

(V. 9 May 2021, revised 14 Feb 2022)

SDG7 Energy Compact of BPP Technical Services Limited
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

4. Demonstration at scale

SECTION 4: REQUIRED RESOURCES AND SUPPORT

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

1. Techno-economic assessment of a novel Green H2 supply solution: Green H2 from FWF:

BPP-TECH is an SME and lacks the financial reserves to develop the system definition and integration tools to assess the techno-economic viability of producing Green H2 from FWF at the speed required by the global sustainability agenda. Without public funding, BPP-

SECTION 5: IMPACT

5.1.

A greater injection of free-carbon H₂ into the market will massively reduce the carbon footprint of the transport, industry and home-heating sector improving the air quality and well-being of the society. Low-carbon H₂ is forecasted to see a continued growth in demand, from 35-1,100 TWh/year in 2030 to 300-19,000 TWh/yea. A steady transition to 'Green' H₂ is anticipated, and wind offers an outstanding opportunity, particularly for countries having the capacity of deploying new FWF for Green H₂ production.

Action 1: Techno-economic assessment of a novel Green H₂ supply solution: Green H₂ from FWF (Energy Efficiency):

BPP-TECH aims to carry out a techno-economic study of a novel Green H₂ system using remote wind turbines. The study aims to analyze and assess windfarm-electrolyzer technical configurations that deliver a reliable supply of low-cost renewable hydrogen.

BPP-TECH aims to increase the profile of decentralized independent H₂ hubs, by demonstrating the technical and financial viability of Green H₂ production using FWFs, by developing a real-case business study. This study will allow accurate

All the JIP's partners will be able to use and exploit the information and understanding generated by the understanding of previous targets for the further validation of the proposed system in a real case scenario.

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 goal of the Paris Agreement by 2050? Yes No

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)

BPP Technical Services Limited

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

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8.5. Please select the geographical coverage of the Energy Compact

Africa Asia and Pacific Europe Latin America and C4281 1042.28 337.64 reW*hBT/F3 10.937 Tf1 0 0 09reW*BT/F0 TfnW*hBT/F5 10.937 Tf1 0 0 1 772.74 678.01 Tm0 G[0706]-TJETQ767.28 633.96 nh8623(a)7(nd)-5()4(P)-10(a)