

# National Power Energy Development Program for 2030

## ABSTRACT

The program of development of electric power industry has conceptual character and is developed as a part of the strategy realizing the program of development of Republic Kazakhstan till 2030. Electric power industry, being one of key economic branches, plays the important role in economic, social sphere of any state. Therefore the electropower complex is defined as one of priority sectors of economy of Republic Kazakhstan and the power - economy - the nature - a society is considered as dynamically balanced system at a sustainable development of electric power industry on the basis of new highly effective technologies and constant decrease in power consumption of an internal national produce country (gross national product). The purpose and the basic priorities of the program: achievement of self-maintenance by the economy and population electric power and, as consequence, achievement of power independence, as parts of national safety of the country; Creation of export, competitive resources of the electric power, with possibility of their offer on the power markets of the adjacent and third countries; development of the competitive market of the electric power on the basis of popular for manufacturers of the transport and distributive electric system and system of dispatching management of electric power streams. The basic strategic directions in electropower branch: formation of a uniform power system (European Economic Community) of Kazakhstan; restoration of parallel work with a uniform power system (European Economic Community) of the Russian Federation and power supply systems of republics of the Central Asia; working out of model of the open competitive market of the electric power; the maximum use of existing power sources with their reconstruction and modernization; input of new capacities only as instead imported goods; improvement of structure of development of the electric power at the expense of development of nonconventional power; Reconstruction and modernization of existing systems of a heat supply with the combined development of the electric power and warmth as the effective power saving up technology allowing essentially to reduce the expense of organic fuel and to reduce emissions of hotbed gases; introduction of modern independent high-quality sources of warmth everywhere where it economically also is ecologically justified in comparison with the combined development of the electric power and warmth and the centralized heat supply from boiler-houses.