



100% Renewables Cities and Regions Energy Compact ICLEI – Local Governments for Sustainability

A next Decade Action Agenda to advance SDG7 on sustainable energy for all, in line with the goals of the Paris Agreement on Climate Change

SECTION 1: AMBITION

1.1. Ambitions in support of SDG7 by 2030 and net-zero emissions by 2050. *[Please describe below e.g., coal phase out or reforming fossil fuel subsidies etc.]*

Target(s): **Achieve 100% renewable energy status [i]**

Time frame: **At the latest by 2050**

Context for the ambition(s): The target of 100% renewable energy (RE) is aligned with SDG7 in terms of providing access to clean, affordable, reliable, sustainable and modern energy. Most RE sources are low-to-zero carbon, have low-to-zero GHG emissions and emit very few pollutants compared to fossil-fuel-based sources. The costs of RE generation have fallen drastically, and they can be deployed in a decentralized manner, contributing to the goal of improving energy access, energy security and energy resilience. Reaching 100% RE in all the end-use sectors is also a key stepping stone towards achieving net-zero emissions (across transport, electricity and heating/cooling sectors).

Target(s): **Implement at least one climate mitigation action annually [ii]**

Time frame: **Annually beginning from 2022**

Context for the ambition(s): Climate mitigation actions can contribute towards achieving 100% RE as well as net-zero emissions. Some mitigation actions are directly linked to SDG7 as we transition from fossil fuels to renewable, cleaner and more modern sources of energy. Mitigation actions are also complementary to achieving 100% RE, for example energy efficiency measures can facilitate the shift towards RE by reducing overall energy demand.

1.2. Other ambitions to achieve SDG7 by 2030. *[Please select all that apply, and make sure to state the baseline of each target]*

(Member States targets could be based on their NDCs, energy policies, national five-year plans etc. targets for companies/organizations could be based on their corporate strategy)

7.1. By 2030, ensure universal access to affordable, reliable and modern energy services.

Target(s): **Achieve SDG7 community-wide within the signatory’s jurisdiction boundary, which calls for ensuring access to affordable, reliable, sustainable and modern energy for all [iii]**

Time frame: **At the latest by 2030**

Context for the ambition(s): SDG7 can be achieved on the path towards 100% renewable energy (RE). The target of 100% RE is aligned with SDG7 in terms of providing access to clean, affordable, reliable, sustainable and modern energy. Most RE sources are low-to-zero carbon, have low-to-zero GHG emissions and emit very few pollutants compared to fossil-fuel-based sources. The costs of RE generation have fallen drastically, and they can be deployed in a decentralized manner, contributing to the goal of improving energy access, energy security and energy resilience.

<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	<p>Target(s): Increase the share of renewables to at least 30% of total energy consumption community-wide within the signatory's jurisdiction boundary [iv] Time frame: At the latest by 2030 Context for the ambition(s): Local and regional governments play an integral part in implementing local climate and energy action and provide the foundation for an increased level of ambition for national climate goals. Reducing the reliance on fossil fuels across sectors such as transport, power and heating/cooling is the key, encouraging the shift towards renewable energy. The target of 100% RE would contribute significantly towards achieving the SDGs by 2030, especially SDG7, and also contribute towards fulfilling SDG11 and SDG13 by providing cleaner environments and greater opportunities for local populations. Renewable energy is also a stepping stone towards enhanced climate action, in line with the Nationally Determined Contributions (NDCs) made by national governments under the Paris Agreement, as well the Race to Zero campaign with the goal of halving emissions by 2030, on the way to net-zero by 2050.</p>
	<p>Target(s): Total energy consumption in all local government operations within the signatory's jurisdiction boundary to be supplied by 100% renewable energy [v] Time frame: At the latest by 2030 Context for the ambition(s): Local and regional governments play an integral part in implementing local climate and energy action and provide the foundation for an increased level of ambition for national climate goals. Reducing the reliance on fossil fuels across sectors such as transport, power and heating/cooling is the key, encouraging the shift towards renewable energy. The target of 100% RE would contribute significantly towards achieving the SDGs by 2030, especially SDG7, and also contribute towards fulfilling SDG11 and SDG13 by providing cleaner environments and greater opportunities for local populations. Renewable energy is also a stepping stone towards enhanced climate action, in line with the Nationally Determined Contributions (NDCs) made by national governments under the Paris Agreement. Local government operations include all assets owned by the government, including buildings and transport fleets.</p>
<input type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.	<p>Target(s): Time frame: Context for the ambition(s):</p>
<input type="checkbox"/> 7.a. By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.	<p>Target(s): Time frame: Context for the ambition(s):</p>
<input type="checkbox"/> 7.b. By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programs of support.	<p>Target(s): Time frame: Context for the ambition(s):</p>

SECTION 2: ACTIONS TO ACHIEVE THE AMBITION

2.1. Please add at least one key action for each of the elaborated ambition(s) from section 1. *[Please add rows as needed].*

<p><i>Description of action [i]</i></p> <ul style="list-style-type: none"> ● Increase the uptake of renewable energy in all the end-use sectors to reach 100% renewable status at the latest by 2050. One hundred percent renewable energy means that all sources of energy to meet end-use energy needs in a certain location, region or country are derived from renewable energy sources 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). 	<p><i>Start and end date</i> At the latest by 2050</p>
<p><i>Description of action [ii]</i></p> <ul style="list-style-type: none"> ● The implementation of at least one climate mitigation action annually across one or several sectors meant to reduce total GHG emissions within the signatory's jurisdiction boundary. These actions can include, but are not limited to, improved fuel economy for motor vehicles, the development of smart grids, building retrofitting/energy efficiency measures. A full list of actions can be found in Appendix D of the CDP-ICLEI Unified Reporting System guidance. 	<p><i>Start and end date</i> Annually from 2022 onwards</p>
<p><i>Description of action [iii]</i></p> <ul style="list-style-type: none"> ● Achieving SDG7 community-wide within the signatory's jurisdiction boundary by increasing the electrification ratio within the boundary, and increasing the percentage of the population within the boundary with access to clean cooking. 	<p><i>Start and end date</i> 2022-2030</p>
<p><i>Description of action [iv]</i></p> <ul style="list-style-type: none"> ● Increase the share of renewables in total energy consumption across all sectors within a signatory's jurisdiction boundary, including transport, heating/cooling and electricity. This can be sourced from within or outside the signatory's jurisdiction boundary. The interim target is for at least 30% at the latest by 2030, in the transition towards 100% RE status at the latest by 2050. 	<p><i>Start and end date</i> 2022-2030</p>
<p><i>Description of action [v]</i></p> <ul style="list-style-type: none"> ● Ensure that all end-uses in government operations (including buildings, transport fleets etc.) are supplied by 100% renewable energy, which would set the foundation and commitment for further action towards achieving 100% RE community-wide in the signatory's jurisdiction boundary. 	<p><i>Start and end date</i> 2022-2030</p>

SECTION 3: OUTCOMES

3.1. Please add at least one measurable and time-based outcome for **each** of the actions from section 2. *[Please add rows as needed].*

<p>Outcome: All progress will be reported to ICLEI by signatories through the CDP-ICLEI Unified Reporting System</p> <p>Action [i]</p> <ul style="list-style-type: none"> • Share of renewable energy in total energy consumption (%) • RE generation capacity within the signatory's jurisdiction boundary given in MW/year <p>Action [ii]</p> <ul style="list-style-type: none"> • The number of climate mitigation actions (quantity/year) <p>Action [iii]</p> <ul style="list-style-type: none"> • The electrification ratio (%) • Local population that has access to clean cooking (%) <p>Action [iv]</p> <ul style="list-style-type: none"> • Share of renewable energy in total energy consumption (%) <p>Action [v]</p> <ul style="list-style-type: none"> • Renewable energy use in local government operations (%) 	<p>Date</p> <p>[i] 100% at the latest by 2050 No fixed target; for indicative purposes</p> <p>[ii] At least one action implemented annually from 2022 onwards</p> <p>[iii] 100% at the latest by 2030 100% at the latest by 2030</p> <p>[iv] Interim target: At least 30% at the latest by 2030</p> <p>[v] 100% at the latest by 2030</p>
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SECTION 4: REQUIRED RESOURCES AND SUPPORT

4.1. Please specify required finance and investments for **each** of the actions in section 2.

Signatories will require technical and financial assistance in order to develop and implement bankable renewable energy projects within their jurisdiction boundaries. This can be addressed by connecting signatories with various interested parties/partners such as project preparation facilities (PPFs), donor agencies, multilateral development banks (MDBs), international financial institutions (IFIs), microfinance institutions (MFIs), impact investors, private sector debt and equity investors, etc.

4.2. [For countries only] In case support is required for the actions in section 2, please select from below and describe the required support and specify for which action.

[Examples of support for Member States could include: Access to low-cost affordable debt through strategic de-risking instruments, capacity building in data collection; development of integrated energy plans and energy transition pathways; technical assistance, etc.]

<input type="checkbox"/> Financing	Description
<input type="checkbox"/> In-Kind contribution	Description
<input type="checkbox"/> Technical Support	Description
<input type="checkbox"/> Other/Please specify	Description

SECTION 5: IMPACT

5.1. Countries planned for implementation including number of people potentially impacted.

All cities, towns and regions that are a part of **ICLEI's global network** of local and regional governments are eligible. It is also open to other cities, towns and regions who are interested in becoming a part of ICLEI's global network.

Signatories' local populations will benefit directly, as well as populations in neighboring cities, towns and regions indirectly through spillover benefits. Initially, the targets set out in this Compact are likely to impact the populations of the local governments involved in ICLEI's existing initiatives i.e. the 100% Renewables Cities and Regions Network, and Roadmap project, which at this stage account for over 10,000,000 people. With additional signatories, this number is likely to increase further.

5.2. Alignment with the 2030 Agenda for Sustainable Development – Please describe how **each** of the actions from section 2 impact advancing the SDGs by 2030.

[up to 500 words, please upload supporting strategy documents as needed]

Most RE sources are low-to-zero carbon, have low-to-zero GHG emissions and emit very few pollutants compared to fossil-fuel-based sources. The costs of RE generation have fallen drastically, and they can be deployed in a decentralized manner, contributing to the goal of improving energy access, energy security and energy resilience. Achieving 100% RE does not only contribute towards SDG7 but also contributes to SDG11 and SDG13 through associated benefits including reduced pollution, reduced emissions and reduced waste for local communities, and cities. Renewable sources can enhance the resilience of local (including urban) energy systems and provide modern energy services to underserved communities, while reducing the overall reliance of the energy system on GHG-intensive sources.

Each of the actions above [i, ii, iii, iv and v] contribute to SDG 7, 11 and 13 in some way or the other, with spillover benefits for other SDGs as well. Actions i, iii, iv and v contribute most directly to SDG 7 by providing access to affordable, reliable and modern energy and enabling the transition away from GHG-intensive fossil fuels towards renewable sources of energy. In this way, they also contribute towards climate action (SDG 13), whereas Action ii is more directly linked to this SDG. Given that the scope of implementation for each of the actions is at the local or regional level, they also contribute to SDG 11 by leading to the development of an energy system that is cleaner, safer and more resilient.

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how **each** of the actions from section 2 align with the Paris Agreement and national NDCs (if applicable) and support the net-zero emissions by 2050.

[up to 500 words, please upload supporting strategy documents as needed]

Local and regional governments play an integral part in implementing local climate and energy action and provide the foundation for an increased level of ambition for national climate goals. Although the various NDCs outlined in the Paris Agreement were set at a national-level, governments at local and regional levels are best-positioned to act on these commitments and implement the measures necessary to achieve them, and to set even more ambitious targets. Actions i, ii, iii, iv and iv are all in line with the Paris Agreement, and are major stepping stones towards net-zero emissions.

Increasing the share of RE in final energy consumption will go a long way in reducing total emissions by shifting away from GHG-intensive fossil fuels towards low-to-zero carbon sources of energy. Undertaking this transition across the power, transport and heating/cooling sectors will greatly advance the achievement of NDCs. As these sectors are major sources of GHG emissions, eliminating or drastically reducing emissions from these sectors will also be key in facilitating the goal of reaching net-zero emissions. Achieving 100% RE will also therefore enable meeting the targets laid out in the Race to Zero campaign of halving emissions by 2030, on the way to net-zero by 2050.

SECTION 6: MONITORING AND REPORTING

6.1. Please describe how you intend to track the progress of the proposed outcomes in section 3. Please also describe if you intend to use other existing reporting frameworks to track progress on the proposed outcomes.

Under the framework of the United Nations' Energy Compacts, to enable achievement and tracking of this Energy Compact, ICLEI would share the progress of the signatories collectively in an aggregated and summarized form based on the indicators mentioned, with UN-Energy on an annual basis. The progress reported by ICLEI will use data reported by the signatories on the CDP-ICLEI Unified Reporting System. Data on individual signatories will not be reported to UN-Energy.

SECTION 7: GUIDING PRINCIPLES CHECKLIST

Please use the checklist below to validate that the proposed Energy Compact is aligned with the guiding principles.

I. Stepping up ambition and accelerating action - Increase contribution of and accelerate the implementation of the SDG7 targets in support of the 2030 Agenda for Sustainable Development for Paris Agreement

I. 1. Does the Energy Compact strengthen and/or add a target, commitment, policy, action related to SDG7 and its linkages to the other SDGs that results in a higher cumulative impact compared to existing frameworks?

Yes No

I.2. Does the Energy Compact increase the geographical and/or sectoral coverage of SDG7 related efforts? Yes No

I.3. Does the Energy Compact consider inclusion of key priority issues towards achieving SDG7 by 2030 and the net-zero emission goal of the Paris Agreement by 2050 - as defined by latest global analysis and data including the outcome of the Technical Working Groups? Yes No

II. Alignment with the 2030 agenda on Sustainable Development Goals – Ensure coherence and alignment with SDG implementation plans and strategies by 2030 as well as national development plans and priorities.

II.1. Has the Energy Compact considered enabling actions of SDG7 to reach the other sustainable development goals by 2030? Yes No

II.2. Does the Energy Compact align with national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps? Yes No

II.3. Has the Energy Compact considered a timeframe in line with the Decade of Action? Yes No

III. Alignment with Paris Agreement and net-zero by 2050 - Ensure coherence and alignment with the Nationally Determined Contributions, long term net zero emission strategies.

III.1. Has the Energy Compact considered a timeframe in line with the net-zero goal of the Paris Agreement by 2050? Yes No

III.2. Has the Energy Compact considered energy-related targets and information in the updated/enhanced NDCs? Yes No

III.3. Has the Energy Compact considered alignment with reaching the net-zero emissions goal set by many countries by 2050? Yes No

IV. Leaving no one behind, strengthening inclusion, interlinkages, and synergies - Enabling the achievement of SDGs and just transition by reflecting interlinkages with other SDGs.

IV.1. Does the Energy Compact include socio-economic impacts of measures being considered? Yes No

IV.2. Does the Energy Compact identify steps towards an inclusive, just energy transition? Yes No

IV.3. Does the Energy Compact consider measures that address the needs of the most vulnerable groups (e.g. those impacted the most by energy transitions, lack of energy access)? Yes No

V. Feasibility and Robustness - Commitments and measures are technically sound, feasible, and verifiable based a set of objectives with specific performance indicators, baselines, targets and data sources as needed.

V.1. Is the information included in the Energy Compact based on updated quality data and sectoral assessments, with clear and transparent methodologies related to the proposed measures? Yes No

V.2. Has the Energy Compact considered inclusion of a set of SMART (specific, measurable, achievable, resource-based and time based) objectives? Yes No

V.3. Has the Energy Compact considered issues related to means of implementation to ensure feasibility of measures proposed (e.g. cost and financing strategy, technical assistant needs and partnerships, policy and regulatory gaps, data and technology)? Yes No

SECTION 8: ENERGY COMPACT GENERAL INFORMATION

8.1. Title/name of the Energy Compact

100% Renewables Cities and Regions Energy Compact

8.2. Lead entity name (for joint Energy Compacts please list all parties and include, in parenthesis, its entity type, using entity type from below)

ICLEI – Local Governments for Sustainability (World Secretariat)

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization/Youth

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

Contact person(s): Rohit Sen, Laura Noriega, Kanak Gokarn

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8.5. Please select the geographical coverage of the Energy Compact

Africa Asia and Pacific Europe Latin America and Caribbean North America West Asia Global

8.6. Please select the Energy Compact thematic focus area(s)

Energy Access Energy Transition Enabling SDGs through inclusive just Energy Transitions Innovation, Technology and Data Finance and Investment.

SECTION 9: ADDITIONAL INFORMATION (IF REQUIRED)

Please provide additional website link(s) on your Energy Compact, which may contain relevant key documents, photos, short video clips etc.