



SDG7 Energy Compact of the GWEC Global Wind Energy Coalition for COP26
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/organizations could be based on their corporate strategy)

<input type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable and modern energy services.	Target(s): Time frame: Context for the ambition(s):
<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	Target(s): The Global Wind Industry, led by the GWEC Global Wind Energy Coalition for COP26 which comprises of leading companies and organisations in the wind sector, commits to supplying 3,300 GW of wind by 2030 (from the 743GW of current installed capacity), and 250GW per annum in line with IRENA’s Net Zero scenario. Time frame: 2030 Context for the ambition(s): While projections from international bodies such as IRENA and the IEA provide a roadmap for reaching ‘Net Zero’, the world is still far off from being in a position to reach this target. In response, the Wind Industry stands ready to scale up to meet the climate challenge, but wind installations are lagging drastically behind where they need to be for 1.5-degree compliant scenarios.
<input type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.	Target(s): Time frame: 2021/22-2025-26 Context for the ambition(s):

<p>☒ 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): The Global Wind Industry, led by the GWEC Global Wind Energy Coalition for COP26, will enhance international cooperation by convening national governments, local associations, industry and the financial community together to ensure the wind industry, by sharing knowledge, best practices and a global network, will meet its deployment targets, as per 'Target 7.2'</p> <p>Time frame: 2030</p> <p>Context for the ambition(s): COP26 represents a crucial moment in time for the wind industry to unite, and support capacity building activities throughout the world, in partnership with national governments in order to achieve the scaling up of wind energy to meet our climate goals. This activity will be driven through GWEC on a global level, with national association partners, supported by the collective expertise of the companies that make up the wind industry.</p> <p>Wind is a source of large-scale, reliable, indigenous and affordable energy, which can accelerate national clean energy transitions and support fossil fuels phaseout while safeguarding energy security. As such, the deployment of wind energy is vital to ensuring a just and inclusive energy transition, which also offers economies of scale to provide a range of socioeconomic benefits and job creation opportunities.</p> <p>Competitive LCOE alone is not enough to ensure that the energy transition is carried out at the right pace whilst fundamental barriers to renewables exist in many countries. Critical challenges in the enabling environment and market design for wind power need to be urgently resolved to deploy wind power at the pace needed. Top-down targets alone will not ensure the necessary rate of RE deployment unless appropriate regulation, streamlined permitting schemes and market structures such as long-term price visibility mechanisms are put into play.</p>
<p>☒ 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): The Global Wind Industry, led by the GWEC Global Wind Energy Coalition for COP26, will continue its work to increase increase global recognition among policymakers of the urgency to reform market design, as reflected in a "climate emergency" approach to national policymaking and strategic planification which addresses climate change. In support of this overarching target, the Global Wind Industry will focus on securing commitments from developing countries to:</p> <ul style="list-style-type: none"> ● Develop sensible and fit-for-purpose procurement frameworks which prioritise renewables and incentivise private investment, particularly in developing countries where monopolistic markets where state-affiliated fossil fuel generators are heavily supported. Commitments to work on streamlining planning and permitting frameworks to increase speed of deployment and lower attrition rates and costs ● Work with the private sector to improve the bankability conditions for renewable energy in ● Increase dialogue and pooled expertise among system operators, regulators and utilities to address system bottlenecks and forward-planning required for transmission and distribution to integrate larger shares of wind energy <p>Time frame: 2030</p> <p>Context for the ambition(s): Developing countries in Asia, Latin America and Africa have an opportunity to ensure the well-being of their populations, and foster energy independence and economic growth by being firm on their energy transitions paths and move quickly to switch coal, fuel or gas into renewable energy as their primary energy sources, in order to ensure the well-being of their populations, and foster energy independence and economic growth.</p> <p>With growing populations and rising power demand, emerging markets can leapfrog antiquated power generation technologies and move directly to a modern, flexible and clean power system by integrating wind as a base technology of hybrid and storage projects. Wind offers a route to energy independence and self-sufficiency, and coupled with grid modernisation and storage, wind energy can vastly increase energy security and shield emerging economies from the price volatility and geopolitical burdens of fossil fuels. Moreover, "Investment-grade policy" for renewable energy is a requirement for mobilising private finance in promising markets with enormous wind resource across Africa, South East Asia and Latin America</p> <p>Nearly every kind of power generation depends on government regulation and wind is no exception. Wind energy installations are lagging due to regulatory barriers impacting availability of land/grid, price stability and delayed project timelines. Sensible regulation and procurement frameworks can ensure that clean generation technologies deploy at the right scale to meet energy demand and replace polluting fossil fuels.</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.]

Target(s): The Global Wind Industry, led by the GWEC Global Wind Energy Coalition for COP26, will continue to drive innovation in energy systems with the goals of further integration of wind energy as per IRENA targets, and new technologies like green hydrogen, floating offshore wind and battery storage, particularly with grid operators needing to take on more renewable energy. The industry aims to establish a joint working group on green hydrogen and its role in global power systems. The industry will aim to formally collaborate with other industries such as the steel, concrete and cement sectors, via electrification or green hydrogen, to reduce emissions beyond the global power sector

Time frame: 2030

Context for the ambition(s): Presently, the transition away from polluting fossil fuels and towards clean energy technologies such as wind, are being held back by antiquated energy infrastructure and market design. Wind energy also has a crucial role to play with respect to accelerating the uptake of new technologies such as Green Hydrogen and Battery Storage, allowing for a greater uptake of clean energy and also decarbonization potential – especially in relation to ‘hard to abate’ industries such as steel, cement, chemicals, agriculture and heavy transport.

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>7.2</p> <ul style="list-style-type: none"> ● <i>The creation of wind specific targets in countries which do not yet have them, raising ambition for higher wind capacity targets (either in GW or % generation mix) by 2030 from all regions of the world: North America; Latin America and the Caribbean; Europe, Africa; and the Asia Pacific.</i> ● <i>Recognition and mainstreaming/integration of wind benefits in the G2G COP26 Energy Transition Council (ETC) Dialogues, already underway across 15 countries. For relevant markets, wind energy should be referenced in country implementation plans due by November, including new/higher commitments.</i> ● <i>Increase of countries declaring a climate emergency and freeing up resources for renewables deployment, as called for by the UN in 2020.</i> ● <i>Commitments to develop sensible and fit-for-purpose procurement frameworks which prioritise renewables and incentivise private investment, particularly in monopolistic markets where state-affiliated fossil fuel generators are heavily supported,</i> ● <i>Commitments to work on streamlining planning and permitting frameworks to increase speed of deployment and lower attrition rates and costs</i> 	<p>Present to 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p> <p>7.a</p> <ul style="list-style-type: none"> ● <i>Channels for industry advisory established in institutional climate finance mechanisms, such as COP26 Rapid Response Facility (forthcoming Q2 2021), COP26 ETC finance stream and IRENA Climate Investment Platform.</i> ● <i>Commitments to work with the private sector to improve the bankability conditions for renewable energy in priority markets in Africa, South East Asia and Latin America.</i> ● <i>Increased dialogue and pooled expertise among system operators, regulators and utilities to address system bottlenecks and forward-planning required for transmission and distribution to integrate larger shares of wind energy.</i> ● <i>Increased dialogues with policymakers, donors and the private sector to support the conditions for a just transition and alternative employment opportunities for workers in fossil fuel industries.</i> ● <i>Public transition funds or initiatives which reference opportunities in wind energy, particularly in markets outside Europe which can act as demonstration programmes for the region</i> ● 	<p><i>Start and end date</i></p> <p>Present to 2030</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>7.b</p> <ul style="list-style-type: none"> • <i>Calls to raise wind energy targets are reinforced by carbon-intensive industries, such as steel, cement, aluminium and chemicals, via endorsement of targets and/or cross-sector partnership platforms with the wind industry, particularly in manufacturing hubs like APAC which accounts for 70% of global steel and cement production annually.</i> • <i>GWEC to convene a wind industry working group on Green Hydrogen – focused on developing policy positions/recommendations, and also work towards creating a wind industry Green Hydrogen production target, and how this clean energy fuel source could be used to decarbonise ‘hard to abate’ heavy industry sectors.</i> 	<p>Present to 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p>	<p><i>Start and end date</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].*

<p><i>Outcome</i> 7.2 - 200+ GW annual installation level by 2030. The next decade will be “make or break” when it comes to reaching net-zero by 2050.</p>	<p><i>Date</i></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.

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.

Initial focus on Campaign priority markets:

China
India
Vietnam
South Africa
Brazil
Argentina
Colombia
Mexico
Indonesia
Philippines
Mozambique
Kenya

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]

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]

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.

Each year GWEC produces the definitive global wind report for the industry, which tracks installed capacity.

Figures from GWEC's Global Wind Report would be cross-referenced with IRENA's Net-Zero decarbonization pathway projections, to track progress.

SECTION 7: GUIDING PRINCIPLES CHECK LIST

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

GWEC Global Wind Energy Coalition for COP26 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)

GWEC Global Wind Energy Coalition for COP26

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

Emerson Clarke
emerson.clarke@gwec.net

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.

<https://windareyouin.com/>