



Pathways to Sustainable Energy Project

Project Kick-off and Scenario Scoping

14 June 2017, Astana





Introduction: Tracking “Energy for Sustainable Development”

- Desired Outcome
- Agenda 2030; revision of SDG indicators 2018

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7.1 By 2030, ensure universal access to affordable, reliable and modern energy services

7.1.1 Proportion of population with access to electricity

7.1.2 Proportion of population with primary reliance on clean fuels and technology

7.2 By 2030, increase substantially the share of renewable energy in the global energy mix

7.2.1 Renewable energy share in the total final energy consumption

7.3 By 2030, double the global rate of improvement in energy efficiency

7.3.1 Energy intensity measured in terms of primary energy and GDP

Goal 7:

Ensure access to affordable, reliable, sustainable and modern energy for all.



Targets and Indicators

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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

7.a.1 Mobilized amount of United States dollars per year starting in 2020 accountable towards the \$100 billion commitment

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 programmes of support

7.b.1 Investments in energy efficiency as a percentage of GDP and the amount of foreign direct investment in financial transfer for infrastructure and technology to sustainable development services

2030 Agenda for Sustainable Development

Energy-related SDGs



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- SDG6: Clean water and sanitation
 - **SDG7: Affordable and clean energy**
 - SDG9: Industry, innovation and infrastructure
 - SDG11: Sustainable cities and communities
 - SDG12: Responsible consumption and productions
 - SDG13: Climate action
 - SDG17: Partnerships
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- SDG1: No poverty
 - SDG8: Decent work and economic growth



Indicators on Energy for Sustainable Development

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- What are the „right“ indicators to use to assess energy for sustainable development?
- How to collect data to populate the indicators?
- What data is needed that is currently not yet collected?
- How can we improve the existing energy indicators for the three SDG7 pillars?

Recommendations for Indicators

Conclusions from GTF Regional Reports

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Broader set of indicators required / Review of existing indicators

- For elec. Include min levels of consumption & reliability of supply
- EE to contain improvements in supply losses, reliability of supply & DSM
- Fossil fuels related aspects (share of FF in TPES, generation efficiency, etc.)
- Climate aspects such as climate intensity of the energy sector
- Nexus considerations such as for the energy-water-food nexus
- Quality of life
- Renewable Energy: Share of RE in TFEC versus Share of RE in TPES, Investments into RE
- Move beyond physical access to quality of access, including affordability

Review Process of SDGs

SDG7: Tracking and review mechanisms

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- **SDG7 existing tracking mechanisms:**
 - GTF SE4ALL (SDGD7)
 - SDG Report by UN
- **Review Process:**
 - Periodic in-depth reviews, such as through the Voluntary National Reviews (VNRs), to assess progress towards achieving the 2030 Agenda through the High-Level Political Forum (HLPF)
 - First global review of SDG7 in 2018
 - Take stock of progress, including energy's linkages with other SDGs,
 - Reflect on the way forward to accelerate SDG7 implementation

Review Process of SDGs

SDG7: Tracking and review mechanisms

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- Workshops:
 - Symposia and Meetings in 2017 and 2018 in global regions
 - Major issues related to progress on SDG7
 - Interlinkages with other SDGs
 - Preparatory Meeting in support of the global review of SDG7
 - Synthesis from the symposia provides inputs
 - To be held on 7-8 December 2017 at the UN HQs in New York.



Thank you!

Scott Foster
Sustainable Energy Division
UNECE
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