

«ЭЛЕКТР ЖЕЛІЛЕРІН БАСҚАРУ  
ЖӨНІНДЕГІ ҚАЗАҚСТАН  
КОМПАНИЯСЫ» «KEGOC»  
(KAZAKHSTAN ELECTRICITY GRID  
OPERATING COMPANY) АҚ



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## **Kazakhstan's national power grid is about to undergo a major upgrade**

The country's Ministry of Energy has approved the Forecast Electricity and Capacity Balance of the Unified Electricity System of Kazakhstan (UES) until 2035. In order to cover prospective energy consumption in the UPS of Kazakhstan by 2035, about 17.5 GW of new generating capacities are planned to be commissioned based on various technologies and locations.

In this regard, KEGOC announces that it is starting to develop a forecast model for the development of the national power grid.

The large-scale modernisation of the national power grid should be synchronised with the commissioning of new generation capacity, ensuring the necessary inter-regional and inter-state power flows.

The future configuration of the national power grid, using modern Smart Grid technologies, should ensure the country's energy security by creating conditions for the interconnection of Zone West networks with the UPS of Kazakhstan, strengthening the networks in Zone South including the possibility of operating separately from the integrated energy system of Central Asia if necessary, large-scale integration of renewable energy sources in western, eastern and southern regions of the country, including the unique wind potential of Jungar Gate and Shelek Corridor, through network and using energy storage technology.