



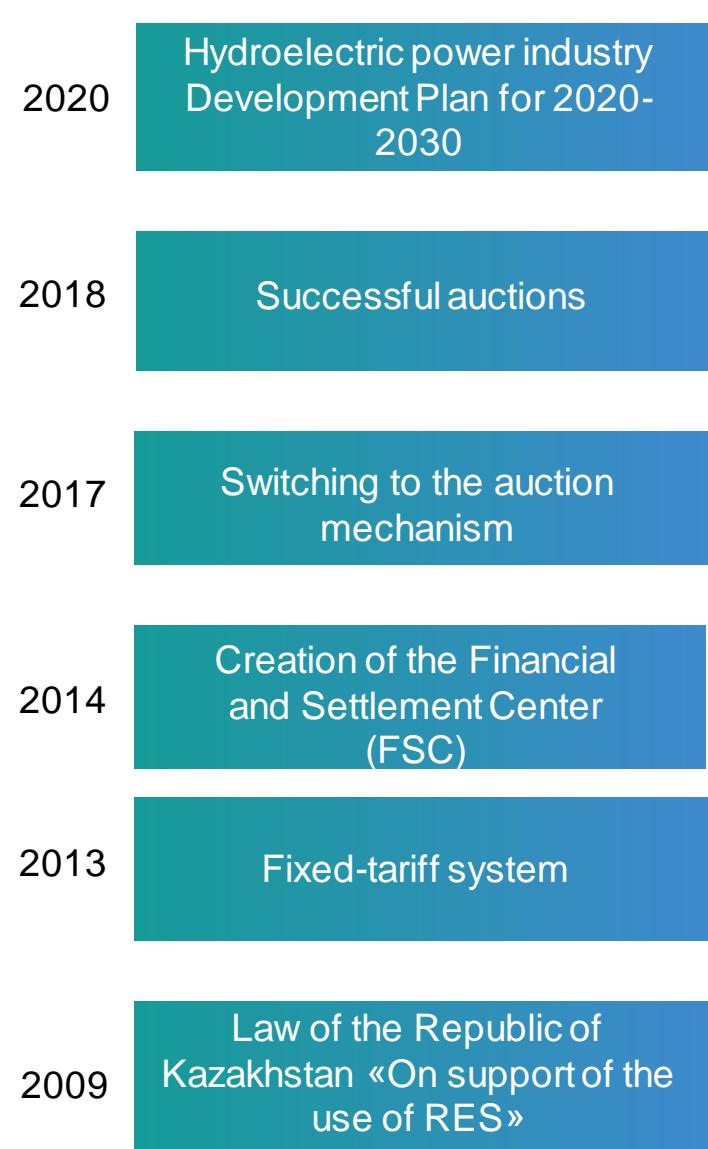
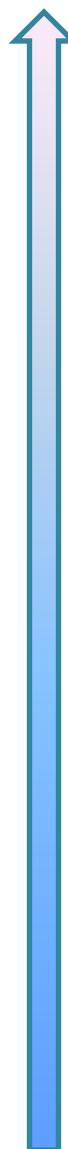
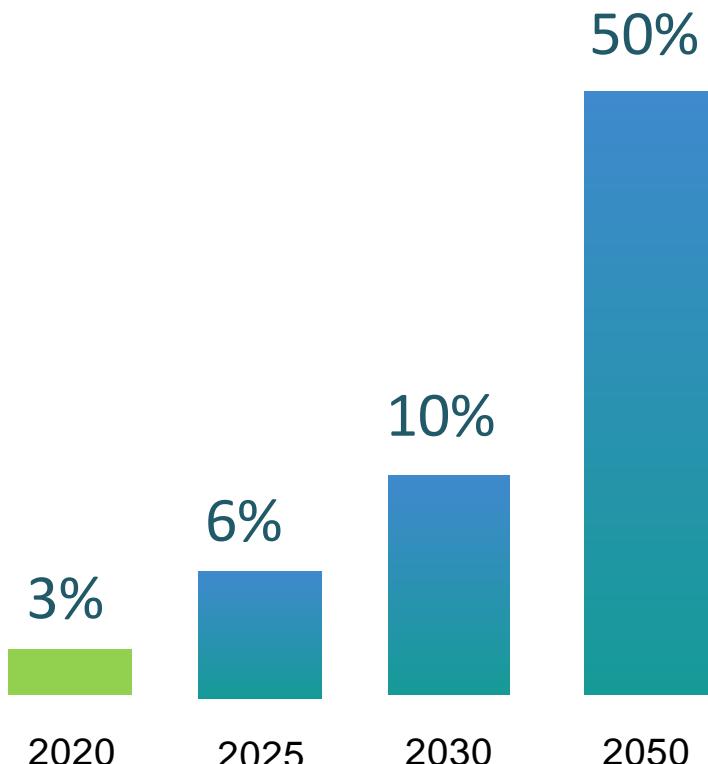
# **Issues of renewable energy resources development in Kazakhstan**

# Strategic indicators of RES development\*

Ministry of Energy of  
the Republic of  
Kazakhstan



by 2050 – 50% including alternative energy resources



\*Concept of transition of the Republic of Kazakhstan to Green economy  
Strategy of development of Kazakhstan-2025  
Strategy of development of Kazakhstan-2050



Law of the Republic of Kazakhstan  
«On support of the use of renewable energy sources»

- Purchase and sale of electricity – Financial and Settlement Center for RES support
- Standard PPA-contract form for 20 years on auction tariff in KZT
- Standard form of grid connection of the RES object
- Annual indexation of tariff – taking into account exchange rate for USD and consumer price index
- Free transportation of RES electricity
- Priority control and dispatching of electricity
- Investment preferences in the framework of Entrepreneurial Code

# DYNAMIC DEVELOPMENT RENEWABLE ENERGY 2014-2021

Ministry of Energy of  
the Republic of  
Kazakhstan



2014

26 FACILITIES



Investment of  
160 mln.\$

178 MW

Number of specialists involved

Less than 150  
2014

More than 1800  
2021

Dynamics of tariff reduction by type

100  
80  
60  
40  
20

2014

2020

-19% HPP -13,48 tenge  
-30% WPP -15,9 tenge  
-64% SPP -12,49 tenge

15.03.2021

123 FACILITIES



Investment of  
1,5 bln.\$

1897 MW

178 MW

## AUCTION RESULTS (2018-2020)

1 505  
MW

Renewable energy  
capacities exposed

installed capacity  
1 218,77 MW

25  
auctions

58  
companies

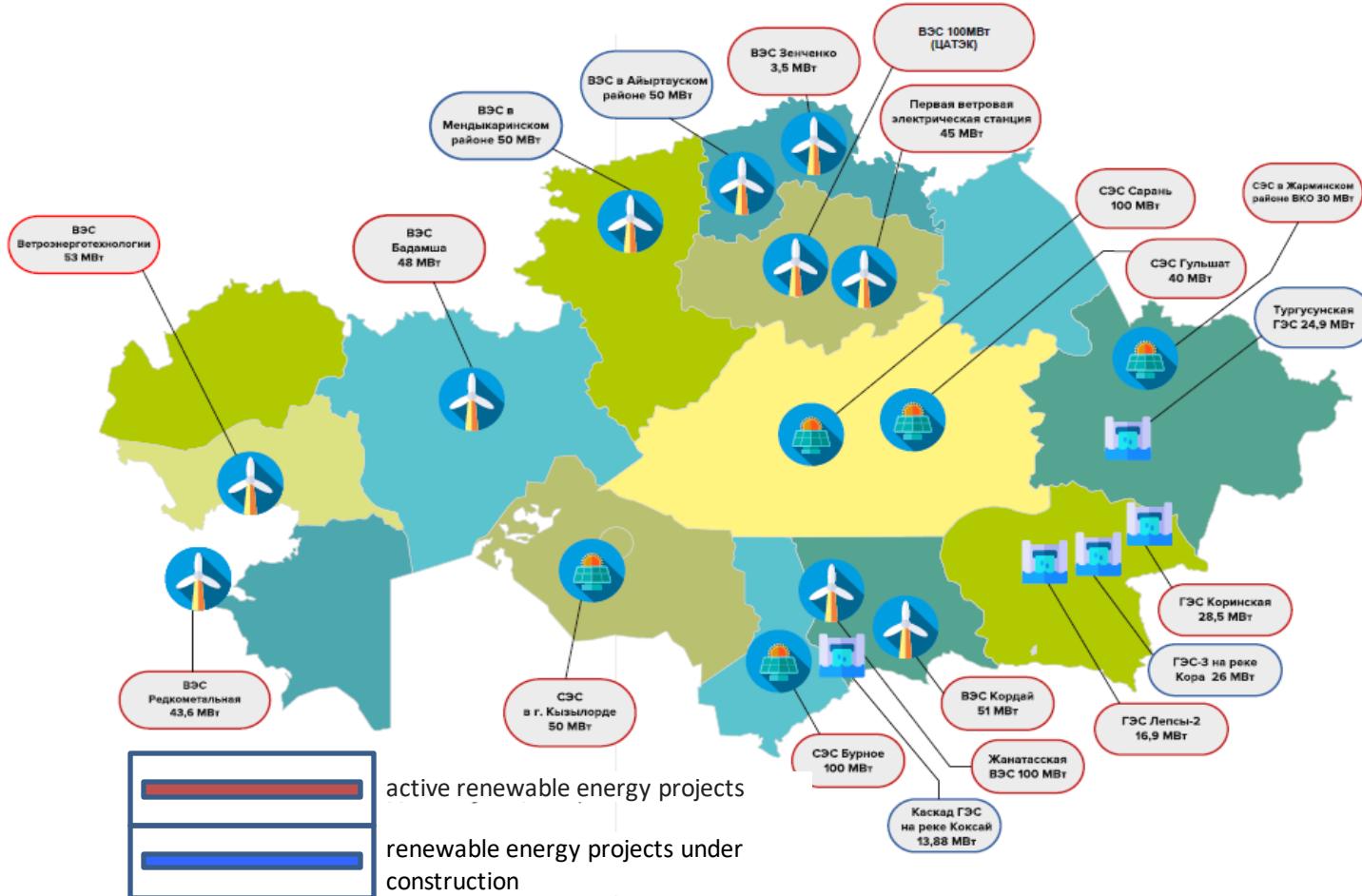
signed a contract  
with the FSC for  
15 years

Kazakhstan, China, Russia, Turkey,  
Germany, France, Bulgaria, Italy,  
United Arab Emirates, Netherlands,  
Malaysia, Spain

172  
companies  
from 12  
countries

# LARGE RENEWABLE ENERGY FACILITIES

Ministry of Energy of  
the Republic of  
Kazakhstan



active renewable energy projects

renewable energy projects under construction

626 billion tenge  
attracted investments



81 billion tenge  
taxes paid from  
renewable energy facilities



1818 permanent  
jobs  
created



# FURTHER DEVELOPMENT OF THE RENEWABLE ENERGY SECTOR AND IMPROVEMENT OF LEGISLATION

Ministry of Energy of  
the Republic of  
Kazakhstan



Conducting auctions for the selection of renewable energy projects for 250 MW

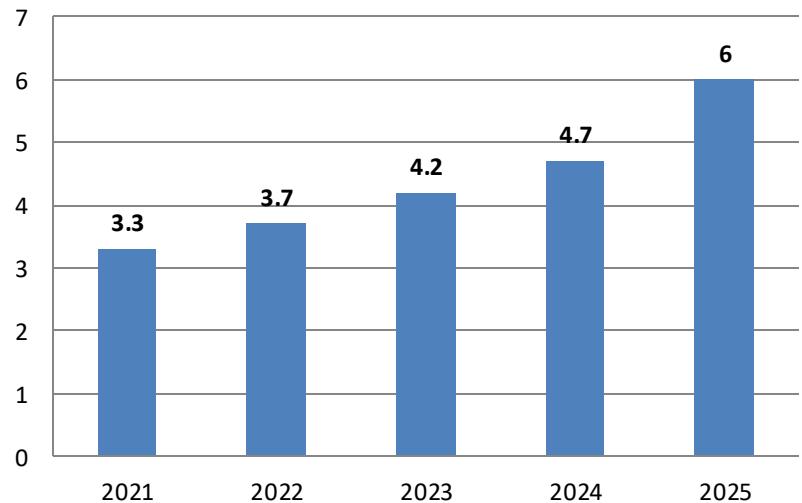
Increase in the volume of clean energy by 2 times until 2025  
\* reflected in the Nur Otan Party program

Development of renewable energy sources with electricity storage systems

Improving the mechanism of distributed generation of RES among the population and SME

Provision of incentive mechanisms for large hydroelectric power plants

## SHARE OF RES IN TOTAL ELECTRICITY PRODUCTION, %



### Useful links:

#### *Investor guide –*

<https://www.gov.kz/memleket/entities/energo/documents/details/68180?lang=en> ;  
<https://spaq.kz> ; <https://www.kazenergy.com> ;  
<https://www.korem.kz/> ; <https://rfc.kegoc.kz/>



Thanks for attention!