100%

RENEWABLES

CITIES & REGIONS
NETWORK

ICLEI
Local Governments
for Sustainability

∞ **100%**
RENEWABLES

City of Vancouver, Canada

Target: 100% of the energy used in Vancouver is derived from renewable sources before 2050. Intermediate target of 55% energy used in Vancouver derived from renewable sources by 2030.

Key strategies: Vancouver is improving energy efficiency in buildings through green building policies, bylaws, plans, and design standards to complement incentives for building retrofits. The city is also investing in active transit infrastructure and building out the public electric vehicle charging network while increasing the number of solar panels on rooftops, heat pumps and building a low carbon Neighbourhood Energy Utility.

WHAT IS 100% RENEWABLE ENERGY?

"**Renewable energy** encompasses all renewable resources, including bioenergy, geothermal, hydropower, ocean, solar and wind energy. One hundred percent renewable energy means that all sources of energy to meet all end-use energy needs in a certain location, region or country are derived from renewable energy resources 24 hours per day, every day of the year. Renewable energy can either be produced locally to meet all local end-use energy needs (power, heating and cooling, and transport) or can be imported from outside of the region using supportive technologies and installations such as electrical grids, hydrogen or heated water. Any storage facilities to help balance the energy supply must also use energy derived only from renewable resources."

Towards 100% renewable energy: utilities in transition - IRENA Coalition for Action, 2020

All cities, towns and regions are urged to:

- Set targets towards 100% renewable energy
- Drive the uptake of renewable energy in their territories, paving the way to generate and use 100% renewable energy, especially in electricity, heating and cooling and transportation in the community and in government operations
- Employ ambitious energy efficiency measures
- Systematically replace fossil fuels and/or nuclear energy with renewable energy
- Give preference to local RE resources, where available
- Establish a participatory and people-centered approach
- Regularly monitor and report progress towards 100% renewable energy.

Increasingly, cities, towns and regions are setting their course towards 100% renewable energy and are demonstrating that it is possible to realize this vision and even go beyond.

6 REASONS FOR LOCAL AND REGIONAL GOVERNMENTS TO SET AMBITIOUS RENEWABLE ENERGY TARGETS:

- Secure energy supply and increase community resilience through local and decentralized energy production
- Reduce CO_2 emissions and contribute to climate protection
- Generate revenue from sales and export of renewable energy
- Reduce and avoid fossil fuel consumption, air pollution and associated health risks
- Create local jobs and stimulate the local economy through use of local resources
- Support the achievement of national and international targets.

*The **100% Renewables Cities and Regions Network** supports the **renewable energy transition** in cities, towns and regions around the globe. It addresses local and regional governments setting **100% renewable energy commitments** through **capacity building, peer learning** and **technical guidance**. The network is managed by ICLEI – Local Governments for Sustainability and is part of the Global 100% Renewable Energy Platform.*

BENEFITS OF ENGAGING IN THE 100% RENEWABLES CITIES AND REGIONS NETWORK:

- Networking, learning, cooperation opportunities with other leading governments
- Thematic guidance, workshops and support
- Access to renewable energy and energy efficiency experts
- Opportunity to globally promote local solutions and service providers
- Worldwide recognition of progress achieved locally
- Visibility and profiling of champion local and regional leaders at the global level
- Access to experiences of national, regional and municipal initiatives on 100% renewable energy
- Quick access to latest findings and reports.

Have large cities set 100% RE targets at community scale?

Yes, examples of such leading cities include Vancouver, New York, Sydney, Malmö, Frankfurt, Copenhagen, Stockholm, San Francisco, among others.

Pingtung County, Chinese Taipei

Target: Pingtung County aims to use 100% green energy for people's livelihood in the short term, with an installed capacity of about 1GW by the end of 2021.

Key strategies: In addition to developing the Disaster Prevention Microgrid, Pingtung County is also focusing on compound green energy development, mainly by installing solar energy on land that can no longer be used for agriculture or aquaculture. One example of this is in the Gaoshu township where Illegal gravel mining has depleted the land.

Is a 100% RE city or region automatically carbon-neutral or climate-neutral?

Not necessarily. The energy and transportation sectors are the largest greenhouse gas (GHG) emissions sources of many cities due to the combustion of fossil fuels. Eliminating the GHG emissions of these sectors is an important step for your city to become climate-neutral. However, there are other sources of GHG emissions such as land use change, industrial processes, and waste management practices. Therefore, being 100% RE is a key step but not enough to make your city or region climate-neutral.

CRITERIA TO JOIN THE NETWORK

In addition to being committed to engage, learn and/or share information on the process of achieving ambitious RE targets, **the city/region who joins the network should satisfy one of the following criteria:**

- Have become a signatory to ICLEI's **100% Renewables Cities and Regions Energy Compact.**
- Have **an existing 100% RE target(s)** and have in place a sound strategy to move towards achieving the targets and are making measurable progress.
- Have an existing 100% RE target, but no strategy or plan in place yet.
- Have **interest in establishing a 100% RE target**. This means actively driving uptake in renewables in at least one sector, especially in electricity, heating and cooling, and transport

YOUR REQUIREMENTS

- Report annualy on the CDP-ICLEI Unified reporting system (URS), providing updates (as a minimum in the Section 8 "Energy")
- Display the logo of the 100% Renewables Cities and Regions Network on your official website
- ICLEI has your permission to display your official logo and information on the the 100% Renewables Cities and Regions Network website

YOUR ROLE AS NETWORK PARTICIPANT

- Support best practices sharing and knowledge transfer based on your experience on the road towards 100%RE. This could be done by preparing case studies, take part in webinars and/or participating in peer-exchange sessions among others.
- Become a good practice example for other cities, towns and regions in the network
- Support promoting the network in your communication channels to show your commitment and leverage a movement for cities to join the initiative based on your example.

JOIN THE NETWORK

Joining the network is **FREE** of cost. Additional services may be offered at a fee.

To learn more and join the 100% Renewables Cities and Regions Network, please contact:

ICLEI – Local Governments for Sustainability

e-mail: 100re.network@iclei.org
https://100renetwork.iclei.org/

The Global 100% Renewable Energy Platform is the first global initiative that advocates 100% renewable energy (RE). It steers the global discourse on renewable energy towards 100% RE as the new normal. It was established to build on projects and activities already taking place on national, regional and local levels, helping to raise awareness and draw attention to these. The Platform was established as a non-governmental organization (NGO) by several other NGOs, research institutes and associations of renewable energy, it is a unique global alliance that stimulates cooperation.