

Regional Stakeholder Consultations on Energy Connectivity and Sustainable Energy

Development of the SDG 7 Roadmap for Kazakhstan

Access to affordable, reliable, sustainable and modern energy for all



Astana, 12–13 June 2024

Report Highlights

Part 1: SDG 7 Roadmap intro

Part 2: Activities undertaken

Part 3: Review of current policies

Part 4: Consultations with stakeholders

SDG 7 Roadmap Kazakhstan

The Government of Kazakhstan has expressed its interest in the NEXSTEP initiative to develop an SDG 7 Road Map for Kazakhstan. This Road Map development is being supported by the United Nations Economic Commission for Europe (UNECE) in collaboration with the United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP).

The NEXSTEP tool (National Expert SDG 7 Tool for Energy Planning) is aimed to identify energy transition pathways for Central Asian countries in the context of the 2030 Agenda and the Paris Agreement. NEXSTEP uses the Low Emission Analysis Platform (LEAP) for modelling energy transition scenarios. LEAP is a widely used tool developed by the Stockholm Environment Institute (SEI), which is utilized to develop scenarios for the energy sector policy analysis and Nationally Determined Contribution (NDC).

NEXSTEP modelling utilizes data collected from the national level that includes bottom-up energy demand and intensity data for the demand sectors (i.e., residential, commercial, transport, and industry), macroeconomic and demographic data such as the country's GDP, projected GDP growth rate, population data, and projected population growth rate.



Actions undertaken

Step 1

Inception workshop was held in Astana on February 2023 with key stakeholders

Step 2

Data collection by the National Consultant in Kazakhstan and development of Kazakhstan Scenario Highlights

Step 3

Second National Workshop organized in Astana on November 9

Step 4

Received recommendations from stakeholders

Update of the report

Review existing policies

Kazakhstan's energy sector development is guided by several national policies and legislations. These policies have been used as guiding references for the NEXSTEP modelling, to better understand the country's context and to provide recommendations in adherence to the national government's overarching direction.

01

The Development Strategy of the Republic of Kazakhstan until 2050

02

The Concept for the transition of the Republic of Kazakhstan to a green economy

03

The Environmental Code

04

Law on the Promotion of Renewable Energy Sources

05

Kazakhstan's Updated Nationally Determined Contribution (NDC)

+

more policies and degrees



Consultations with stakeholders

1. The Ministry of Energy of the Republic of Kazakhstan
2. The Bureau of National Statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan
3. The KEGOC JSC
4. The Financial Settlement Center for RE support
5. The Institute for Development of Electric Power Industry and Energy Saving JSC
6. Qazaq Green Association

Contact information

We thank you for your continued support in our efforts to contribute to the SDG7.

Contact

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