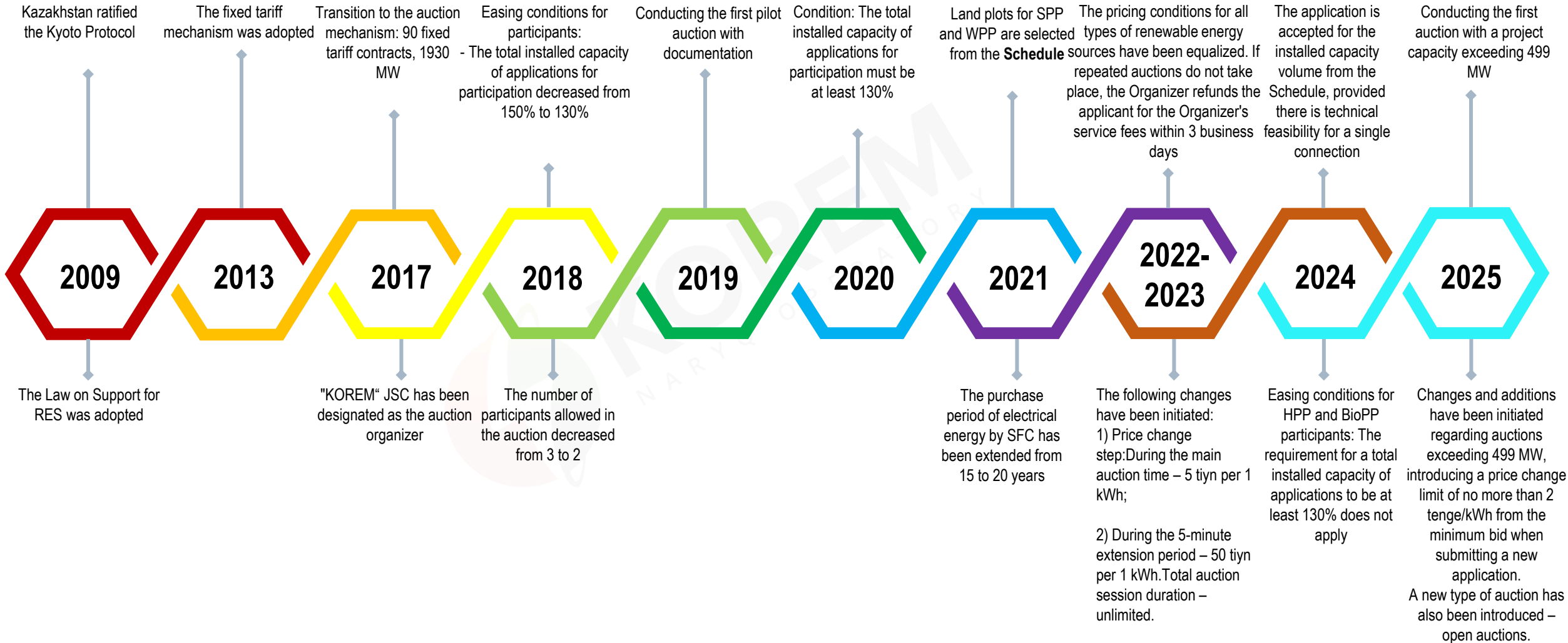


# Auction bidding

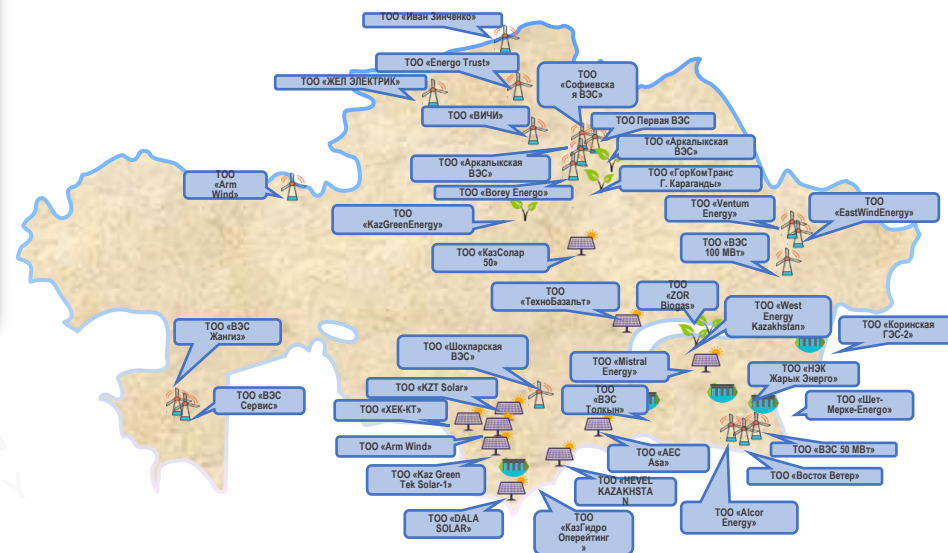
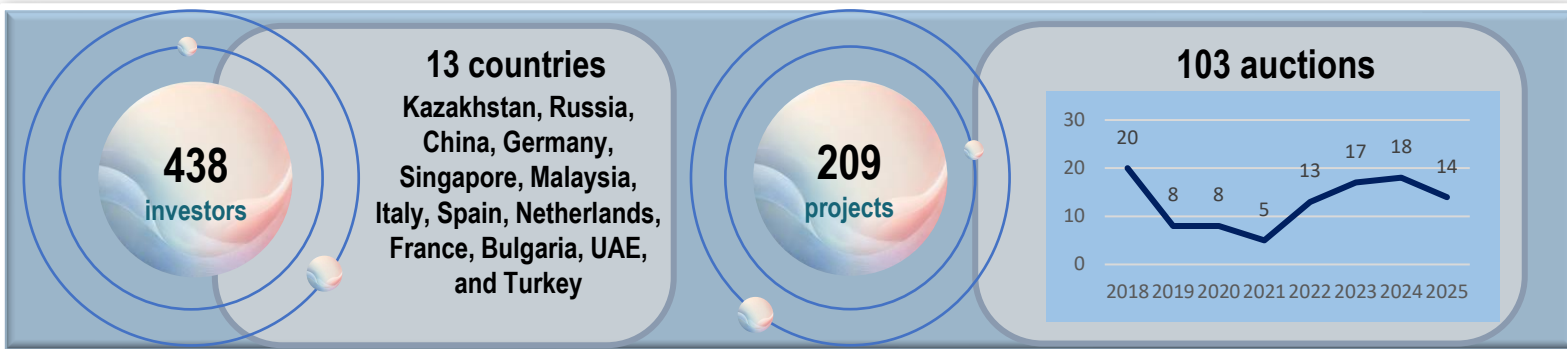
## RENEWABLE ENERGY SOURCES

# The history of RES in Kazakhstan

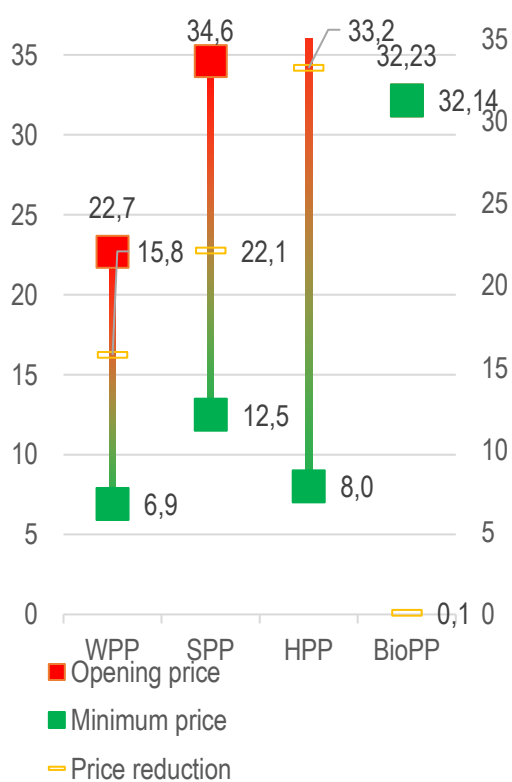


# Auctions for the selection of projects for the construction of RES

Location of operational RES facilities

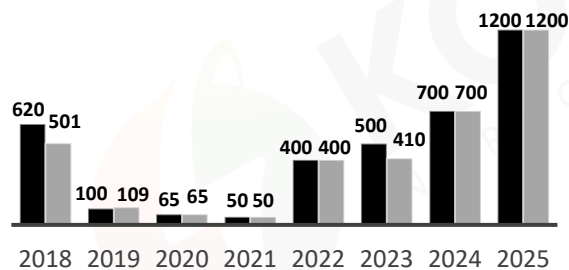


AUCTION PRICES, KZT/kWh



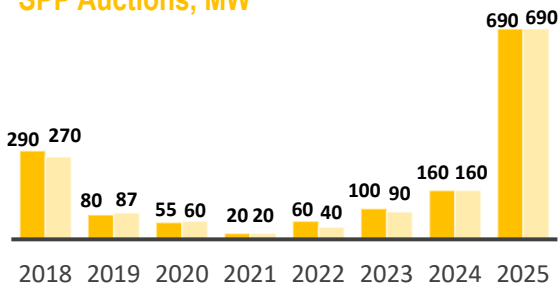
As a result of the auction trades conducted from 2018 to 2025, projects were selected

WPP Auctions, MW



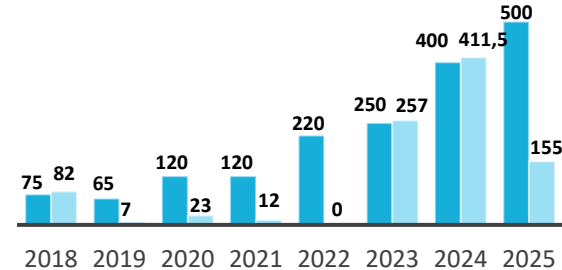
**94,5%**  
**WPP**  
Construction of wind power plants

SPP Auctions, MW



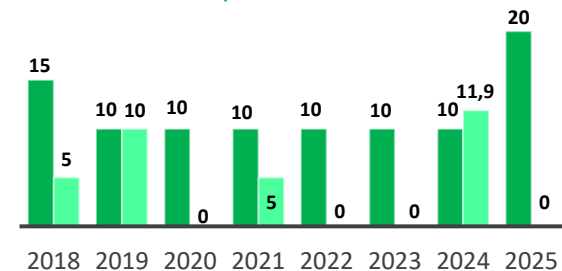
**97,4%**  
**SPP**  
Construction of solar power plants

HPP Auctions, MW



**54,2%**  
**HPP**  
Construction of hydropower plants

BioPP Auctions, MW



**45,3%**  
**BioPP**  
Construction of bioelectric power plants

**01**

### 5 year PLAN

For the organization and conduct of auctions for the selection of RES project construction

Maximum auction price in tenge/kWh for 2023-2027

HPS – 41,23  
 SPS – 34,61  
 WES – 22,68  
 Bioenergy – 32,23

**02**

### 7 GW By 2030

The commissioning of RES generating capacities is planned

## Key industry development indicators by 2050

Implementation of the strategy to achieve carbon neutrality of the Republic of Kazakhstan's economy by 2060

**03**

### 15% of the total generation

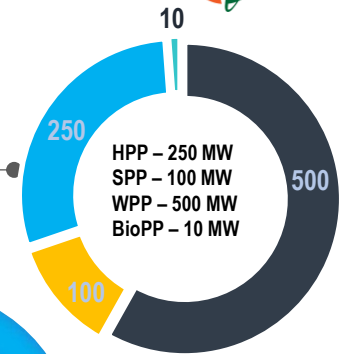
The share of RES in the country's total generation by 2030

**04**

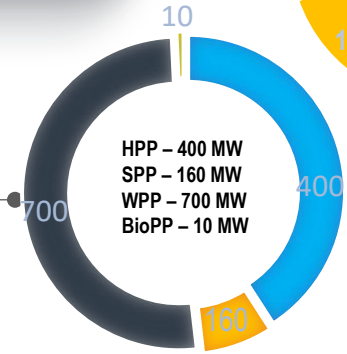
### 50% of the total production volume

The share of alternative energy sources and RES by 2050

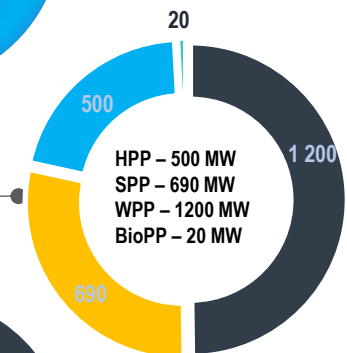
**2023**



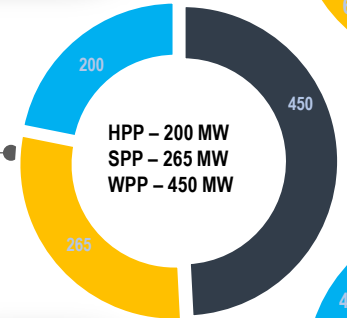
**2024**



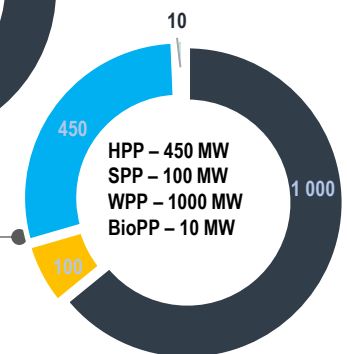
**2025**



**2026**



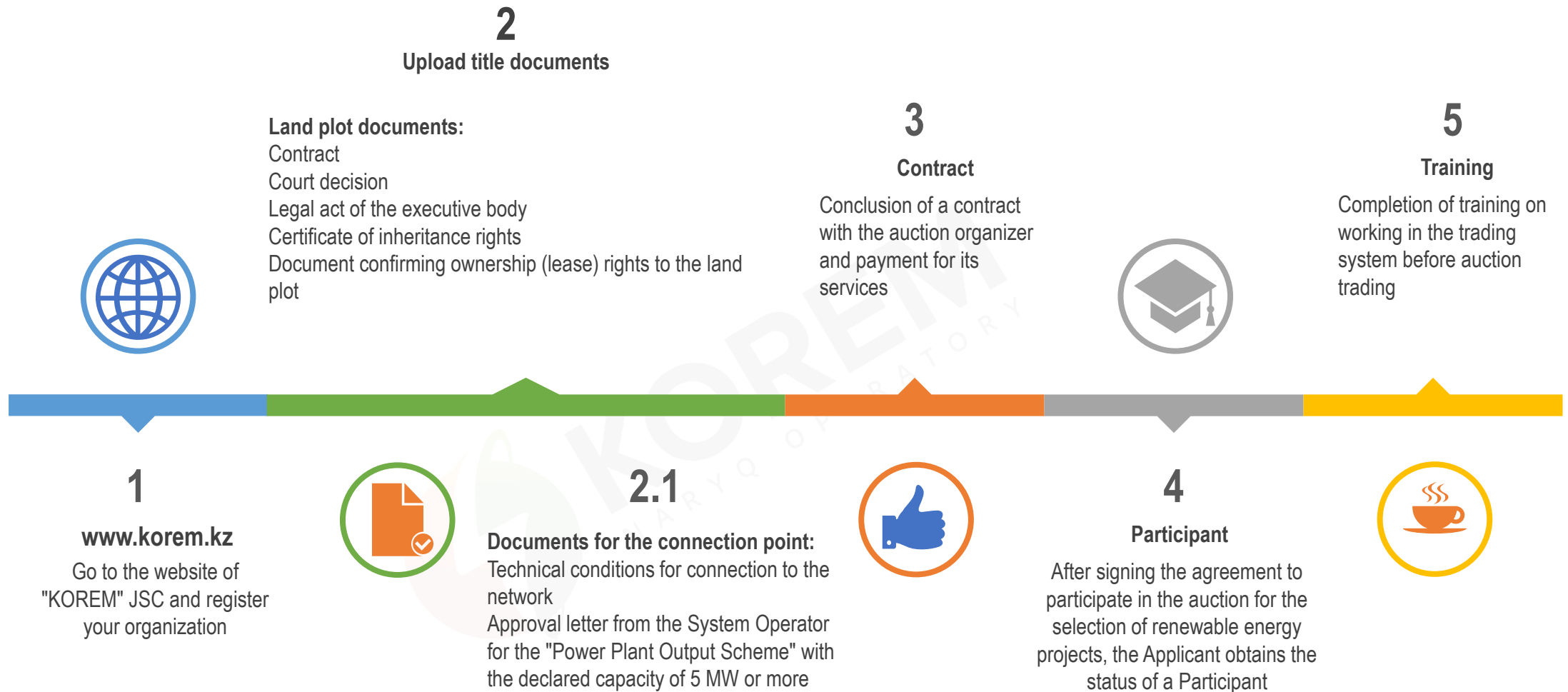
**2027**



# AUCTION TRADING SCHEDULE

	Purchased capacity volume, MW	UPS Zone of the RK	Region	Auction date	Project size	Maximum auction price, KZT/kWh	S/S	Auction type
<b>WPP</b>	<b>250</b>	<b>Western</b>	<b>Atyrau</b>	<b>27.04.2026</b>	<b>Large</b>	<b>22,68</b>	<b>-</b>	<b>Open</b>
<b>SPP</b>	<b>50</b>	<b>Sothern</b>	<b>Turkistan</b>	<b>28.04.2026</b>	<b>Large</b>	<b>34,61</b>	<b>-</b>	<b>Open</b>
<b>SPP</b>	<b>100</b>	<b>Sothern</b>	<b>Almaty</b>	<b>29.04.2026</b>	<b>Large</b>	<b>34,61</b>	<b>-</b>	<b>Open</b>
<b>SPP</b>	<b>50</b>	<b>Sothern</b>	<b>Almaty</b>	<b>30.04.2026</b>	<b>Large</b>	<b>34,61</b>	<b>-</b>	<b>Open</b>
<b>SPP</b>	<b>65</b>	<b>Sothern</b>	<b>Kyzylorda</b>	<b>18.05.2026</b>	<b>Large</b>	<b>34,61</b>	<b>-</b>	<b>Open</b>
<b>WPP</b>	<b>100</b>	<b>Northern</b>	<b>Aktobe</b>	<b>19.05.2026</b>	<b>Large</b>	<b>22,68</b>	<b>“Ulke” SS</b>	<b>Without documentation</b>
<b>WPP</b>	<b>100</b>	<b>Northern</b>	<b>Ulytau</b>	<b>20.05.2026</b>	<b>Large</b>	<b>22,68</b>	<b>“Zhezkazgan” SS</b>	<b>Without documentation</b>
<b>HPP</b>	<b>150</b>	<b>All zones</b>	<b>-</b>	<b>21.05.2026</b>	<b>Large</b>	<b>41,23</b>	<b>-</b>	<b>Without documentation</b>
<b>HPP</b>	<b>50</b>	<b>All zones</b>	<b>-</b>	<b>22.06.2025</b>	<b>Large</b>	<b>41,23</b>	<b>-</b>	<b>Without documentation</b>

# Registration in the trading system

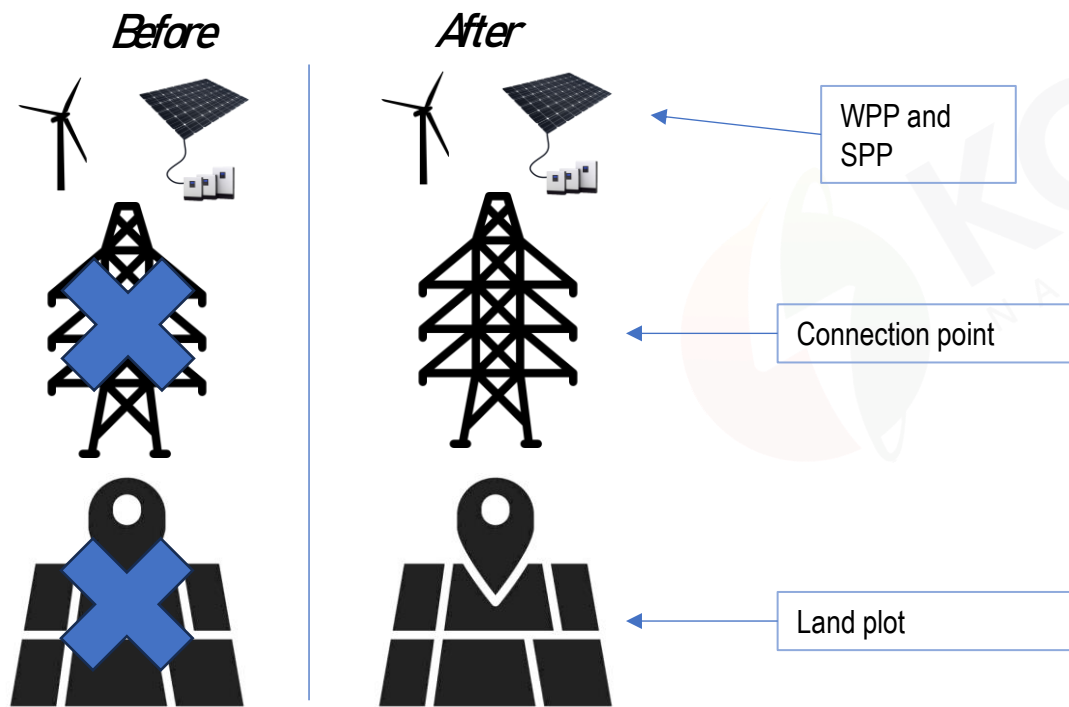


Foreign Applicants upload similar documents translated into the state or Russian language and notarized

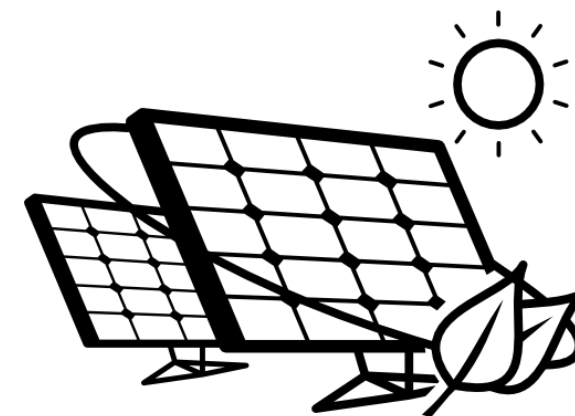
# The introduction of a new type of auction – open auctions without documentation, with the connection point and land plot provided by the bidder

The above type of auction enables participants that have their own connection point and land plot to participate in WPP and SPP auctions, since the holding of auctions for these types of generation without documentation, with the bidder's connection point and land plot, was specified in the schedule published by the authorized body.

One of the conditions is as follows:  
Wind and solar power plants implemented under open auctions shall be equipped with electric energy storage systems with a capacity of:



for wind power plants – with a capacity of at least 30% of the facility's installed capacity and an energy capacity sufficient to deliver power for at least two hours.

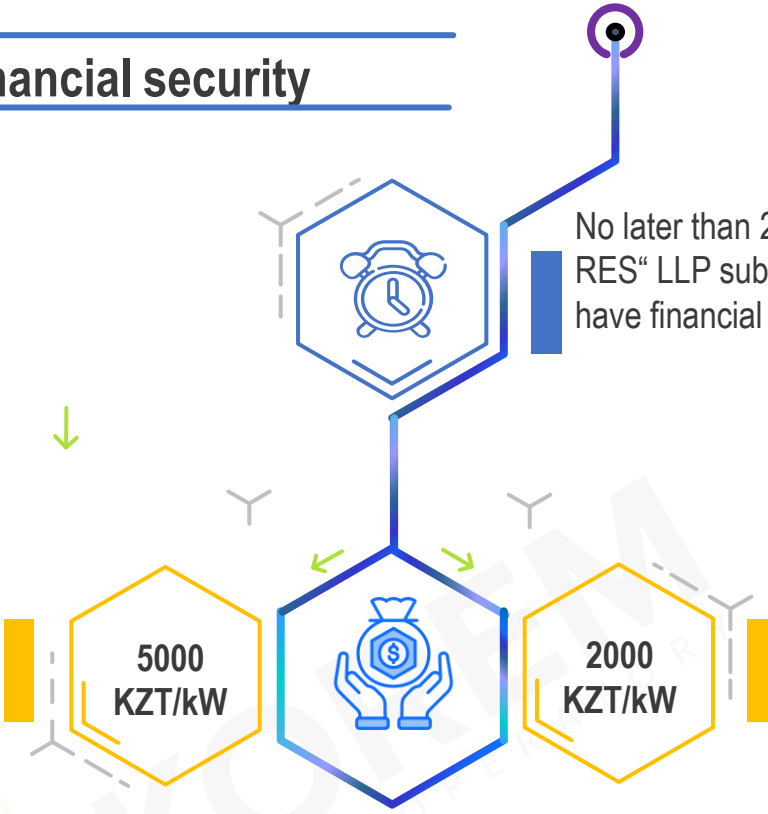


for solar power plants – with a capacity of at least 30% of the facility's installed capacity and an energy capacity sufficient to deliver power for at least four hours.

# Financial security

No later than 2 hours before the start of the auction, "SFC for RES" LLP submits to "KOREM" JSC a list of applicants who have financial security for the application in the amount of:

•Per 1 kW of the installed capacity of an RES facility, **for participation in auctions without documentation and open auctions with a project capacity exceeding 499 MW, as well as in auctions with documentation**

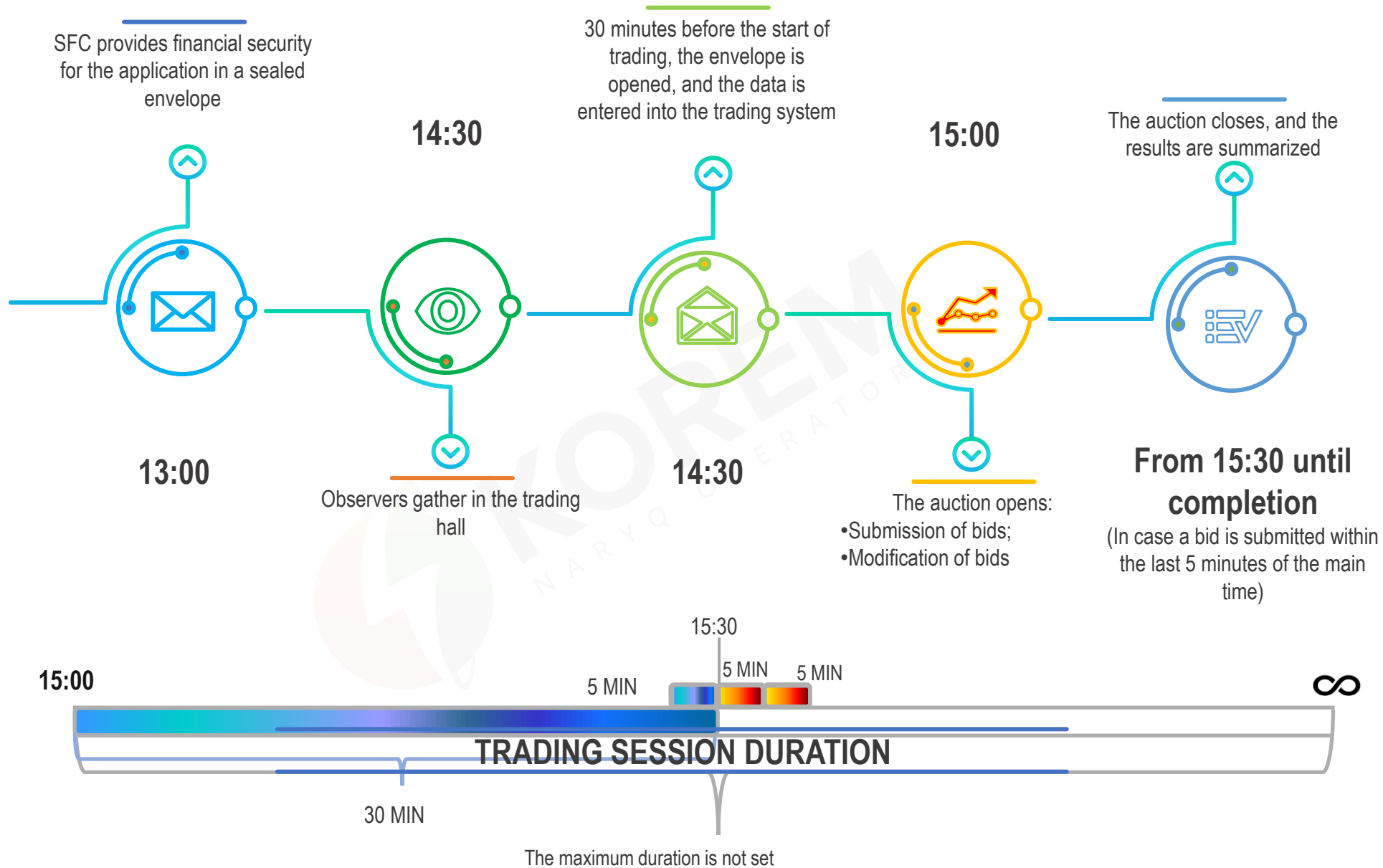


•Per 1 kW of the installed capacity of an RES facility, **for participation in auctions without documentation and open auctions with a project capacity of up to 499 MW**

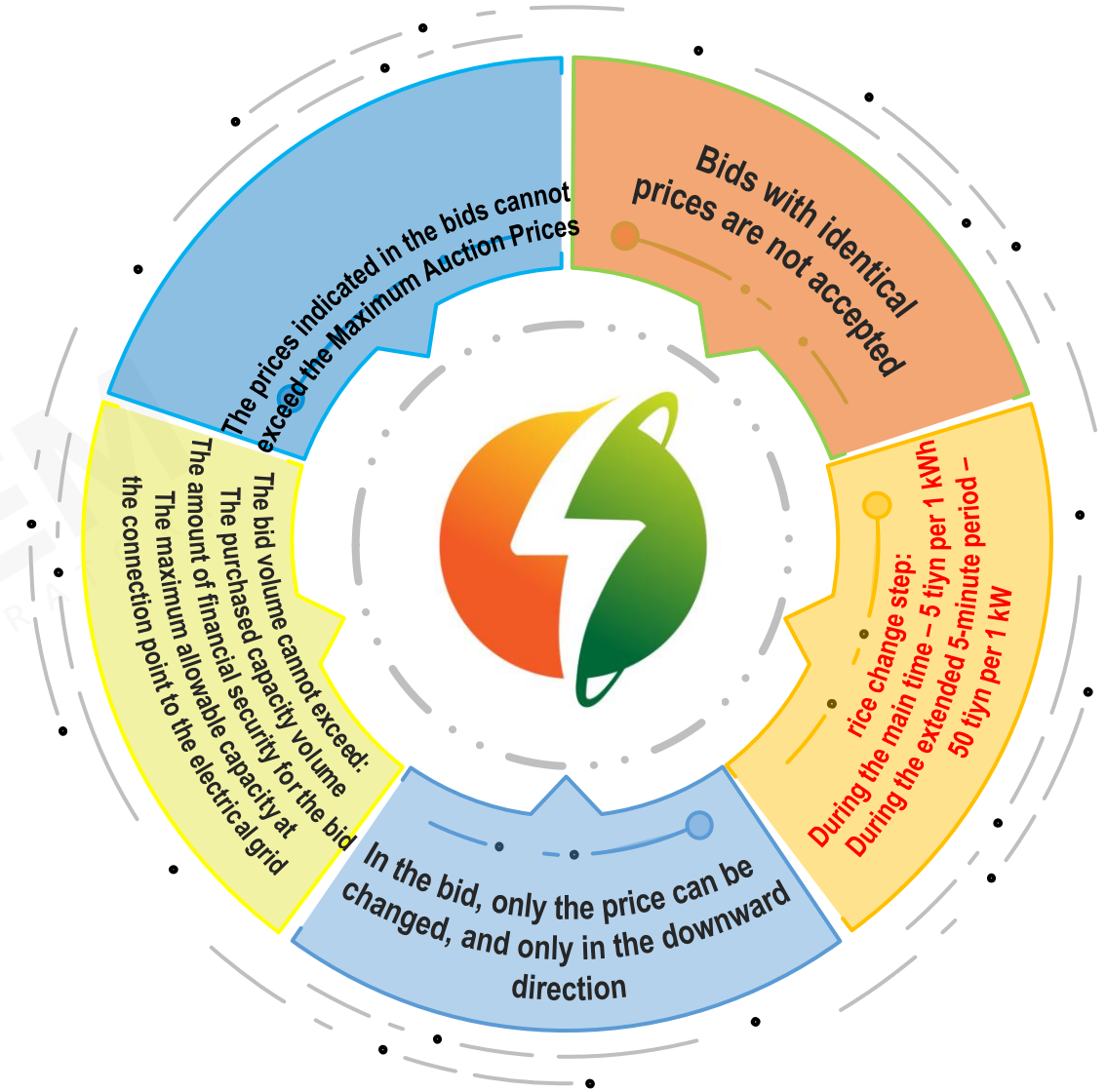
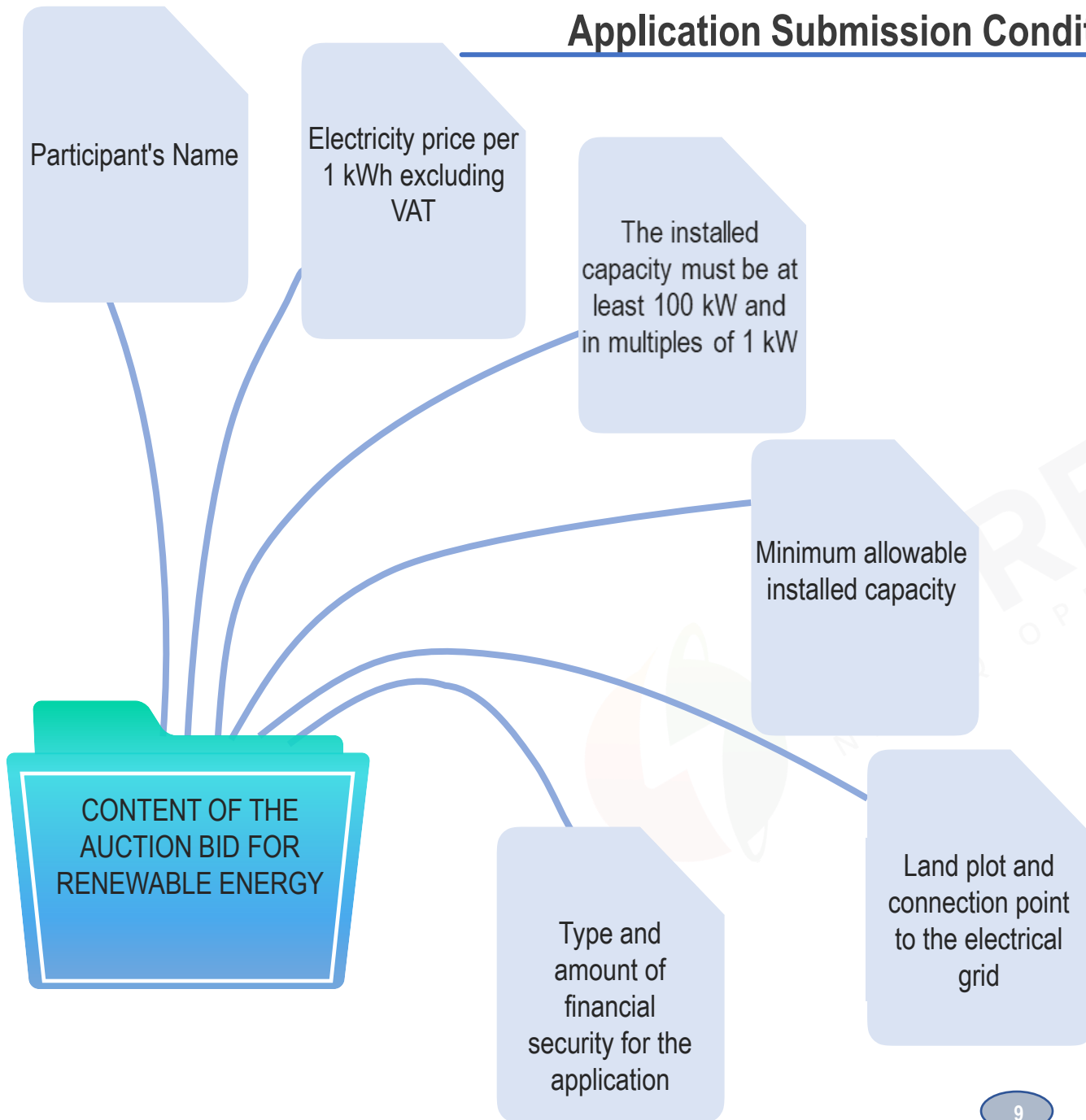
Required commissioning date

<b>HPP – 60 months</b> <b>BioPP – 36 months + 1 year</b> for exploratory works from the contract date, subject to the availability of financial security.		
<u>Exceeding 499 MW</u> <b>WPP – 48 months</b> <b>SPP – 36 months</b>	<b>PPA term</b> <b>20 years</b>	<u>Up to 499 MW</u> <b>WPP – 36 months</b> <b>SPP – 24 months</b>

# AUCTION TRADING DAY FOR RES



# Application Submission Conditions



# Price Calculation

## Price Calculation Conditions

The total installed capacity of bids for participation in the auction for sale must be **at least 130% of the demand volume (excluding HPP and BioPP)**

130%

The number of participants registered and admitted to the respective auction must be **at least two**

2 participants

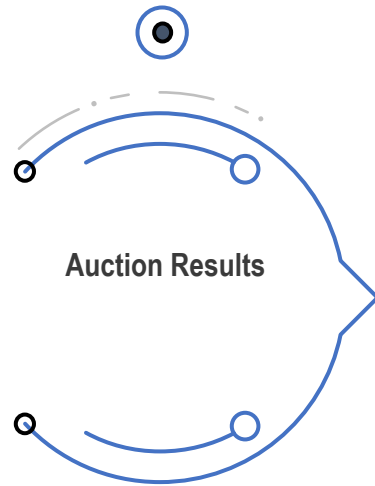
If these conditions are not met, the Organizer does not calculate prices, closes the auction before the scheduled end of the trading session, and **declares the auction null and void**

# Auction Results

**1**

Based on the auction results, the following are determined:

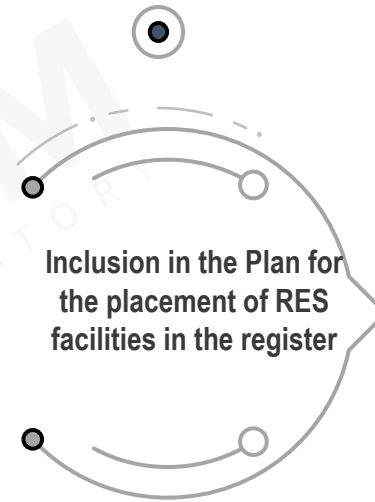
- Auction **winner**s;
- Auction **price**s;
- Selected capacity **volume**s



Auction Results

**3**

Within **5 working days** after receiving the Register of Winners from the Organizer, the Ministry of Energy of the Republic of Kazakhstan includes the winners in the plan of RES facilities location and the list of energy producing organizations using RES.



Inclusion in the Plan for the placement of RES facilities in the register

**2**

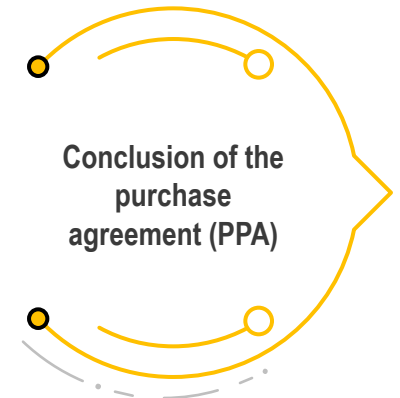
The register of auction winners is formed and published on the Organizer's **website within 1 hour after** the closing of the trading session



Formation of the winners' register

**4**

Winners submit applications for concluding a purchase agreement with the SFC **within 60 calendar days** after being included in the auction winners' register



Conclusion of the purchase agreement (PPA)

# Auction Observers

The number of observers is up to 8 people

Observers' Tasks:

Verification of the envelope's integrity and the list of applicants with financial security

Monitoring the actions of the auction organizer

Monitoring the trading session process and the determination of auction winners



## The service for organizing and conducting auction trading includes:



Registration of auction participants for the selection of renewable energy projects



Ensuring the modification of software and information components of the Trading System in accordance with the current legislation in the field of electric power



Maintaining the trading system in constant operational condition for conducting auctions for the selection of renewable energy projects



Conducting training for trading operators of auction participants for the selection of renewable energy projects



Organization and conduct of auctions for the selection of renewable energy projects

To learn how to work with the trading system's software applications, you have several options:

Undergo training with the auction organizer

Undergo self-training

# TRAINING

To undergo training with the organizer, you need to:

You can independently learn to work with the trading system software

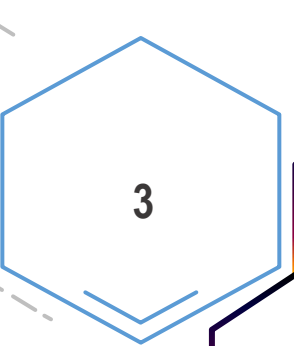
Your company has decided to participate in auction trading, and you are tasked with learning to work with the trading system software

Sign a contract and pay for the service



For this, you need to:

Review the training programme.

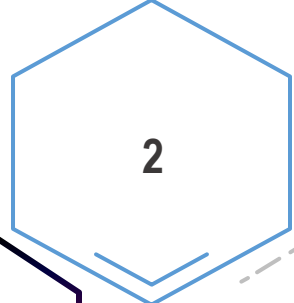


The employee sent for training must review the internal documents of the Organizer



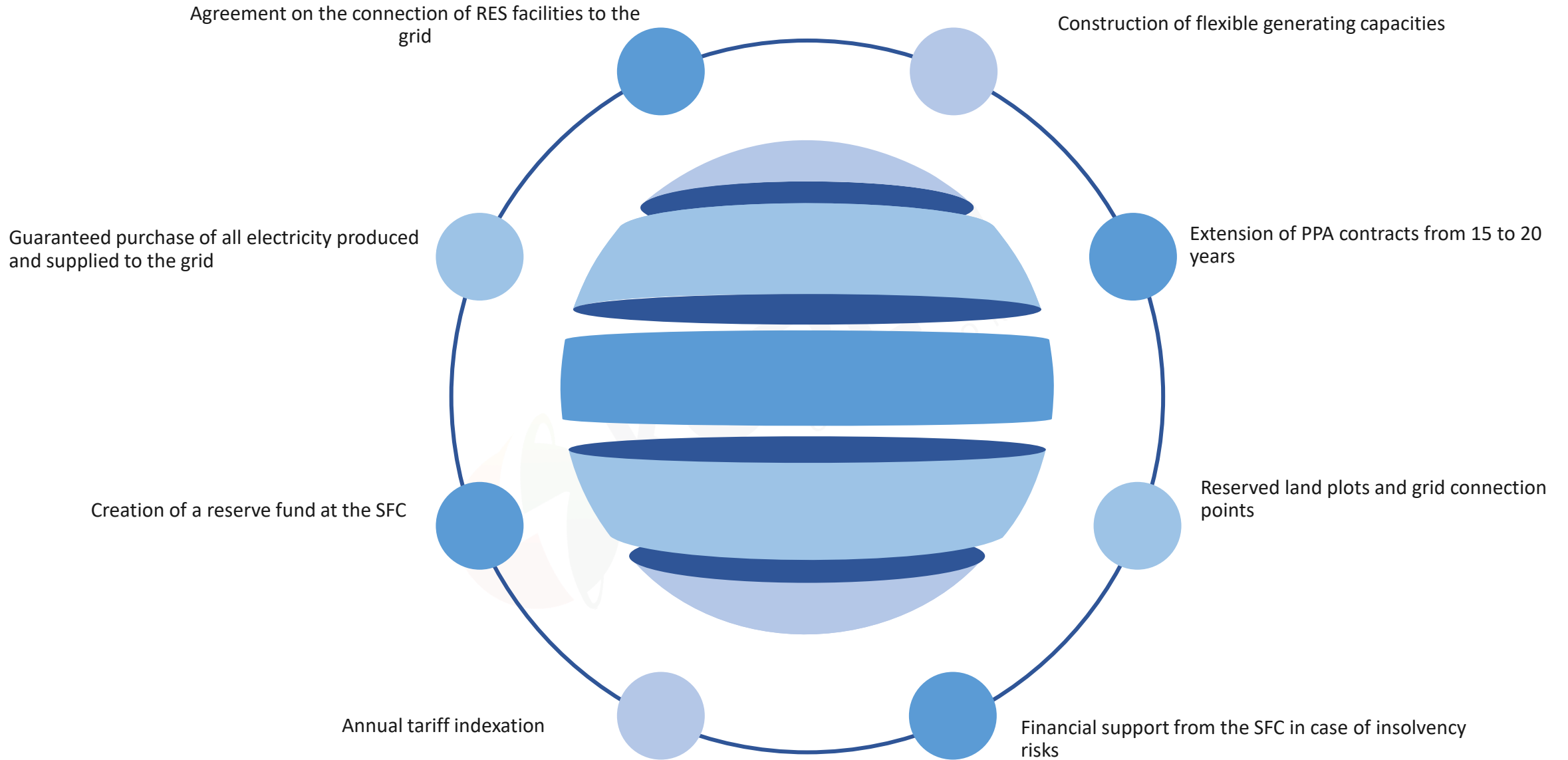
Choose the time and date for the training

Study the internal documents of the organizer



Complete the interactive training on the website [www.vie.korem.kz](http://www.vie.korem.kz)

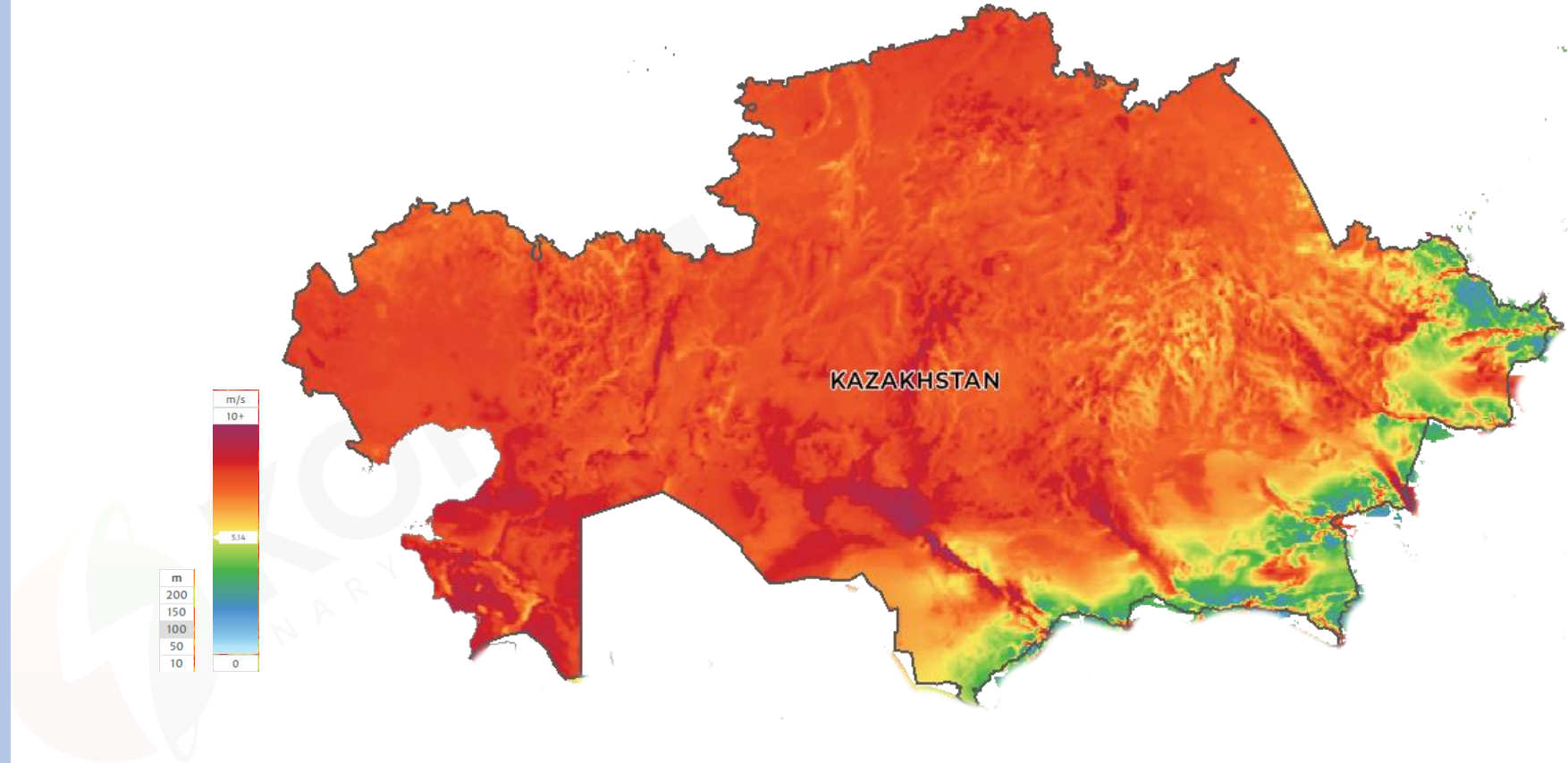
# Legislatively established preferential conditions for the RES in Kazakhstan



# Wind potential map

## Republic of Kazakhstan

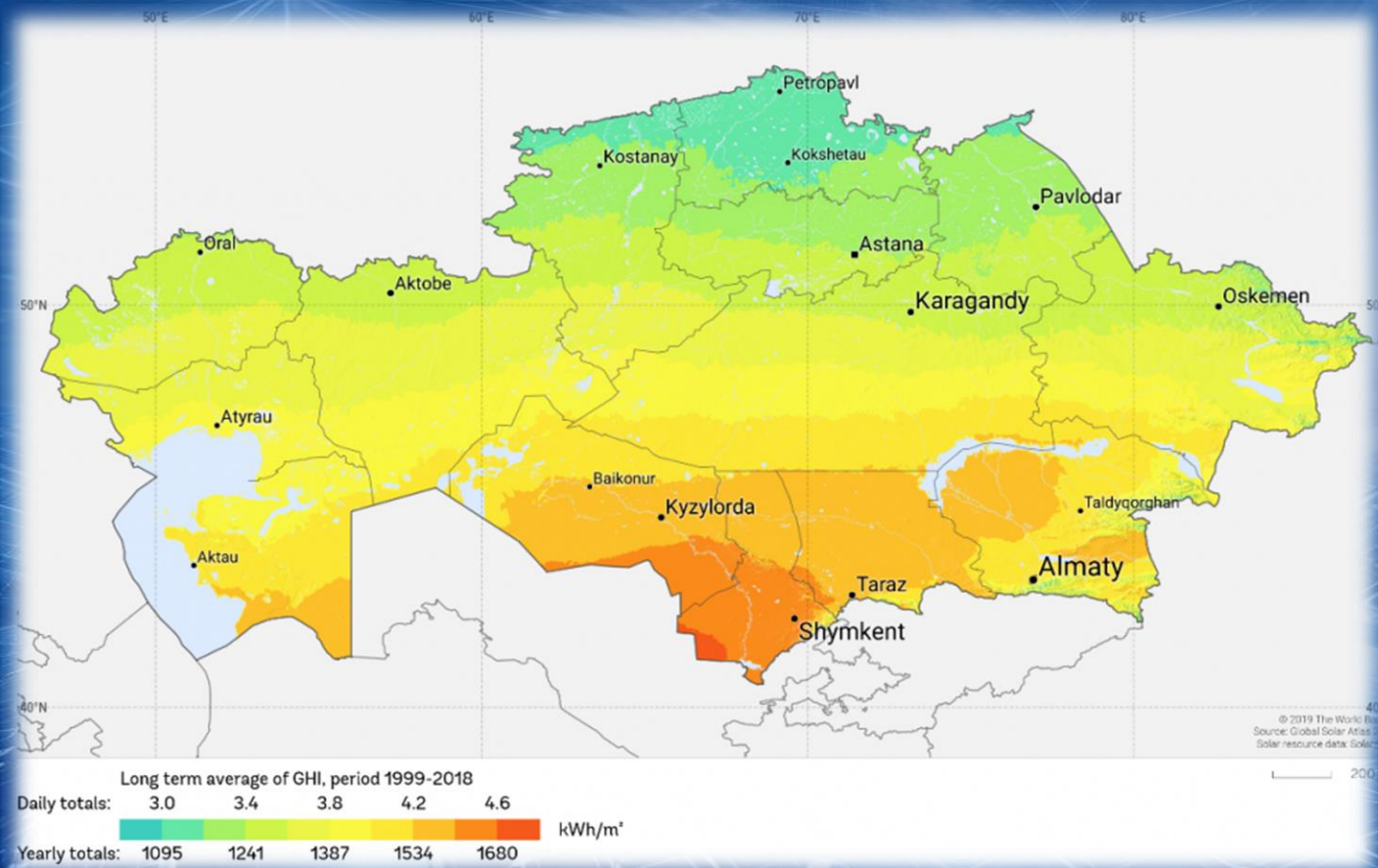
- Ranks **9th** in the world by land area
- Has significant **wind energy potential**
- **In the next 7 years**, Kazakhstan has every opportunity to become a global leader in wind power development, which will be:
  - Highly stable,
  - Evenly distributed across the country,
  - Minimally impacting tariff growth for end consumers



The climate in Kazakhstan is favorable for the construction of wind power plants due to the presence of wind corridors with wind speeds exceeding 5 m/s, which is necessary for the operation of wind turbines.

The Caspian region, central and northern Kazakhstan, as well as southern and southeastern Kazakhstan, have the highest wind energy potential.

According to the Ministry of Energy of Kazakhstan, the country's wind energy potential is estimated at 920 billion kWh of electricity annually.

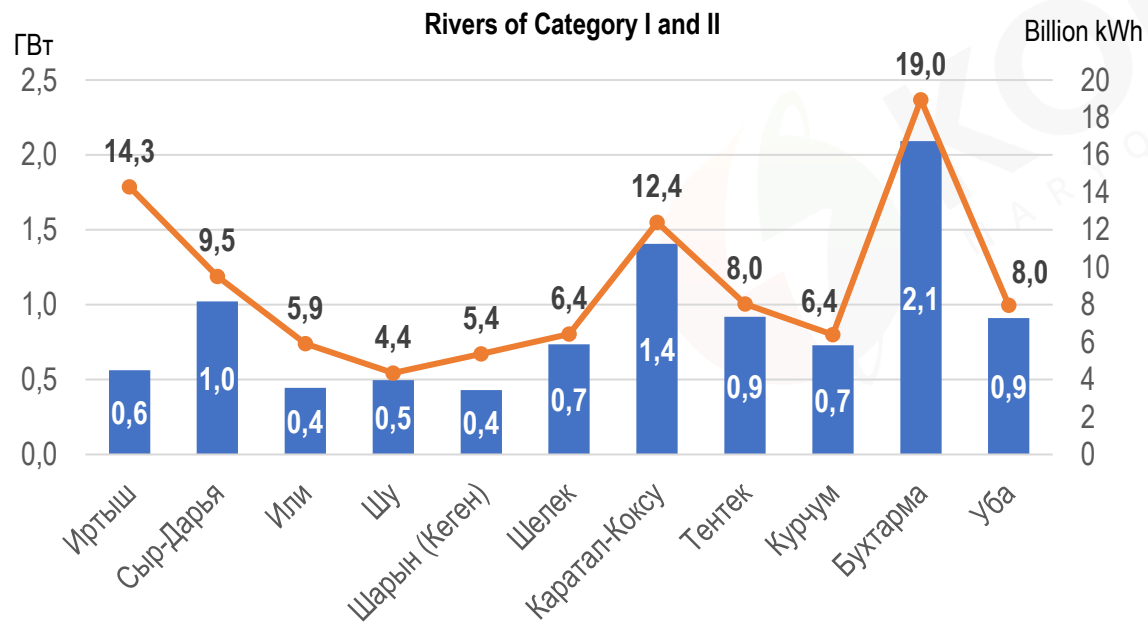
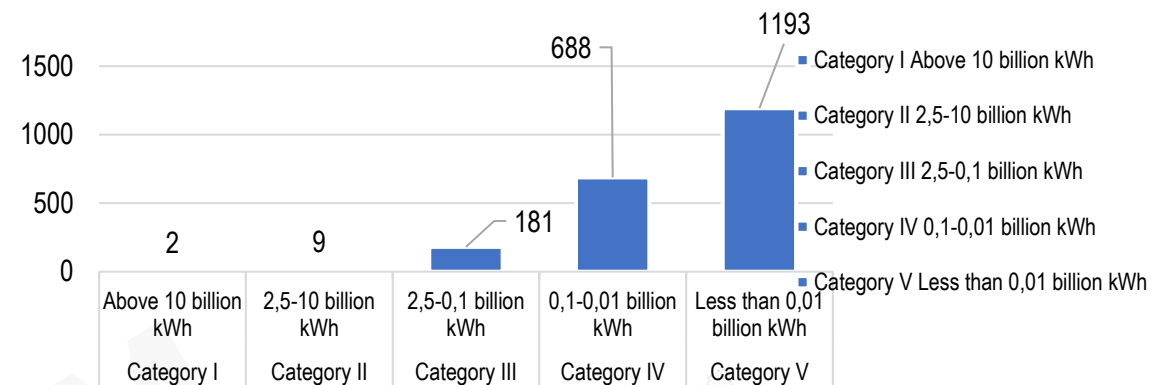


Solar energy has immense potential as a renewable energy source due to Kazakhstan's vast, sparsely populated territories and favorable climatic conditions, especially in the south, where the sun shines for 2,200 to 3,000 hours per year.

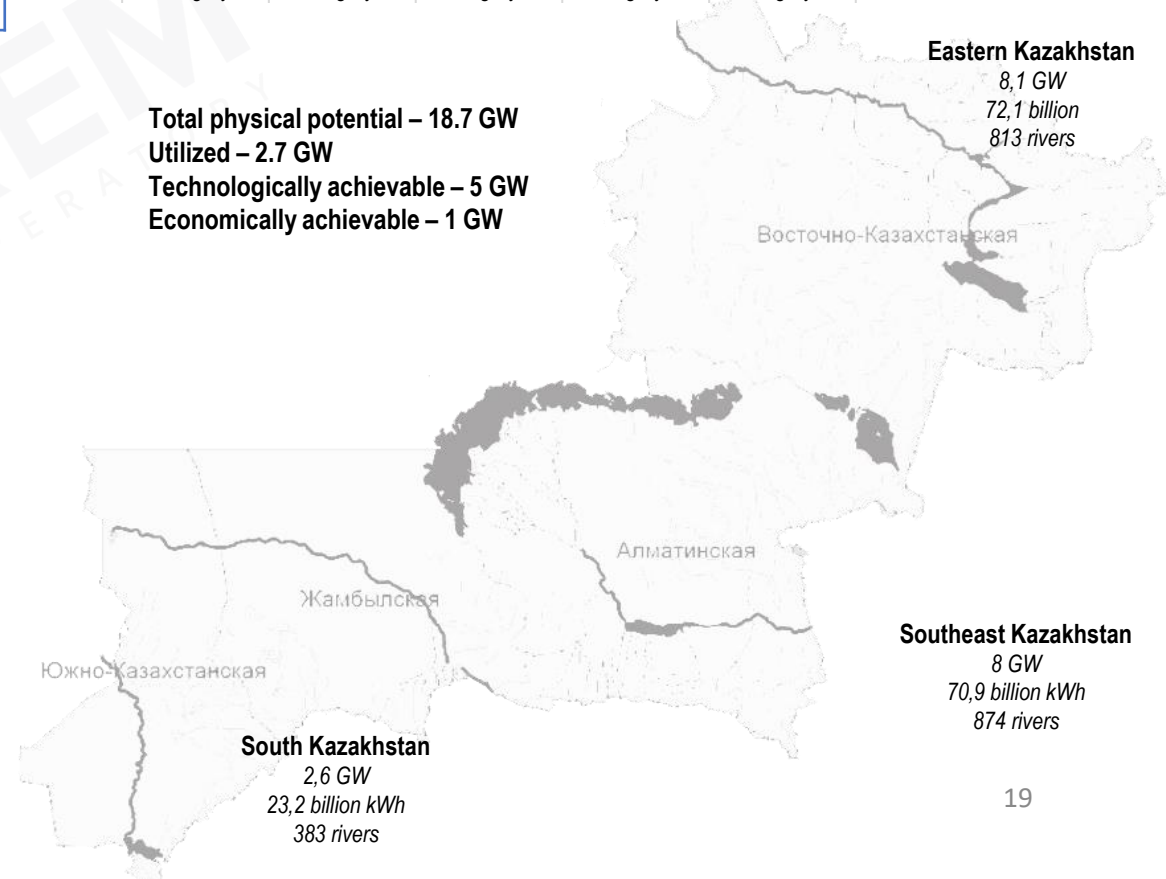
Kazakhstan's solar energy potential is estimated at 1 trillion kWh. The most favorable areas for solar power generation are the Aral Sea region and the southern regions of Kazakhstan, which face electricity shortages.

# Information and characteristics of Kazakhstan's hydropower potential

Hydropower potential	Number of rivers	Category I: Above 10 billion kWh	Category II: 2.5–10 billion kWh	Category III: 2.5–0.1 billion kWh	Category IV: 0.1–0.01 billion kWh	Category V: Less than 0.01 billion kWh
Southern Kazakhstan	383	1	1	20	74	287
Southeastern Kazakhstan	874	-	5	89	340	440
Eastern Kazakhstan	813	1	3	72	274	466
<b>TOTAL</b>	<b>2070</b>	<b>2</b>	<b>9</b>	<b>181</b>	<b>688</b>	<b>1193</b>



**Total physical potential – 18.7 GW**  
**Utilized – 2.7 GW**  
**Technologically achievable – 5 GW**  
**Economically achievable – 1 GW**



# Calendar plan

## Auction Trades of 2026

HPPs, all zones, total capacity 200 MW, tariff KZT 41.23, 21–22 May 2026. WPPs, Northern and Western zones, total capacity 450 MW, tariff KZT 22.68, 27 April and 19–20 May 2026. SPPs, Southern zone, total capacity 265 MW, tariff KZT 34.61, 28–30 April and 18 May 2026

### Document submission

From 27 March 2026  
Document review (2 business days); issuance of the draft Contract and invoice for payment by JSC "KOREM".



### Financial security

Provision of financial security for the auction participation application to LLP "SFC for RES"

### Contract and payment

The deadline for submitting the signed contract to JSC "KOREM" is one day before the auction (no later than 12:00 Astana time).  
The deadline for payment for JSC "KOREM" services is one day before the auction (no later than 18:00 Astana time).



### List of EPO

Inclusion of winners in the List of Power Generating organizations in the RES facility placement plan of the Ministry of Energy of the Republic of Kazakhstan  
2 working days

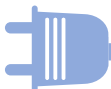
### Financial security of the contract

Within 30 calendar days after signing the purchase agreement.



### PPA

Submission of an application for the conclusion of a contract for the purchase of electric energy (PPA) to «SFC for RES» LLP within 60 calendar days after inclusion in the list of energy producing organizations



# THANK YOU FOR YOUR ATTENTION!

 [vie.korem.kz](http://vie.korem.kz)

 [@Korem\\_res](https://t.me/@Korem_res)

 [vie@korem.kz](mailto:vie@korem.kz)

8 (7172) 982 965, 982 990