



SDG7 Energy Compact of UN-HABITAT

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 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/organisations could be based on their corporate strategy)

<input checked="" type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable and modern energy services.	<p>Target(s):</p> <ul style="list-style-type: none"> Facilitate local governments in at least 10 countries in Sub-Saharan Africa to undertake policy dialogues on universal access to energy services including electricity and clean cooking solutions Facilitate capacity building for local governments to at least 10 countries in Sub-Saharan Africa on investments to support universal access to energy services through supporting them with preparing project proposals and matchmaking events Develop an online urban energy academy to provide training on sustainable urban energy solutions for local governments and other stakeholders. <p>Time frame: September 2022 – December 2030</p> <p>Context for the ambition(s):</p> <p>Globally, around 760 million people are still lacking access to electricity, and the majority of these (570 million) are in sub-Saharan Africa (SSA). Out of these, 116 million are living in urban areas (97 million urban people in SSA are lacking access to electricity). More than 50 percent of the global population is living in cities, and 60 percent of these live in informal settlements with poor access to basic infrastructure including energy (electricity and modern cooking fuel). Electricity access in urban areas needs to consider affordability, connection legality, reliability, supply quality, and health and safety issues. Globally 2.6 billion people are still lacking access to clean cooking energy technology. Out of these 658 million are urban population, of which 293 million live in SSA.</p>
<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	<p>Target(s):</p> <ul style="list-style-type: none"> Support local municipalities in at least 10 countries in Sub-Saharan Africa in developing new projects and accessing financing for the decentralised renewable energy projects. Demonstrate productive use of renewable energy through implementation of Multifunctional Clean Energy Centres in at least 10 countries in sub-Saharan Africa Promote the use of waste to energy and resource recovery from waste as a solution to address municipal waste management in at least 100 municipalities globally and support the establishment of at least ten fully functioning systems. <p>Time frame: September 2022 – December 2030</p> <p>Context for the ambition(s):</p> <p>Despite the on-going global efforts to promote renewable energy, its penetration remains low, accounting only for 17 percent of the total final energy consumption. Sub-Saharan Africa leads by the fact that 67.7 percent of their total final energy consumption comes from renewable sources – mainly hydropower and biomass. However, biomass is used unsustainably, and hydropower is threatened by climate change. Installed renewable energy capacity (Watts per capita) is still on the lower side: Globally 219 Watts per capita; Sub-Saharan Africa is the lowest with only 34 Watts installed per capita.</p>

	<p>This compact aims at promoting the scaling up of renewable energy penetration by facilitating the construction of at least 500MW renewable energy installed capacities.</p> <p>UN-Habitat will work with partners to promote decentralised energy solutions in urban settings such as solar rooftops for commercial and institutional applications; waste to energy plants; wind farms in peri-urban areas; integration of renewable energy technologies in the housing and urban transport sector; and large-scale renewable energy power generation at municipality levels.</p>
<p><input checked="" type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.</p>	<p>Target(s):</p> <ul style="list-style-type: none"> • Support up to 10 countries in sub-Saharan Africa to review adopt energy efficiency building codes, regulations and standards. This is expected to improve the energy efficiency to the tune of 30 percent. • Support at least 15 national green building councils globally through capacity development programmes (tools and trainings); awareness campaigns and advocacy. • In at least 20 countries in Africa, promote the integration of net zero carbon architecture strategies into national social housing programmes <p>Time frame: September 2022 – December 2030</p> <p>Context for the ambition(s): Energy efficiency contributes substantially to the reduction of energy consumption and ultimately the need to operate large power generation systems. This is one of efficient means of managing the demand side of the energy supply chain. UN-Habitat has supported the East African region with creation of necessary tools to support the energy efficiency in the building sector. Globally, especially in the developing world, most times this is not given the priority it deserves. Under this compact, UN-Habitat is committed to continue interventions in promoting energy efficiency in the building and urban mobility sector through supporting municipalities to establish and adopt necessary tools such as building codes of practices to embrace energy efficiency measures, in particular targeting Africa region, by expanding the programme implemented in East Africa into other regions of sub-Saharan African.</p>
<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>	<p>Target(s):</p> <p>Time frame:</p> <p>Context for the ambition(s):</p>
<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>	<p>Target(s):</p> <p>Time frame:</p> <p>Context for the ambition(s):</p>
<p>1.2. Other 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.]</p>	
<p>Target(s):</p> <p>Time frame:</p> <p>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].*

<i>Description of action (please specify for which ambition from Section 1)</i>	<i>Start and end date</i>
<p><u>Scaling Up Electricity Access</u></p> <ul style="list-style-type: none"> • Work closely to assist cities to adopt energy related climate resilient measures under the auspices of the Global Covenant of Mayors (GCoM) for Climate and Energy which is the world's largest alliance for city climate leadership. • Build necessary capacity for the governments and municipalities to create a conducive environment for electricity access to the urban poor communities, through policy and regulatory reviews. • Work with governments to undertake necessary studies to be able to bridge the electricity access gap among urban populations • Foster strategic partnerships with stakeholders in the auspice of energy access interventions including the United Nations, Development Partners and Private Sector. <p><u>Scaling Up Clean Cooking Solutions</u></p> <ul style="list-style-type: none"> • Awareness creation and capacity build of municipalities to undertake clean cooking solutions in urban settings targeting pro-poor communities while ensuring women are empowered to participate in the clean cooking transition agenda. This will be done in the form of participating to conferences, demonstration of solutions, involved in outreach activities such as media and in conferences as well as community of practices. • Assist governments to come up with strategies for clean cooking solutions as a cross cutting issue. • Assist governments to solicit financing for implementation of the clean cooking solutions. This will be done through engaging in resource mobilisation, project formulation and implementation to support clean cooking programmes. • Foster strategic partnerships with stakeholders including within the United Nations community, private sector, and financial institutions 	<p><i>September 2022 – December 2030</i></p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p> <p><u>Scaling Up Renewable Energy Investments</u></p> <ul style="list-style-type: none"> • Build necessary capacity for the governments and municipalities to plan for their own power generation from renewable resources. This will also include the use of urban wastes to energy, supporting the waste management aspect. • Work with governments to create an enabling environment for private sector participation in decentralised renewable energy generation at municipality levels. • Work with governments to undertake necessary studies to undertake potential renewable resources for power generation. • Foster strategic partnerships with stakeholders in the auspice of energy access interventions including the UN, development partners, private sector and other strategic partners. • Embrace south-south technology transfer. • Support local governments with energy and climate change action planning. 	<p><i>September 2022 – December 2030</i></p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p> <p><u>Promoting Energy Efficiency Measures</u></p> <ul style="list-style-type: none"> • Build necessary capacity for the governments and municipalities to create a conducive environment for energy efficiency measures through creation of policy and regulatory framework in support of intervention in the building and transport sector. • Assist governments to establish and operationalize the necessary tools such as energy building codes and adopt energy performance standard or rating systems for all new buildings and appliances. • Assist countries to uphold sustainable urban planning and green building strategies should be promoted as low carbon tools. • Foster strategic partnerships with stakeholders in the auspice of energy access interventions including the UN, development partners and private sector. • Embrace south-south technology transfer. 	<p><i>September 2022 – December 2030</i></p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p>	<p><i>Start and end date</i></p> <p><i>September 2022 – December 2030</i></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].*

<i>Outcomes</i>	<i>Date</i>
<p>Energy access – in country capacity built and programs developed to enhance countries to develop plans and strategies for acceleration of clean and affordable energy access (electricity and cooking solutions).</p> <p>Renewable energy – pipeline projects for investments on renewable energy sources for power generation and increased share of renewable energy generation in countries' energy mix, especially decentralised energy systems thus improving energy security, affordability and income to the local authorities and other investors.</p> <p>Energy efficiency – increased adoption of the energy efficiency plans and strategies in countries, and operationalisation of the energy efficiency measures in African countries.</p>	December 2030

SECTION 4: REQUIRED RESOURCES AND SUPPORT

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

The estimated total budgetary requirement for the support of the interventions in this compact is estimated at USD 500 million. This covers demonstration of the solutions, de-risking upscaling investment and technical assistance components.

Scaling Up Electricity Access: USD 100 M
Scaling Up Clean Cooking Solutions: USD 50 M
Scaling Up Renewable Energy Investments: USD 300 M
Promoting Energy Efficiency Measures: USD 50 M

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

SECTION 5: IMPACT

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

The compact strategy is envisaged to impact up to 50 million people in sub-Saharan Africa through empowering local governments to enhance sustainable energy access, increased renewable energy investments and energy efficiency measures. The impacts will be on creation of green jobs, enhanced healthy environment and creation of just and equitable social development. The greater impact is expected to benefit women and youths through improved environment for jobs and access to clean cooking energy solutions.

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]

The three actions on supporting increased Energy access, Renewable energy and Energy efficiency of this strategy builds on the Secretary General's Global Roadmap for Accelerated SDG 7 Action in Support of the 2030 Agenda for Sustainable Development and the Paris Agreement on Climate Change. The roadmap provides targets and actions to be achieved by 2025 as intermediary actions towards achieving 2030 objectives. It calls for: fossil fuel consumption subsidies to be re-directed towards renewable energy and energy efficiency; a 100% increase in modern renewables capacity globally; a doubling of annual investment in renewables and energy efficiency globally; and 30 million jobs to be created in renewable energy and energy efficiency. These will help ensure an inclusive, green recovery by investing in poverty reduction, health, education, and social protection. SDG-7 aims at ensuring access to affordable, reliable, sustainable, and modern energy for all by 2030. Cities and other urban areas consume over 75 percent of energy and contribute up to 70 percent of global greenhouse gases. Buildings alone consume around 40 percent of total national energy and contribute 30% to greenhouse gas emission. Urban areas therefore create a central role in the transition towards clean energy and carbon neutrality.

The UN-Habitat Energy Compact Strategy builds on the new priorities of the Executive Director, namely Housing, Climate Change, and Localisation of the SDGs. The Energy Compact identifies potential areas and actions that could be implemented to achieve the SG Energy roadmap targets while addressing the Executive Director's new priorities.

The actions in this compact are also supporting other SDGs, these include:

- SDG 3 – Good Health and Wellbeing
- SDG 4 – Quality Education
- SDG 11 – Sustainable Cities and Communities
- SDG 12 – Responsible Consumption and Production
- SDG 13 – Climate Action

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]

Cities are accountable for three quarters of the GHG emissions causing global warming that impacts climate change. Half of the global population live in urban areas, the number is projected to reach around 68 percent by 2050. Energy plays a critical role in urban development and economic activities. Most of the energy (75 percent) in the world is consumed in urban areas for various services in form of electricity, heat, transport and industrial activities. More than 80 percent of the global energy consumption comes from fossil fuels (mostly from oil and coal).

Energy has been the major contributor of the GHG emissions cutting across its entire value chain: energy generation is heavily dependent on fossil fuels; energy transmission and distribution encounters some losses that reduces efficiency causing a large sum of energy generated through unsustainable means to be lost; the final energy consumption linked with inefficient uses and economic growth causes more emissions. Climate change impacts have been increasingly noticed across the world, from loss of biodiversity, increased extreme weather events, unpredictable rains, change of seasonality are among these. Paris Agreement goals has set targets to keep the temperature rise below 1.5 degrees Celsius by 2030. Energy plays a critical role in supporting the Paris agreement targets as it contributes more than half of the global GHG emissions. A bigger portion of addressing energy issues especially from increased demand is energy efficiency measures. This energy compact supports efforts to decarbonise energy generation fleets and investment in clean energy sources; it is also supporting efforts to adopt energy efficiency measures necessary to decarbonize the demand side of energy.

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.

UN-Habitat will monitor progress of the compact outcomes and report through the agreed UN-Energy compact network framework. There will be quarterly reporting on the progress made in relation to the compact outcomes. UN-Habitat will also use its internal reporting framework to track progress.

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

[UN-Habitat Energy Compact in Support of SDG-7 and Paris Climate Goals 2030](#)

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)

[United Nations Human Settlements Programme \(UN-Habitat\)](#)

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

[Vincent Kitio, Lead Urban Energy Solutions, Vincent.Kitio@un.org](#)

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.