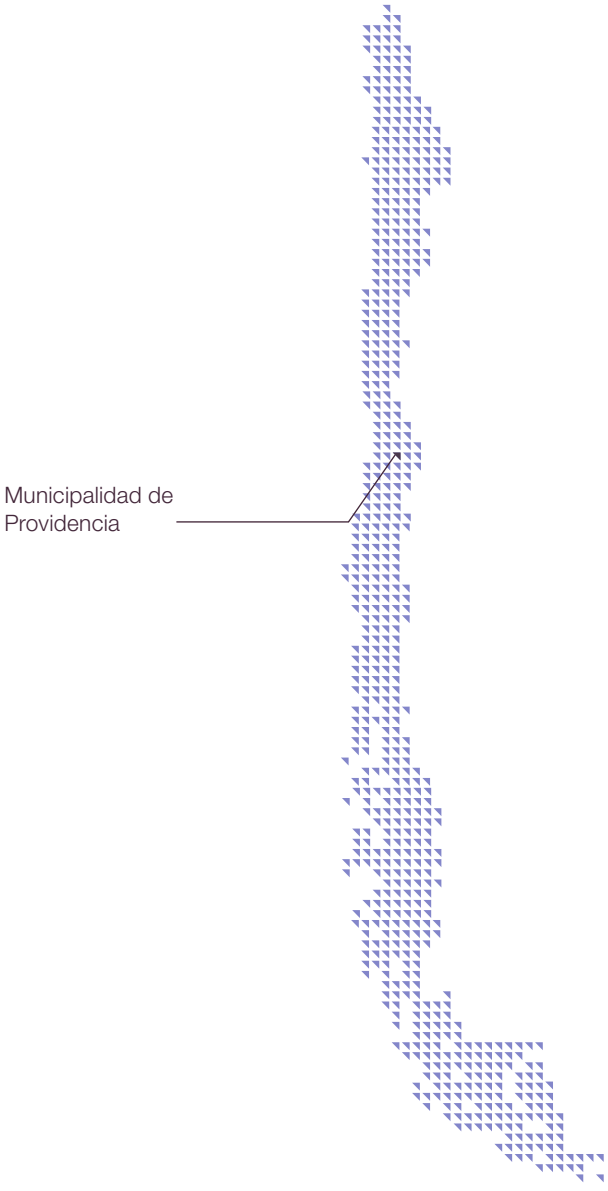
Year disclosing to CDP

Population

147,533



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

5

activities being undertaken to reduce emissions

Top 3 emissions reduction activities

Waste

Recyclables and organics separation from other waste

Reduction of 11,750 metric tonnes CO_2e

Outdoor lighting

LED / CFL / other luminaire technologies

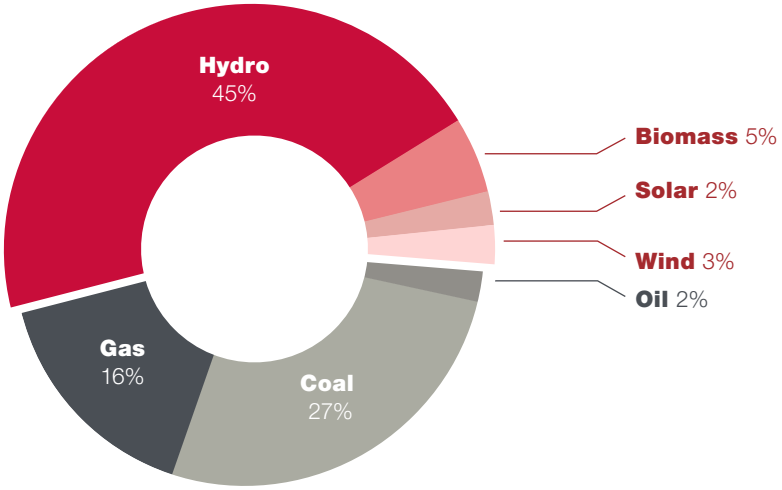
Reduction of 10,100 metric tonnes CO_2e

Buildings

On-site renewable energy generation

Reduction of 600 metric tonnes CO_2e

Energy mix



Chile had a climate change plan that covered the period between 2008 and 2012. Now the new climate action plan, that will cover between 2016-2021, is under participatory revision. The main climate change activities are related to Chile's Intended Nationally Determined Contributions presented at COP21 on Paris, mainly referring to intensity emissions reductions targets (30% CO_2/GDP Unit, with 2007 baseline). Providencia's Energy Strategy is aligned and even more ambitious than the national INDC, as it aims to reduce 50% emissions intensity by 2030.

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.

Vulnerability assessment

Plan de Cambio Climático de Providencia | 2015

Top 3 climate hazards by timescale

Current

Rain storm

Medium-term (by 2050)

Extreme hot days

Drought

Long-term (after 2051)

River flood

Landslide

Top 3 assets / services affected by climate hazards

Health and community

Commercial

Water

Adaptation

5

actions are being undertaken to reduce risk from climate hazards

Adaptation Plan

Plan Local de Cambio Climático de Providencia | 2015

Adaptation actions taken for the top climate hazards

Rain storm

Flood mapping

Extreme hot days

Tree planting and/or creation of green space

Drought

Promoting and incentivizing water efficiency

Adaptation actions taken to reduce water supply risks, by timescale

Current

Increased water stress or scarcity

Investment in existing water supply infrastructure

Climate change could threaten certain areas of business to operate successfully. Specifically, water supply under certain conditions and heavy rainfall events could affect transportation, business and also the residential sector, which has a direct impact on the commercial sector.

The local government has a community development plan that has sustainability as one of it's five pillars. This pillar aims to advance towards the achievement of local sustainable development in the main areas of administration: sustainable transportation and mobility, integrated waste management, sustainable energy planning and management and reduction of environmental impact of municipal operations.

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)
- Additional funding options
- Increased energy security
- Increased attention to other environmental concerns

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