

ASIA CLEAN ENERGY FORUM 2025

Empowering the Future: Clean Energy
Innovations, Regional Cooperation and
Integration, and Financing Solutions

2-6 June | ADB Headquarters



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Powering CWRD and Beyond: Green Corridor for a Connected Future Kazakhstan's Experiences and Perspectives

5 June 2025



Important facts about Kazakhstan



TERRITORY

2.7M km²
9th largest in the world



DIVERSE POPULATION

~20M people



LARGEST ECONOMY IN CENTRAL ASIA

(61% of share)



REGION'S HIGHEST GDP PER CAPITA

\$14,3K (2024)
Upper-middle income



INTERNATIONAL RESERVES

\$94B,
National Fund \$60.7B,
FX Reserves \$37.8B



MULTILATERAL POLICY

Member of UN, WTO, OSCE, OIC,
EAEU, OTS, SCO



FAVORABLE TAX REGIME

Treaties to avoid
Double taxation with 55 countries



FDI

Since gaining independence in 1991,
Kazakhstan has attracted **over \$330B** in
foreign direct investment (FDI) from
more than 120 countries.

INTERNATIONAL COOPERATION

50+ international organizations ||| **49K** entities with foreign capital ||| Business Councils with **21** countries



UNDP Country Office
FAO Partnership and Liaison Office
UNEP Office for CA
UN ESCAP Subregional Office



Islamic Development Bank
Regional Hub for Central Asia



OECD
Country office



Eurasian Development Bank
Headquarter



World Bank Regional Office for CA
World Bank Group's offices
(IBRD, IDA, IFC, MIGA)



Islamic Organisation for Food Security
Headquarter



OSCE
Country office



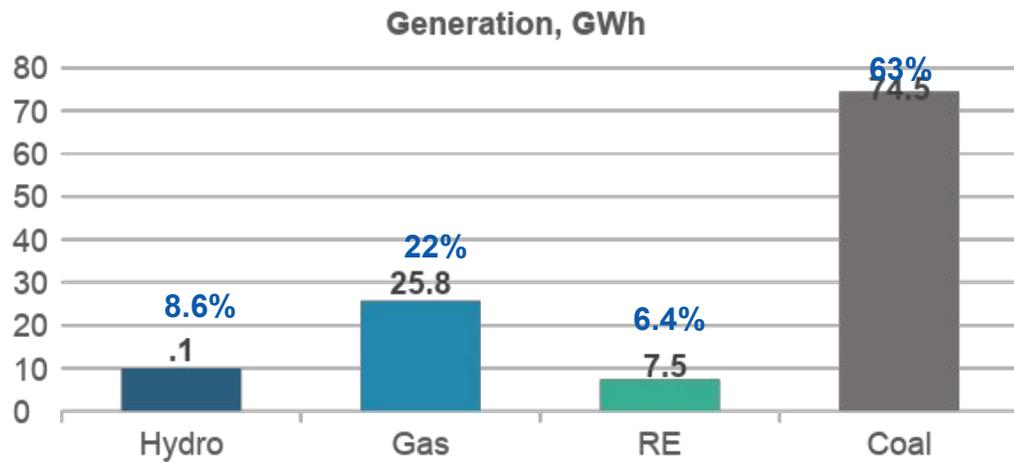
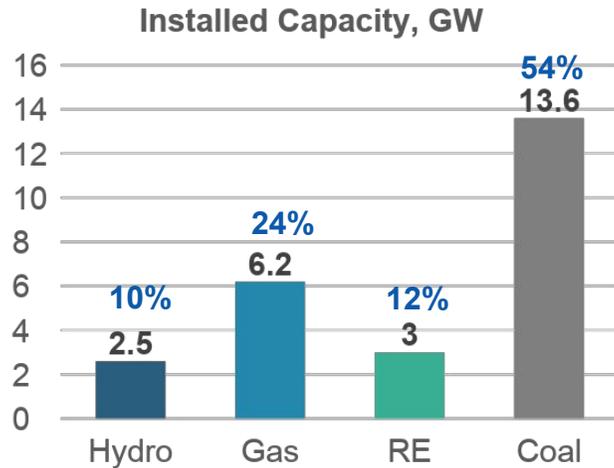
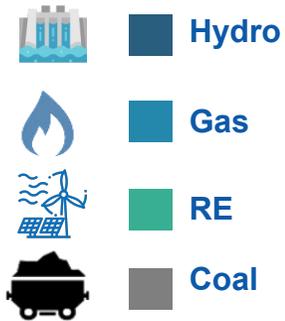
**Conference on Interaction and
Confidence Building Measures in Asia**
Headquarter

Kazakhstan's state policy on sustainable development and renewable energy



Kazakhstan's generation profile

233 Power plants
25.3 GW Installed capacity
118 GWh Generation

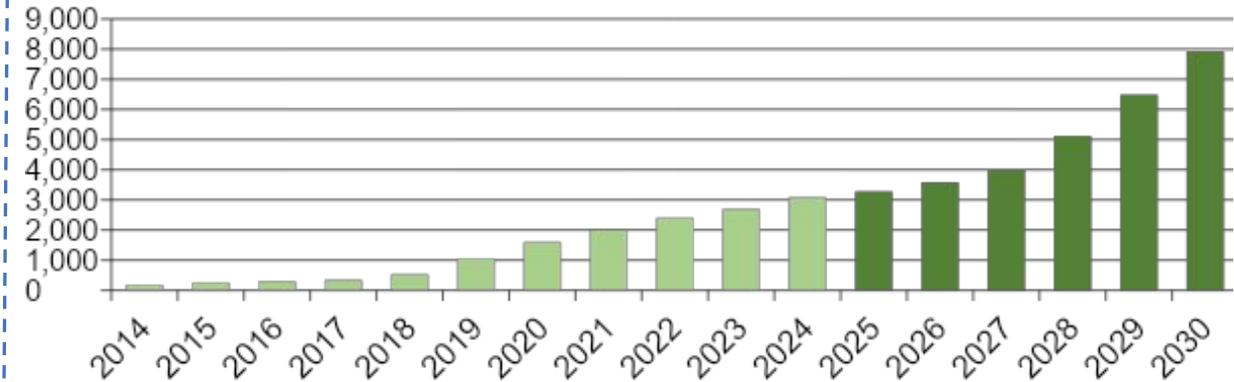


154 RE power plants – **3,082.12 MW**
 generation **7.5 GWh** (2024)

Solar 1,222 MW **Wind 1,570 MW** **Hydro 287 MW**

Total Investments in RE = 3.4B USD

Dynamics of RE Installed Capacity Growth, MW

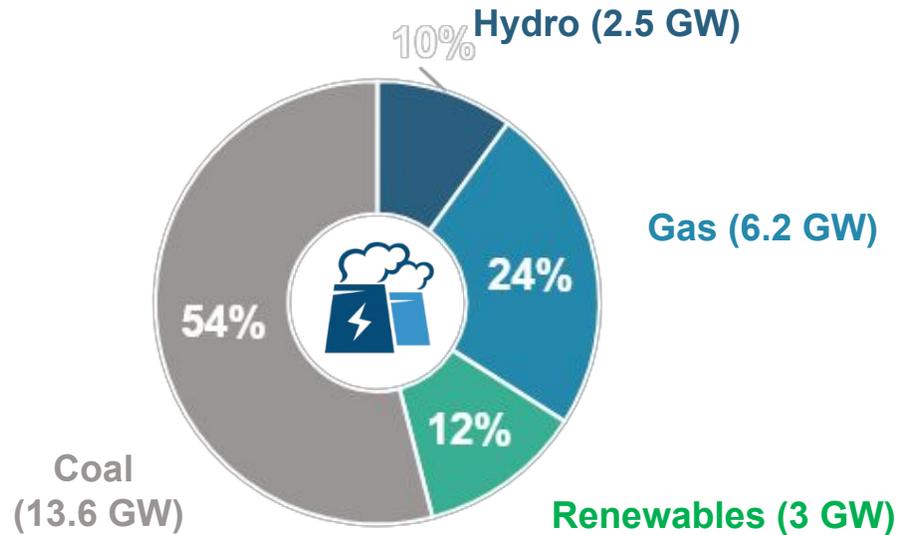


Potential of renewable energy in Kazakhstan

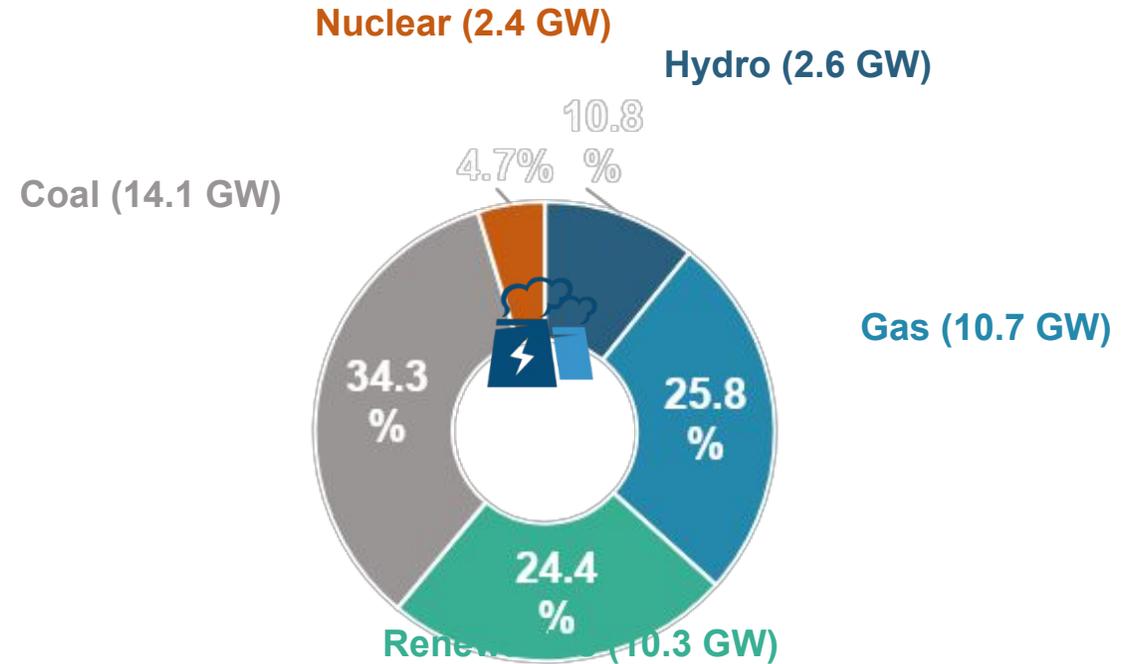


STRUCTURE OF ENERGY GENERATION CURRENT VS PROJECTED

2024 (25.3 GW)



2035 (40.1 GW) projected



IMPLEMENTATION CHALLENGES

Fossil Fuel Dependency

Economy heavily reliant on oil and gas revenues

Financing Gaps

Green projects require significant capital investment

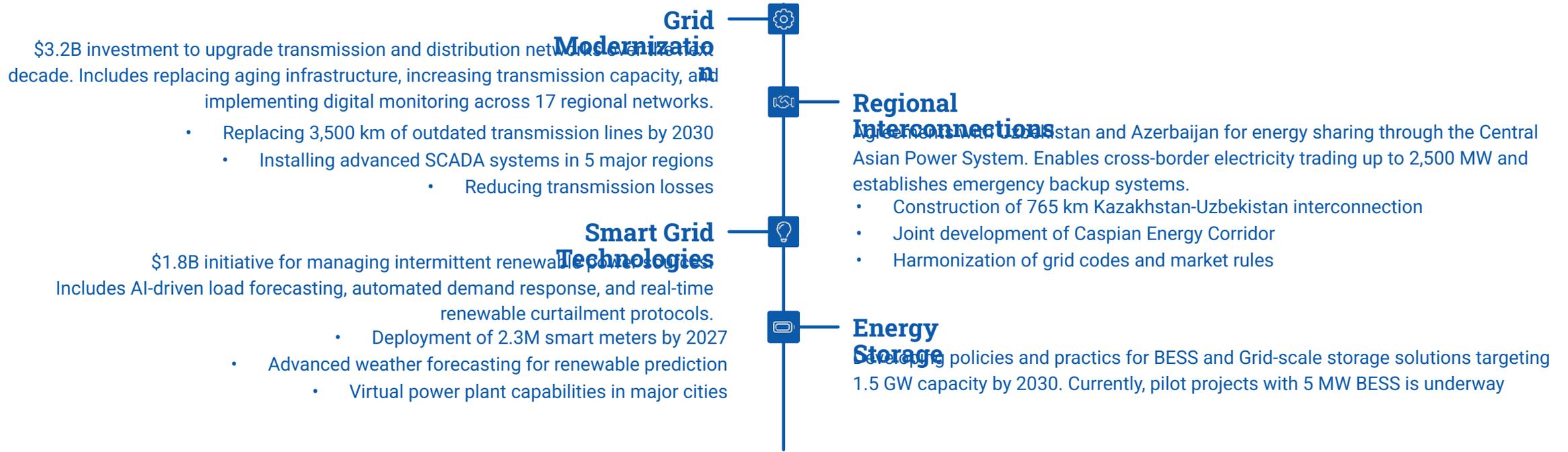
Infrastructure

Energy systems need modernization for renewable integration

Technical Expertise

Lack of a qualified RES workforce

Kazakhstan is upgrading grid infrastructure to support renewable integration and enhance regional energy security



These initiatives will enable Kazakhstan to integrate 15 GW of new renewable capacity while maintaining grid reliability and creating opportunities for electricity exports

Regional Cooperation



Leadership

Kazakhstan has established itself as the Central Asian sustainable energy champion, taking the lead in regional cooperation and clean energy advocacy.



Financing

The country successfully secured international partnerships to fund major renewable energy and transmission projects.



Knowledge

Kazakhstan has facilitated technology transfer and expertise sharing by building strong networks with international institutions and regional stakeholders.



Infrastructure

The nation has made significant progress in developing cross-border energy grid infrastructure, positioning itself as a regional energy hub.

Path Forward



Increase

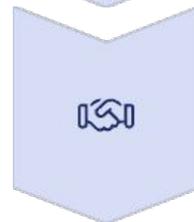
Allocate more capital to renewable infrastructure projects

Investment



Strengthen Policies

Enhance incentives for clean energy development



Expand

Develop regional and international collaborations

Partnerships



Balance Transition

Maintain economic stability during energy transformation



**Thank you
for your attention!**