



SDG7 Energy Compact of ESCAP
Advancing SDG7 on sustainable energy for all in the Asia Pacific region - a decade to transform Asia-Pacific's energy systems

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/organizations 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: Support Asia-Pacific member States to raise the level of access to electricity to 99 per cent and access to clean cooking to 80 per cent.</p> <p>Time frame: 2025</p> <p>Context for the ambition: The progress of Asia-Pacific countries in reaching universal access to modern energy is mixed. By 2019 access to electricity had reached 96.6 per cent but access to clean cooking has reached 65.5 per cent. Given the slow progress, access to clean cooking not on track to reach the goal of universal access by 2030.</p>
<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	<p>Targets: Work with member States and international organizations to double the investment in renewable energy from 2018 levels.</p> <p>Time frame: 2025</p> <p>Increase the use of renewable electricity in ESCAP's secretariat building to 40 per cent by 2025 and 80 per cent by 2030.</p> <p>Time frame 2030.</p> <p>Context for the ambitions: An increasing share of the final energy mix is derived from renewable energy. In 2018, modern renewables accounted for 8.5 per cent of total final energy consumption and investment into the sector across the region totaled \$150 billion. Asia-Pacific's share of renewables in the energy mix remains low compared with other global regions. Hydropower has provided the bulk of the region's growing renewable energy supply, with a growing solar and wind deployments, which are undercutting the costs of fossil fuel power plants. Investment in renewables is a key requirement to grow this sector. The countries of the region can capitalize on their strong renewables resource base and falling costs of renewables to increase investment in this area.</p>
<input checked="" type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.	<p>Targets: Work with member States and international organizations to double the investment in energy efficiency by 2025 from 2018 levels.</p> <p>Reduce per capita electricity consumption in the ESCAP secretariat building by 20 per cent by 2025 and 35 per cent by 2030 compared to 2016 levels.</p> <p>Increase the energy efficiency of the ESCAP secretariat building by 16 to 18 per cent over 2021 levels by 2023.</p> <p>Context for the ambitions: Energy intensity has steadily declined across the region, indicating ongoing progress in energy efficiency. In the region's larger economies, energy efficiency enhancements are helping to drive a regional improvement trend that outpaces the global rate of progress. Total investment into end use energy efficiency across the Asia-Pacific region in 2018 totaled \$99 billion. Asia-Pacific energy intensity at 5.2 MJ per 2011 PPP \$ in 2018 remains higher than the global average of 4.6, and the opportunity for the application of energy efficiency measures is large. Broader application across sectors backed by investment is needed alongside incentives, support for energy service companies and harmonization.</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.	Target(s): Time frame: Context for the ambition(s):
<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.	Target(s): Time frame: Context for the ambition(s):

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.]

Targets: Prepare SDG 7 roadmaps for a total of 18 member States and 6 subnational jurisdictions to provide optimal pathways to reach the SDG 7 targets and Nationally Determined Contributions.
Support the development of national energy plans for more ambitious Nationally Determined Contributions or net zero emissions targets.
Facilitate the development, on request, of just transition plans to help countries phase out coal fired generation from their energy systems.
Support member State efforts to develop and agree upon a regional grid master plan to support integration of more renewable energy.

Time frame: 2025

Context for the ambition(s): Putting SDG 7 achievement on track for the Asia-Pacific region requires concerted action through national energy planning that integrates SDG 7 targets and the NDC of each country into policy frameworks. Beyond 2030, many countries have committed to net zero emissions by 2050 while others are considering such targets, for which detailed plans will be required that factor in issues such as energy technology development, costs and energy demand growth. The region’s substantial renewable energy resources can be more effectively exploited with greater cross border grid interconnection, which requires strong political, regulatory and technical cooperation. The development of the regional grid masterplan will be an important milestone to guide further development of a regional grid.

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].

Target: Support Asia-Pacific member States to raise the level of access to electricity to 99 per cent and access to clean cooking to 80 per cent. ESCAP will undertake support for its member States with energy access deficits and partner with relevant organizations to promote action on clean cooking and electricity. This support will include national and regional analytical studies, policy analysis along with dialogue and advocacy. Existing intergovernmental mechanisms such as the Committee on Energy will be used for the follow up and review of progress.	September 2021 - ongoing
Targets: Work with member States and international organizations to double the investment in renewable energy from 2018 levels. Work with member States and international organizations to double the investment in energy efficiency by 2025 from 2018 levels.	September 2021 - ongoing

<p>ESCAP will highlight the need to scale up investment in renewable energy and energy efficiency to reach the SDG 7 targets through its intergovernmental dialogue and will undertake focused work on research, capacity building and advocacy to help countries widen the fiscal space for clean energy, including as part of the region's COVID-19 recovery plans.</p>		
<p>Targets: Increase the use of renewable electricity in ESCAP's secretariat building to 40 per cent by 2025 and 80 per cent by 2030. Reduce per capita electricity consumption in the ESCAP secretariat building by 20 per cent by 2025 and 35 per cent by 2030 compared to 2016 levels. Increase the energy efficiency of the ESCAP secretariat building by 16 to 18 per cent over 2021 levels by 2023.</p> <p>ESCAP has planned a detailed suite of measures to increase the use of renewable energy and enhance energy efficiency in its operations. This includes deployment of rooftop solar power onsite, behavior changes and building upgrades which are underway as part of the upgrade of its buildings.</p>	<p>January 2019 - 2030</p>	
<p>Targets: Prepare SDG 7 roadmaps for a total of 18 member States and 6 subnational jurisdictions to provide optimal pathways to reach the SDG 7 targets and Nationally Determined Contributions. Support the development of national energy plans for more ambitious Nationally Determined Contributions or net zero emissions targets. Facilitate the development, on request, of just transition plans to help countries phase out coal fired generation from their energy systems. Support member State efforts to develop and agree upon a regional grid master plan to support integration of more renewable energy.</p> <p>ESCAP has launched a program to support member States and subnational jurisdictions to develop optimal SDG 7 roadmaps towards achieving SDG 7 targets and NDCs, with 10 completed by September 2020. This work will continue to support more countries and jurisdictions and will expand to cover net zero planning and phase out of coal.</p>	<p>September 2021 - 2025</p>	

<p>SECTION 3: OUTCOMES</p>	
<p>3.1. Please add at least one measurable and time-based outcome for each of the actions from section 2. <i>[Please add rows as needed].</i></p>	
<p><i>Clean cooking and electricity access regional analysis knowledge product with analysis of remaining gaps and policy recommendations.</i></p>	<p><i>December 2022</i></p>
<p><i>Regional policy dialogue focused on investment in renewable energy and energy efficiency as part of the Asian and Pacific Energy Forum (APEF).</i></p>	<p><i>December 2023</i></p>
<p><i>ESCAP secretariat building meets or exceeds targets for renewable energy, per capita energy use and energy use based on monitoring and reporting.</i></p>	<p><i>December 2025</i></p>
<p><i>SDG7 roadmaps completed for 18 member States and 6 subnational jurisdictions are completed and launched.</i></p>	<p><i>December 2023</i></p>
<p></p>	<p></p>

<p>SECTION 4: REQUIRED RESOURCES AND SUPPORT</p>	
<p>4.1. Please specify required finance and investments for each of the actions in section 2.</p>	
<p>This work will be undertaken as part of ESCAP's existing and future regular budgets and extra-budgetary resources.</p>	
<p>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.</p>	
<p><i>[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.]</i></p>	
<p><input type="checkbox"/> Financing</p>	<p>Description</p>
<p><input type="checkbox"/> In-Kind contribution</p>	<p>Description</p>

<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 targeted coverage is the ESCAP member States of the Asia-Pacific region, with a focus on developing countries.

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 actions under this Energy Compact covering renewables, energy efficiency and energy access are proposed to assist member States close the gap in achieving SDG7 while making contributions to SDG 13. In particular, the work on developing national SDG 7 roadmaps will provide practical support for countries to achieve SDG 7 and SDG 13.

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]

By supporting countries to formulate stronger policies for renewable and energy efficiency and enhancing investment, progress on NDCs will also be promoted, along with the potential to submit scaled up NDCs with greater ambition, supporting the Paris Agreement implementation. The expansion of analysis for SDG 7 planning to focus on net zero emissions will support countries develop their own net zero pathways.

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.

The progress on the Energy Compact will be monitored through ESCP's existing program monitoring systems.

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 defied 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

Advancing SDG7 on sustainable energy for all in the Asia Pacific region - a decade to transform Asia-Pacific's energy systems

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 Economic and Social Commission for Asia and the Pacific

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

Hongpeng Liu, Director Energy Division liu4@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.