

Cape Town

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

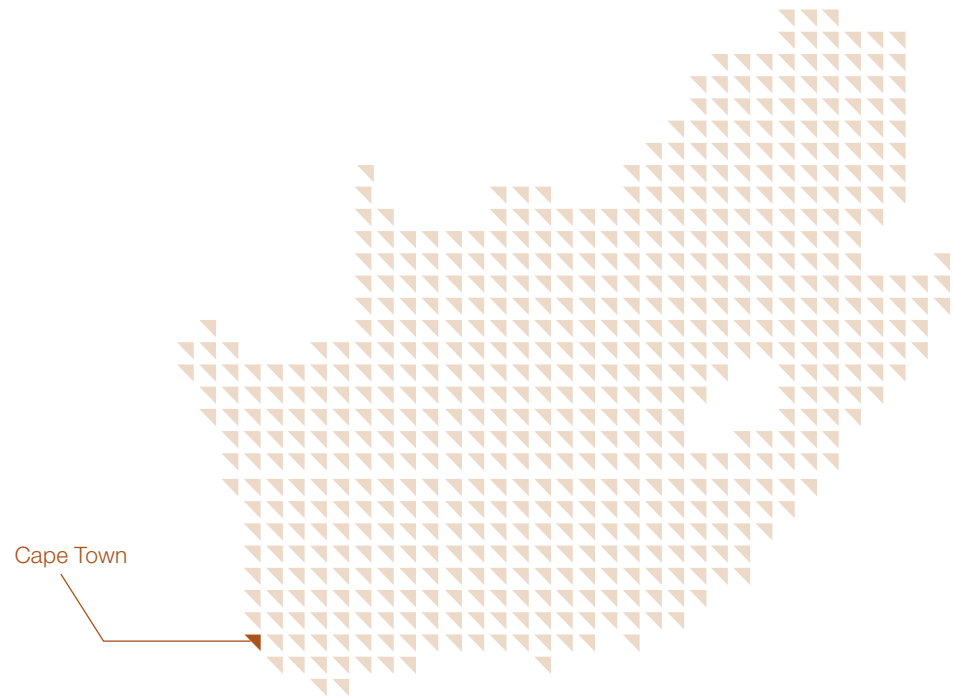
Cape Town, South Africa

4

Years disclosing to CDP

Population

3,918,830



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



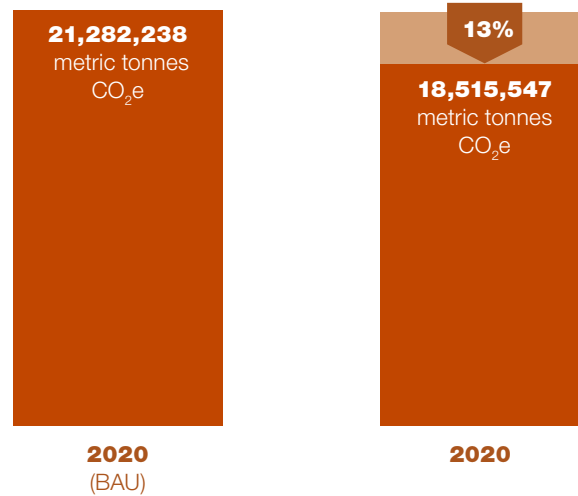
Mitigation

Climate Action Plan

Moving Mountains: Cape Town's Action Plan for Energy and Climate Change (currently being updated) | 2011

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

Total community emissions and business as usual target



8

activities being
undertaken to
reduce emissions

Top 3 emissions reduction activities



Energy supply

Low or zero carbon energy supply
generation



Buildings

On-site renewable energy
generation

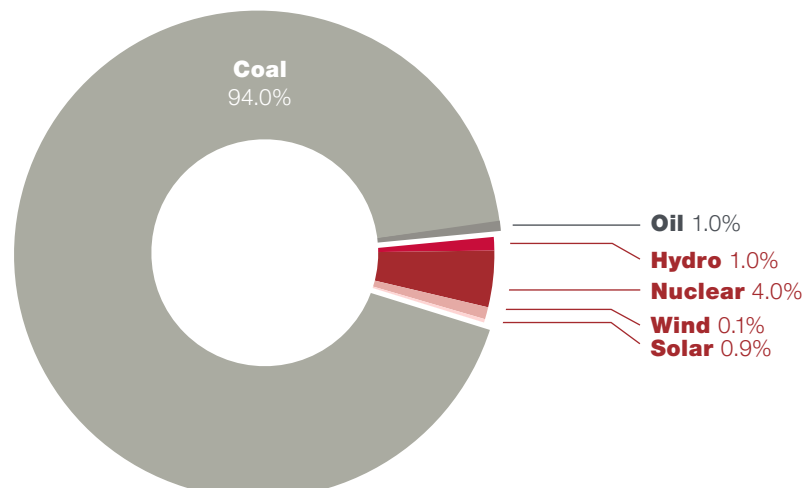


Waste

Landfill management

**By 2020 Cape Town
aims to source 10%
of its total electricity
from renewable
energy means**

Current energy sources used for electricity generation (national)



Climate hazards

Vulnerability assessment

Climate change and coastal process hazards disaster risk management plan | 2012

A comprehensive disaster risk assessment for the City of Cape Town (with climate change as a key risk) | 2007

Sea level rise assessments | 2008

Identification / mapping of informal settlements currently at risk of flooding | 2014

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



Drought



Heat wave



Land fire

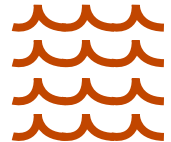
Short-term (by 2025)



Salt-water intrusion



Severe wind



Groundwater flood

Top 3 assets / services affected by climate hazards



Emergency services



Residential



Health and community

Adaptation

Adaptation Plan

Sectoral Climate Adaptation Plans of Action | 2011

12

actions are being undertaken to reduce risk from climate hazards

Adaptation actions taken for the top climate hazards



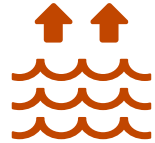
Drought

Water use restrictions and standards



Extreme hot days

Cooling centers, pools, water parks/plazas



Groundwater flood

Crisis management including warning and evacuation systems

Adaptation actions taken to reduce water supply risks, by timescale

Current



Increased water stress or scarcity



Water use restrictions

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)
- ▼ Increased energy security
- ▼ Additional funding options
- ▼ Improved efficiency of operations



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