



SDG7 Energy Compact of Nauru

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]

(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.	Target(s): 100% Time frame: achieved but further actions required to enhance grid reliability and stability Context for the ambition(s): Nauruans have universal access to grid electricity. However, there is a need to implement various projects to improve grid reliability and stability which remains an ongoing challenge.
<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	Target(s): 50% Time frame: 2023 Context for the ambition(s): by 2024 Nauru will have achieved 50% RE share for electricity generation from the current 10%. The new RE will displace current diesel generation. Additionally, Nauru is exploring wind, OTEC and other options to further increase the RE share of the energy mix.
<input checked="" type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.	Target(s): 30% improvement in energy efficiency from a 2021 baseline Time frame: 2030 Context for the ambition(s): Nauru is undertaking a multipronged approach to addressing energy efficiency in the residential, commercial and industrial sectors.
<input checked="" 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): renewable energy assessments / e-transportation plan development and implementation Time frame: 2023 / 2030 Context for the ambition(s): Nauru seeks to further assess the viability of wind and OTEC to increase RE share of the energy mix / implementation of national land transport strategy Renewable energy assessment: (1) wind: Nauru requires support to conduct a wind resource assessment to validate the technical and financial viability of Nauru's wind resources. This detailed on-site assessment would include using met-masts, high quality anemometers and other relevant equipment to collect and record daily wind data for a period of at least 12 months at five potential wind project sites in Nauru. (2) OTEC: Nauru's conditions seem favourable for Ocean Thermal Energy Conversion (OTEC) and pre-feasibility assessments are underway with CTCN and UNEP and further feasibility work needs to be conducted. e-transport: Prepared in conjunction with CTCN and UNEP, Nauru's <i>Sustainable Land Transport Strategy</i> (2021) intends to improve the efficiency of transport and includes a host of relevant transport policies for implementation, including: (1) the integration of land use and transport planning; (2) providing a reliable and affordable public bus system; (3) improving walking and cycling facilities; (4) promoting cleaner and more efficient fuels and vehicles; (5) electrifying transport with renewable energy as fuel; and (6) awareness raising for sustainable land use transport.
<input checked="" type="checkbox"/> 7.b. By 2030, expand infrastructure and upgrade technology for supplying modern	Target(s): Time frame: 2030

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.

Context for the ambition(s): As a small island developing state, Nauru requires support to fully implement our national energy and energy efficiency related plans in the electricity, water, transport, housing and other sectors. Climate action puts stress on limited national budgets and diverts limited vital resources from the full achievement of other SDGs.

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): 20% of total vehicles in Nauru are electric

Time frame: 2030

Context for the ambition(s): Transportation in Nauru is primarily by private motorized vehicles that are aged and relatively inefficient. In order to improve transportation generally, and the efficiency of the vehicle fleet, a number of sustainable transportation policies, including policies to encourage electrification of transport are being considered.

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>
7.1 Actions to improve grid reliability and stability include: power distribution network switch upgrading; upgrade feeder from 3.3KV to 11KV; 415V network upgrading and grid stability study and recommendations.	Ongoing through 2025
<i>Description of action (please specify for which ambition from Section 1)</i> 7.2 The Nauru Solar Power Development Project is underway and will install a 6 MWh solar array with a 2.5 MWh/5.0 MW battery energy storage system (BESS) to achieve nearly 50% of the energy mix is RE. 7.2 Solar RO project – deployment of container based, small scale, community based, solar powered, reverse osmosis clean drinking water systems. 7.2 Wind Assessment - To conduct a wind resource assessment to validate the technical and financial viability of Nauru’s wind resources as a potential source for RE.	<i>Start and end date</i> Ongoing through 2023
<i>Description of action (please specify for which ambition from Section 1)</i> 7.3 The activities related to energy efficiency will include: the introduction of Minimum Energy Performance Standards and Labeling of appliances; LED bulb rollouts to the residential and commercial sectors; outreach programs and campaigns for schools and households; creation of Energy Management Plans for commercial establishments; and the creation of an Energy Efficiency Fund that will support the penetration of higher efficiency appliances.	<i>Start and end date</i> Ongoing through 2030
<i>Description of action (please specify for which ambition from Section 1)</i> 1.2 The activities related to e-transportation will include: conduct a travel demand analysis including an origin-destination survey covering all road transport modes; prepare an operational and management/business plan for a new electric public bus system; prepare an operational management/business plan for a public e-bike or e-scooter sharing system.	<i>Start and end date</i> Ongoing through 2030

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>Outcome</i>	<i>Date</i>
7.1 Actions to improve grid reliability and stability include: power distribution network switch upgrading; upgrade feeder from 3.3KV to 11KV; 415V Network upgrading and grid stability study and recommendations.	2025
7.2 The Nauru Solar Power Development Project is underway and will install a 6 MWh solar array with a 2.5 MWh/5.0 MW battery energy storage system to achieve nearly 50% of the energy mix is RE.	2023
7.2 Solar RO project – deployment of container based, small scale, community based, solar powered, reverse osmosis clean drinking water systems.	ASAP – tbd based on support
7.2 Wind Assessment – wind data collection report and wind deployment feasibility report.	ASAP – tbd based on support
7.3 The activities related to energy efficiency will include: the introduction of Minimum Energy Performance Standards and Labeling of appliances; LED bulb rollouts to the residential and commercial sectors; outreach programs and campaigns for schools and households; creation of Energy Management Plans for commercial establishments; and the creation of an Energy Efficiency Fund that will support the penetration of higher efficiency appliances. (by 2030)	2030
1.2 Conduct a travel demand analysis including an origin-destination survey covering all road transport modes; prepare an operational and management/business plan for a new electric public bus system; prepare an operational management/business plan for a public e-bike or e-scooter sharing system	ASAP – tbd based on support

SECTION 4: REQUIRED RESOURCES AND SUPPORT

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

7.1 actions to improve grid reliability and stability include: (1) power distribution network switch upgrading; (2) upgrade feeder from 3.3KV to 11KV; (3) 415V Network upgrading; (4) grid stability study and recommendations (financing TBD, not yet secured)
7.2 The Nauru Solar Power Development Project is a funded \$27M (USD) project that is currently being implemented (financing secured)
7.2 Solar RO project – deployment of container based, small scale, community based, solar powered, reverse osmosis clean drinking water systems – this project requires financial support of 70k (USD) per installation with 10 sites targeted (total 700k USD) (financing not secured)
7.2 Wind Assessment – support to conduct wind data collection and assess wind deployment feasibility (financing not secured)
7.3 The activities related to energy efficiency will include: the introduction of Minimum Energy Performance Standards and Labeling of appliances; LED bulb rollouts to the residential and commercial sectors; outreach programs and campaigns for schools and households; creation of Energy Management Plans for commercial establishments; and the creation of an Energy Efficiency Fund that will support the penetration of higher efficiency appliances. (financing partially secured)
1.2 travel demand analysis report (350k USD) / electric public bus system plan (250k USD) / e-bike sharing system plan (200k USD) (financing not secured)

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 checked="" type="checkbox"/> Financing	Description Grid Reliability, Solar RO, Wind Assessment, e-transport
<input checked="" type="checkbox"/> In-Kind contribution	Description Solar RO, Wind Assessment, EE
<input checked="" type="checkbox"/> Technical Support	Description Grid Reliability, Wind Assessment, e-transport
<input checked="" type="checkbox"/> Other/Please specify	Description Capacity support to strengthen Nauru's Department of Climate Change and National Resilience to boost implementation, and fully achieve the SDGs

SECTION 5: IMPACT

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

All projects are national in scope and will benefit the entire population of Nauru

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]

As Nauru's NDC clearly illustrates the SDGs and action on energy and climate action are deeply intertwined. The advancement of various projects contained in this Compact will advance implementation of SDG 7, however, given the linkages between the various SDGs the actions included in this Compact will also serve to advance SDGs 6, 8, 9, 11, 12, 13.

Projects to improve grid stability and reliability will help to ensure the reliability of the electricity supply (SDG 7). Given that Nauru relies on desalination for drinking water, electricity is also vital to ensuring clean water (SDG 6). Additionally, these projects will create opportunities for decent work (SDG 8) by developing skilled tradespeople and improve the resilience of infrastructure (SDG 9) and build sustainable communities (SDG 11). These projects will also allow for greater RE penetration in the grid (SDG 13).

The renewable energy related projects have clear links to advancing affordable and clean energy (SDG 7) and climate action (SDG 13). Additionally, increasing the share of RE will reduce government expenditures on imported diesel will also allow for government resources to be re-allocated to the advancement of other development priorities.

The energy efficiency related projects will advance SDG 7 and 13. Additionally they will help to provide decent work opportunities (SDG 8), improve infrastructure and its resilience (SDG 9) and help to build sustainable communities (SDG 11) that ensure sustainable consumption patterns (SDG 12).

The e-transportation related projects will advance SDG 7 and 13. Additionally, deploying e-transportation will also provide decent work opportunities (SDG 8), build public infrastructure (SDG 9) and ensure the responsible consumption (SDG 12) while building sustainable communities (SDG 11).

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]

All of the elements of this Compact are fully aligned with the SDGs, Nauru's National NDC, as well as the UN Framework Convention on Climate Change and its Paris Agreement, while fully considering the special circumstances of SIDS and equity considerations.

Actions related to grid stability and reliability will allow for greater RE penetration, while building resilience. This project was also supported by international climate finance and technology and capacity support as outlined in the Convention and its Paris Agreement.

Actions related to renewable energy will reduce greenhouse gas emissions and will help to further strengthen Nauru's resilience. These actions will require climate finance support as well as technology and capacity support as outlined in the Convention and its Paris Agreement.

Actions related to energy efficiency will reduce greenhouse gas emissions and will also help to strengthen Nauru's resilience and adaptive capacity. These actions will require climate finance support as well as technology and capacity support as outlined in the Convention and its Paris Agreement.

Actions related to e-transportation will reduce greenhouse gas emissions. The implementation of these actions will require climate finance support as well as technology and capacity support as outlined in the Convention and its Paris Agreement.

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.

Progress on the implementation of actions contained in this Compact will be tracked by Nauru's Department of Climate Change and National Resilience.

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 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

Nauru's National 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)

Nauru

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

Reagan Moses reaganmoses@gmail.com

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.

N/A