

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

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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 km<sup>2</sup>  
9<sup>th</sup> 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

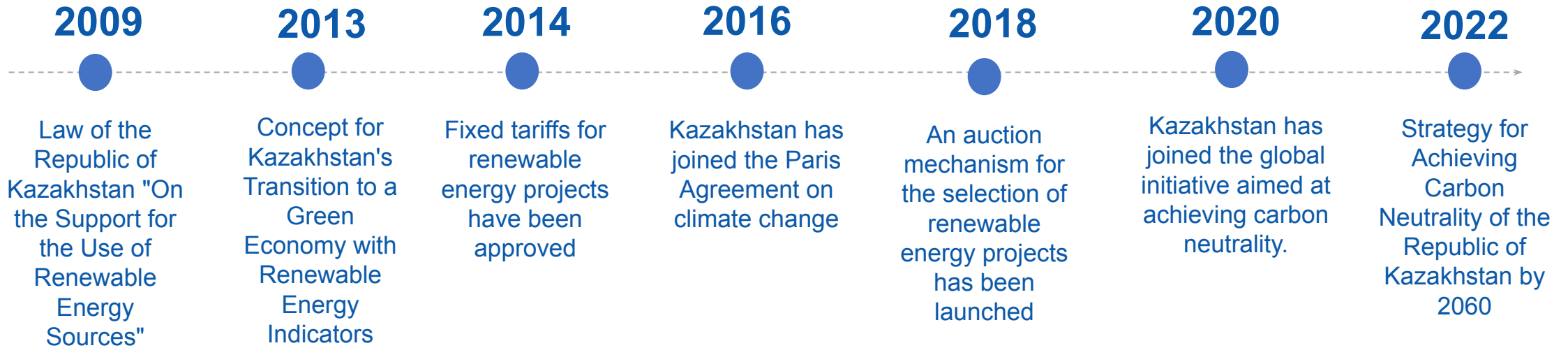


**OSCE**  
Country office



**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

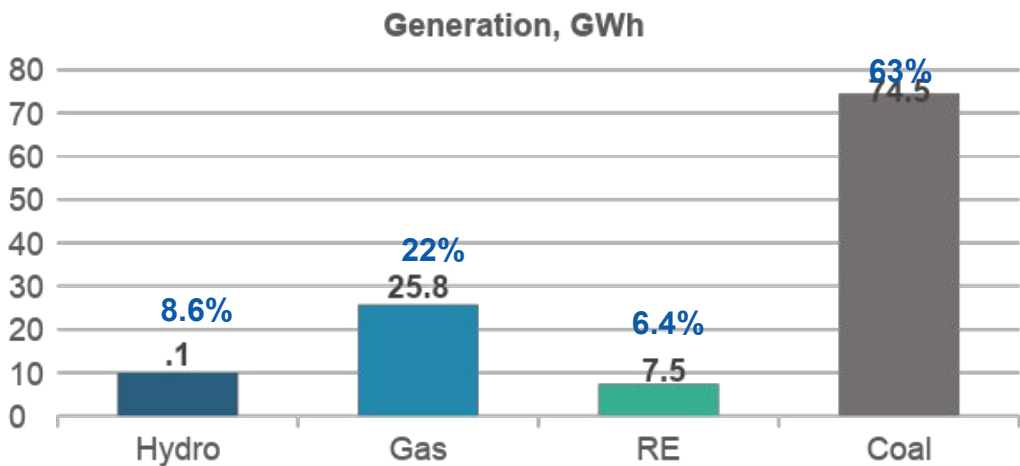
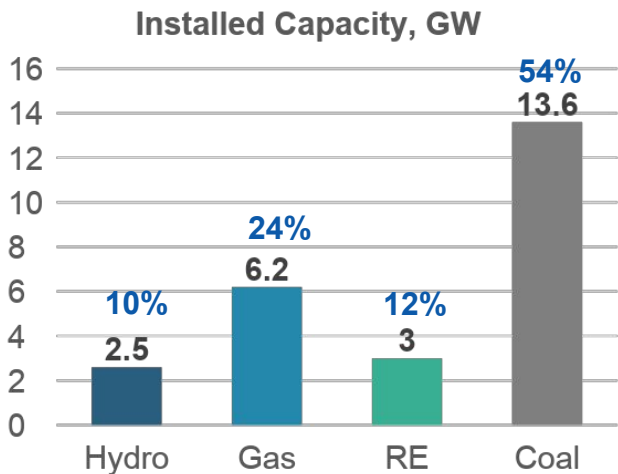
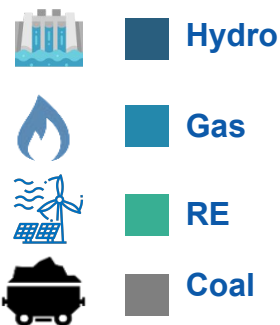
Power plants

25.3 GW

Installed capacity

118 GWh

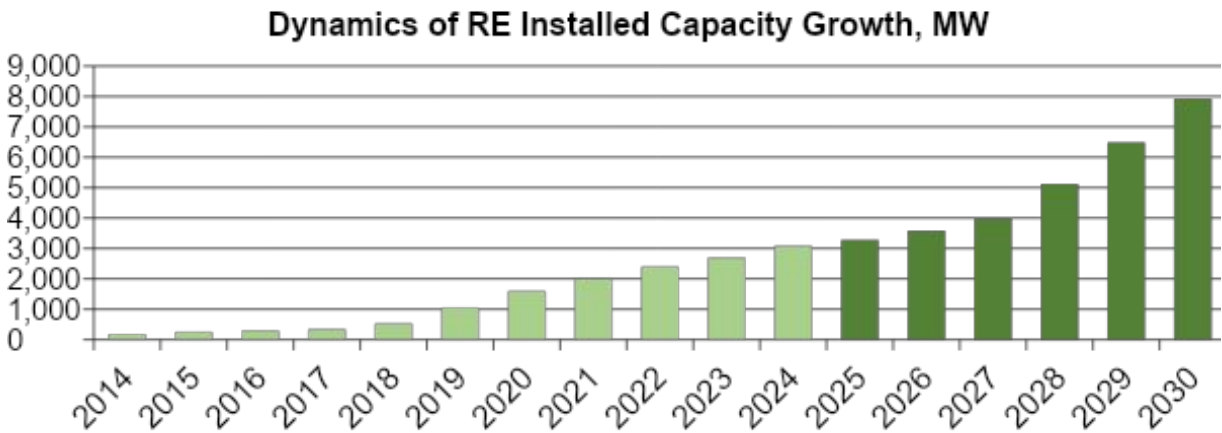
Generation



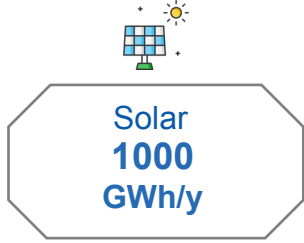
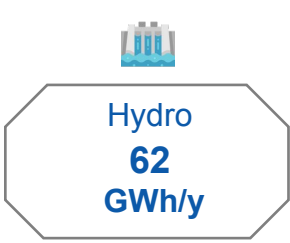
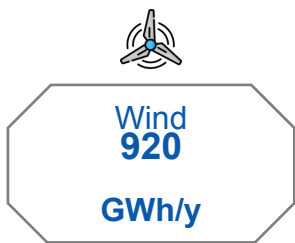
**154** RE power plants – **3,082.12 MW**  
generation **7.5 GWh** (2024)

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

**Total Investments in RE = 3.4B USD**

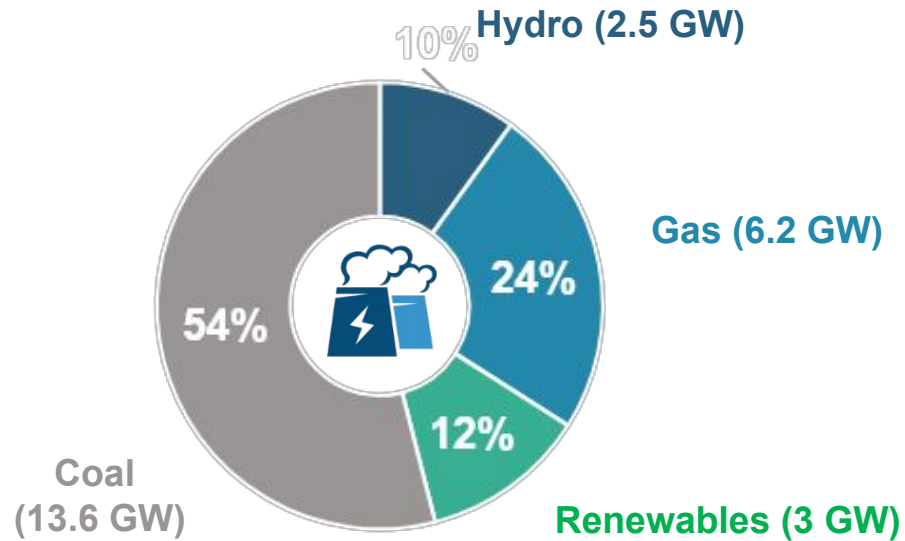


## Potential of renewable energy in Kazakhstan

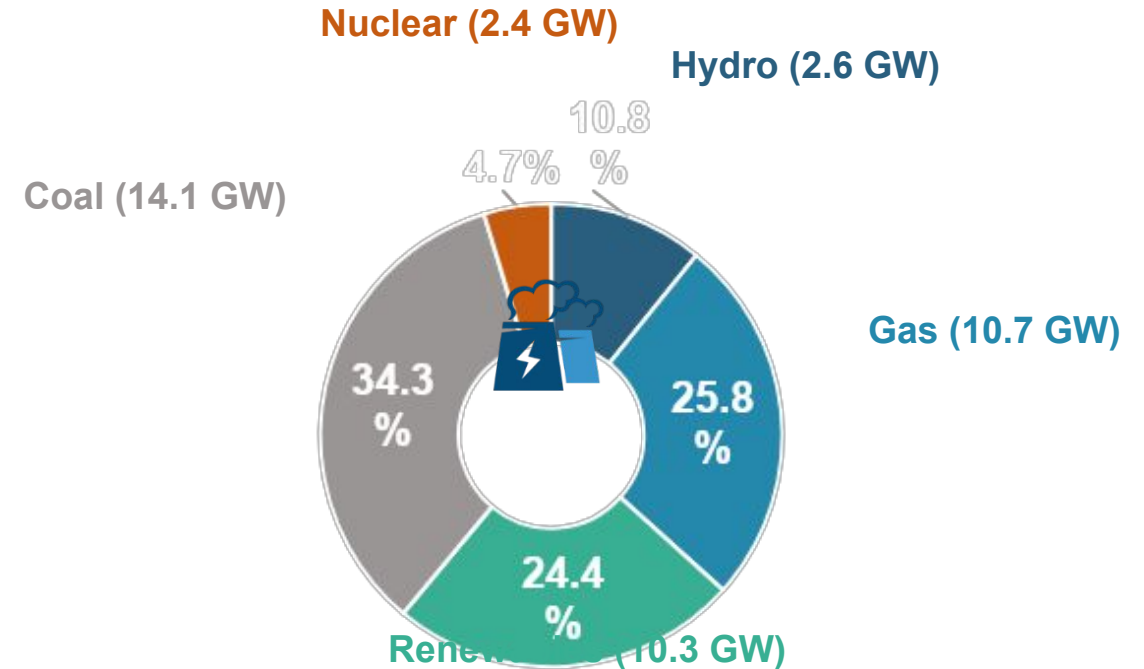


# STRUCTURE OF ENERGY GENERATION CURRENT VS PROJECTED

## 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

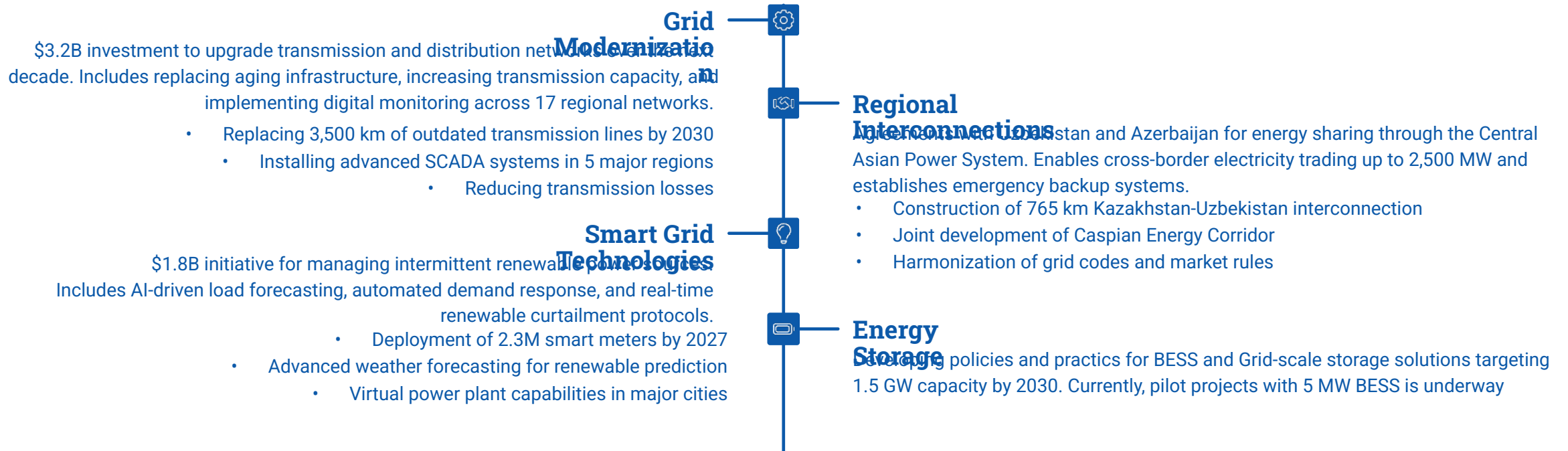
### Infrastructure

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!**