



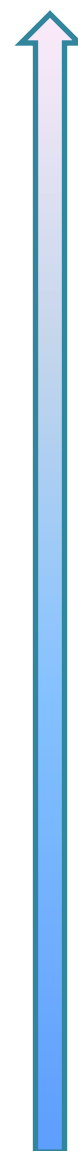
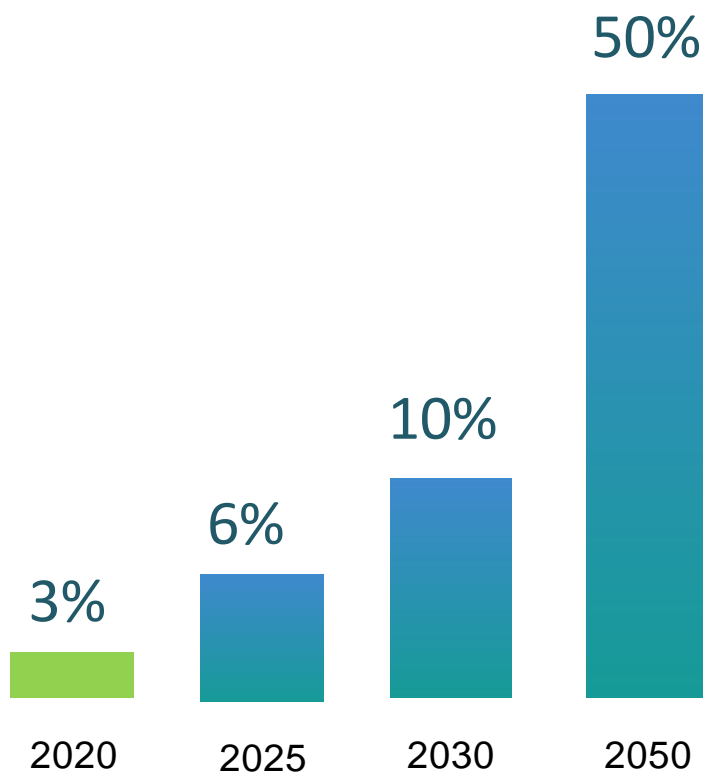
# **Issues of renewable energy resources development in Kazakhstan**

# Strategic indicators of RES development\*

Ministry of Energy of  
the Republic of  
Kazakhstan



*by 2050 – 50% including alternative  
energy resources*



2020  
Hydroelectric power industry  
Development Plan for 2020-  
2030

2018  
Successful auctions

2017  
Switching to the auction  
mechanism

2014  
Creation of the Financial  
and Settlement Center  
(FSC)

2013  
Fixed-tariff system

2009  
Law of the Republic of  
Kazakhstan «On support of the  
use of RES»

*\*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

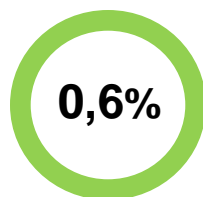
# DYNAMIC DEVELOPMENT RENEWABLE ENERGY 2014-2021

Ministry of Energy of  
the Republic of  
Kazakhstan



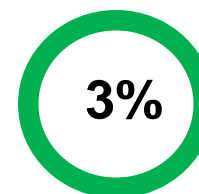
**2014**

**26 FACILITIES**



**15.03.2021**

**123 FACILITIES**



Number of specialists involved

More than 1800

2021

Less than 150  
2014

Dynamics of tariff reduction by type



Investment of  
160 mln.\$

Investment of  
1,5 bln.\$



**178 MW**



**1897 MW**

100

80

50

20

2014

2020

-19% HPP -13,48 tenge

-30% WPP -15,9 tenge

-64% SPP -12,49 tenge

## AUCTION RESULTS (2018-2020)

**1 505  
MW**

Renewable energy  
capacities exposed

installed capacity  
**1 218,77 MW**

**25  
auctions**

**58  
companies**

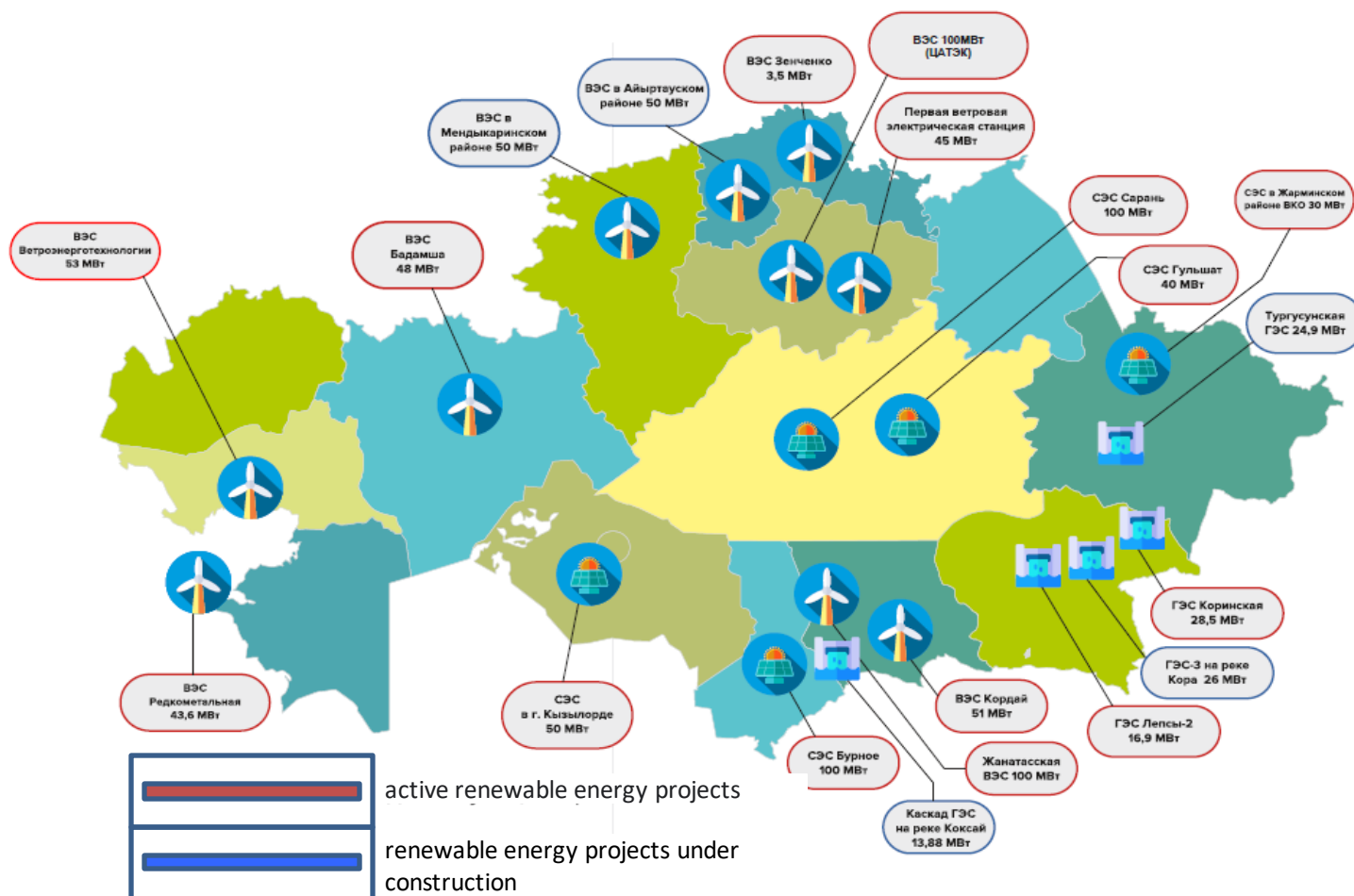
signed a contract  
with the FSC for  
15 years

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

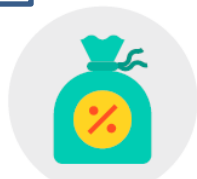
**172  
companies  
from 12  
countries**

# LARGE RENEWABLE ENERGY FACILITIES

Ministry of Energy of  
the Republic of  
Kazakhstan



626 billion tenge  
attracted  
investments



81 billion tenge  
taxes paid from  
renewable energy facilities



1818 permanent  
jobs  
created



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

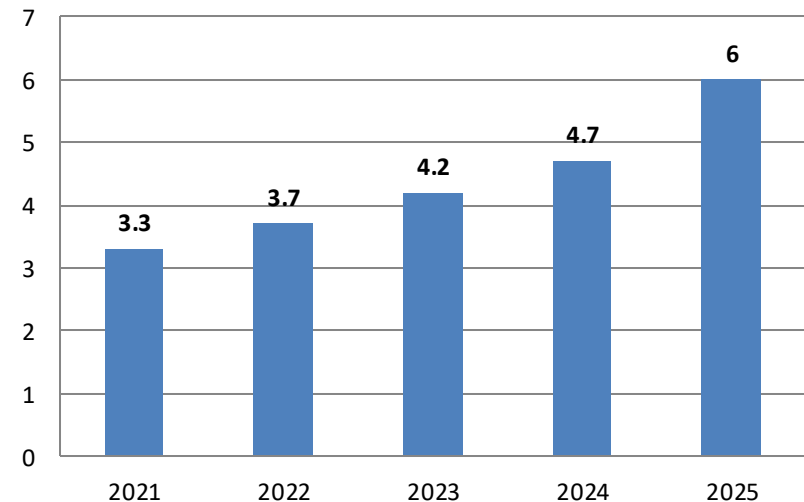
Increase in the volume of clean energy by 2 times until 2025  
\* reflected in the Nur Otan Party program

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!