

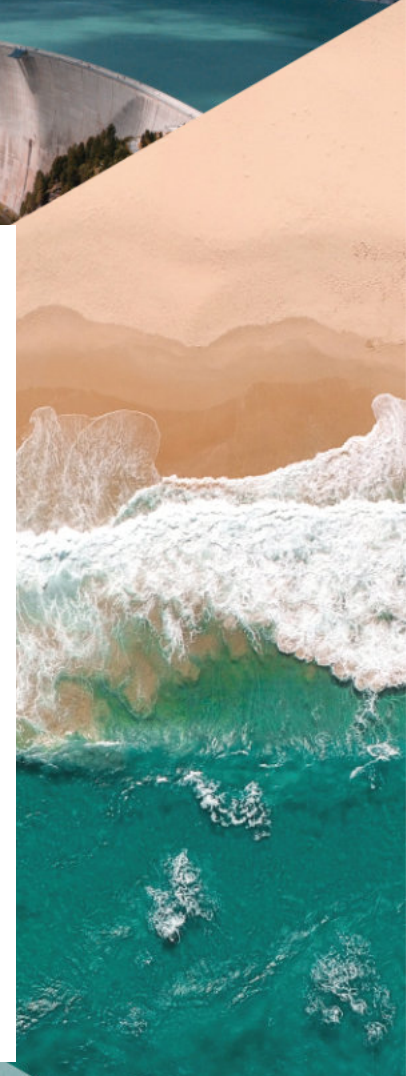


100%

RENEWABLES

CITIES & REGIONS

ENERGY COMPACT



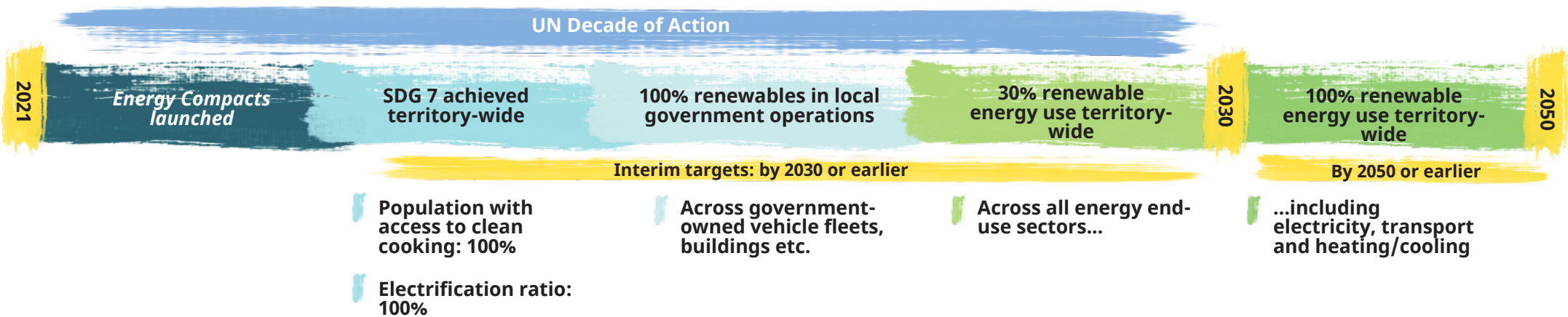


THE 100% RENEWABLES CITIES AND REGIONS ENERGY COMPACT

ICLEI's **100% Renewables Cities and Regions Energy Compact** seeks to mobilize cities and regions with the ambition to achieve **100% renewable energy across all energy end uses, territory-wide, by 2050 or earlier**. It also sets out a number of interim targets that signatories can voluntarily commit to achieve by 2030 or earlier.

By building a network of cities and regions interested in achieving 100% renewable energy in their territories, and connecting them with each other and UN-Energy's platform and resources, the 100% Renewables Energy Compact can enable the sharing of knowledge and best practices from local and regional governments across the globe.

WHAT TARGETS DO SIGNATORIES COMMIT TO ACHIEVING BY 2030 AND 2050?

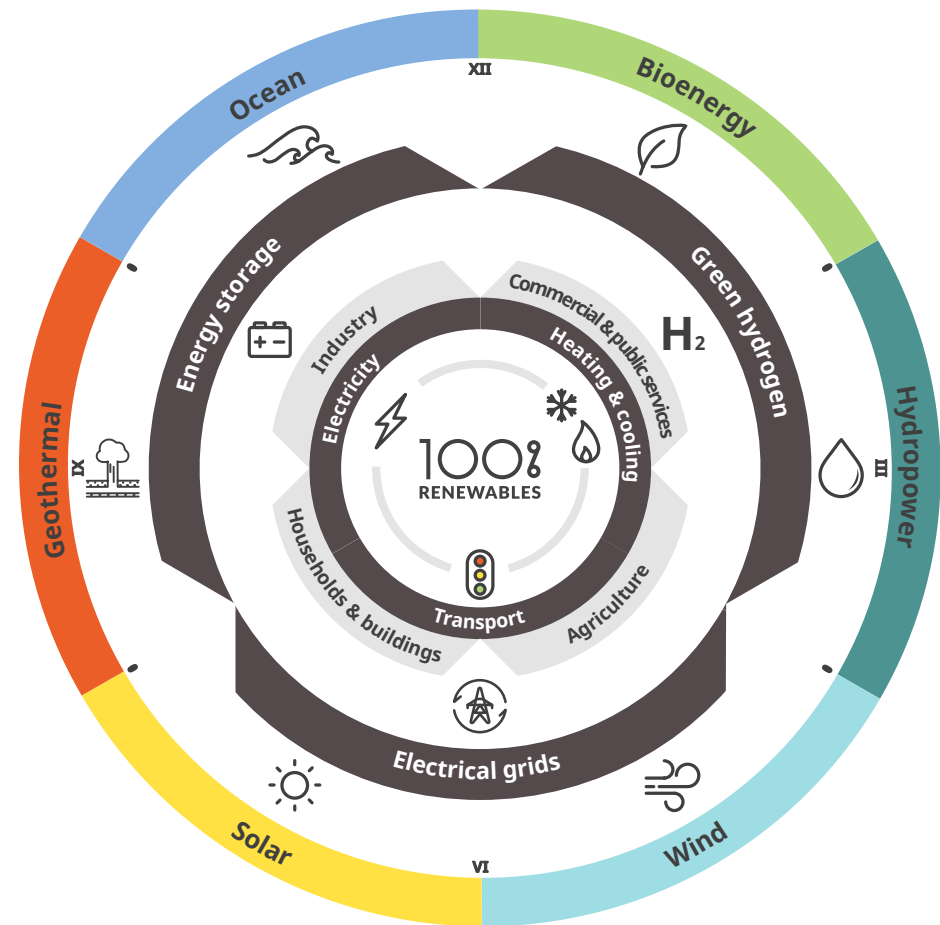


Under the framework of the **United Nations High-Level Dialogue on Energy**, **Energy Compacts** are voluntary commitments from Member States and all other stakeholders—such as companies, regional/local governments, NGOs and others—with the specific actions they will take to advance progress on achieving **SDG7** by 2030 and net zero emissions by 2050. They are designed to be fully in line with SDG Acceleration Actions and Nationally Determined Contributions under the **Paris Agreement**. UN-Energy will support the development, mobilization and monitoring of Energy Compacts throughout the entire cycle. Energy Compacts will continue to be mobilized and updated throughout the current **Decade of Action** to achieve the SDGs by 2030.





WHAT DOES IT MEAN TO ACHIEVE 100% RENEWABLE ENERGY STATUS?

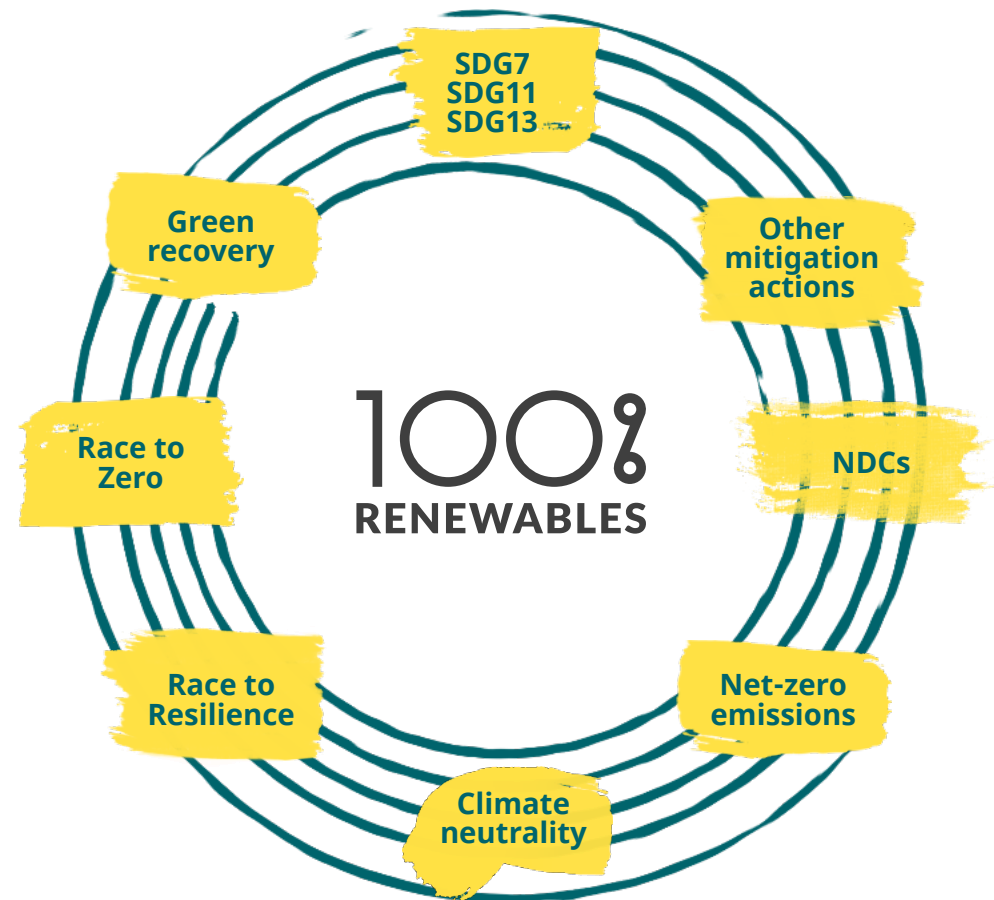


“Renewable energy encompasses all renewable resources, including **bioenergy, geothermal, hydropower, ocean, solar and wind energy**. One hundred percent renewable energy means that all sources of energy to meet all end-use energy needs **in a certain location, region or country** are derived from renewable 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.” *-IRENA Coalition for Action, 2020*





WHY AIM FOR 100% RENEWABLE ENERGY?



ICLEI's 100%RE Energy Compact also aims to align local ambition with actions set in motion at the national and international level, such as the **Nationally Determined Contributions (NDCs)** under the **Paris Agreement**, the **Sustainable Development Goals**, the **Cities Race to Zero** and the **Cities Race to Resilience** campaigns, and other initiatives, in order to mitigate the impact of the climate emergency and strengthen social, economic and ecological resilience in light of it. Transitioning towards 100% renewable status would be a key cornerstone on the way towards achieving various climate commitments, especially net-zero emissions and beyond.



ADVANTAGES OF JOINING THE 100% RENEWABLES ENERGY COMPACT


ICLEI can also support signatories in accessing UN-Energy's assistance in matching ambition with the resources necessary to achieve it, financial or otherwise. Signatories can benefit from ICLEI's support across its existing work in the renewable energy space. This support includes:

1. Planning, roadmaps and implementation mechanisms
2. Integration into climate and energy action plans and net-zero targets
3. Guidance to achieve climate neutrality with ICLEI's **Climate Neutrality Framework**
4. Policy recommendations
5. Vertical integration and multilevel governance for 100% renewables
6. Peer exchange with other leading cities
7. Training and knowledge products for technical and non-technical staff
8. Access to project preparation facility with technical and financial assistance through ICLEI's **Transformative Actions Program (TAP)**
9. Showcasing opportunities at the international level
10. Automatic eligibility to join the **100% Renewables Cities and Regions Network**

STREAMLINED PROGRESS MONITORING

Reporting will be conducted through the **CDP-ICLEI Unified Reporting System**, where signatories will be able to report annually on their progress on each of the targets.

Each interim target has an associated indicator in the CDP-ICLEI Unified Reporting System. ICLEI, as the focal point, will report its progress in an aggregated manner to **UN-Energy** in order to ease the reporting requirement for signatories.



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, and is open to local and regional governments with either an interest in establishing a 100% renewables target, an existing target for 100% renewables but no plan in place, or an existing target for 100% renewables with a sound strategy in place. Signatories of ICLEI's 100% Renewables Cities and Regions Energy Compact are **automatically eligible** to join the 100% Renewables Network.

IS 100% RENEWABLE ENERGY ALSO CARBON-FREE?

Yes, **renewable energy sources are also carbon-free**. However, some technologies can be carbon-free but not renewable e.g. nuclear energy. Carbon capture and storage can also enable the use of other energy sources, but is only considered an intermediate step under the definition of 100% renewable energy. Therefore, a 100% renewables-based electricity system can be considered carbon-free; however, a carbon-free electricity system may not always be based on 100% renewables.

HOW DOES PROGRESS REPORTING TAKE PLACE?

Interested local and regional governments can sign up to the **CDP-ICLEI Unified Reporting System** and fill out all relevant sections for the 100% Renewables Cities and Regions Energy Compact as indicated.

Interested local and regional governments can contact the ICLEI team at 100re.network@iclei.org to join the Energy Compact, or for more information.

Joining is free of cost, as is reporting on the CDP-ICLEI Unified Reporting System.

DOES 100% RENEWABLE ENERGY REQUIRE A 100% RENEWABLE ELECTRICITY SYSTEM?

Yes, but it does not stop there. The goal of 100% renewable energy calls for the use of various measures such as greater **electrification** of end uses, **energy efficiency** and **conservation** efforts in addition to **renewable energy**, to allow for meeting all end-use energy demand in a region with renewables. For this, it is essential to have an electricity supply that is fully renewables-based through a combination of sources and storage technologies. 100% renewable energy also calls for shifting sectors traditionally reliant on fossil fuels towards renewable energy through the above mechanisms.

CAN SIGNATORIES JOIN OTHER ENERGY COMPACTS?

There are no restrictions on signatories regarding other Energy Compacts. Signatories are free to join other Energy Compacts, as well as put forward their own Energy Compacts with in order to gain greater visibility for their ambition.





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ROADMAP



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