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**REPORT**

**ANALYSIS OF THE ELECTRICITY AND COAL MARKET OF KAZAKHSTAN**

**JANUARY-APRIL 2021**

**DEPARTMENT "MARKET DEVELOPMENT"**

**May, 2021**

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# **SECTION I**

# **Electricity generation in the UES of Kazakhstan**

According to the System Operator, power plants of the Republic of Kazakhstan in January-April 2021 generated 40,036 million kWh of electricity, which is 6.4% more than the same period in 2020. A slight decrease in generation was observed only in the Western zone of the UES of Kazakhstan.

*million kWh*

|  |  |  |  |
| --- | --- | --- | --- |
| **Zone** | **Generation type** | **January-April** | **Δ, %****2020** |
| **2020** | **2021** |
| **Kazakhstan** | **Total** | **37613.9** | **40036.3** | **6.4%** |
| *TPP* | *30606.1* | *32735.8* | *7.0%* |
| *GTES* | *3350.0* | *3549.9* | *6.0%* |
| *hydroelectric power station* | *3018.1* | *2749.5* | *-8.9%* |
| *WES* | *328.3* | *563.7* | *71.7%* |
| *SES* | *310.4* | *436.0* | *40.5%* |
| *BSU* | *1.0* | *1.4* | *40.0%* |
| **Northern** | **Total** | **28641.3** | **30967.9** | **8.1%** |
| *TPP* | *25174.7* | *27461.6* | *9.1%* |
| *GTES* | *1108.9* | *1068.5* | *-3.6%* |
| *hydroelectric power station* | *2096.2* | *1989.6* | *-5.1%* |
| *WES* | *152.0* | *287.8* | *89.3%* |
| *SES* | *108.5* | *159.0* | *46.5%* |
| *BSU* | *1.0* | *1.4* | *40.0%* |
| **South** | **Total** | **4170.0** | **4305.8** | **3.3%** |
| *TPP* | *2896.1* | *2999.4* | *3.6%* |
| *GTES* | *73.8* | *106.3* | *44.0%* |
| *hydroelectric power station* | *921.9* | *759.9* | *-17.6%* |
| *WES* | *77.2* | *164.1* | *112.6%* |
| *SES* | *201.0* | *276.1* | *37.4%* |
| **Western** | **Total** | **4802.6** | **4762.6** | **-0.8%** |
| *TPP* | *2535.3* | *2274.8* | *-10.3%* |
| *GTES* | *2167.3* | *2375.1* | *9.6%* |
| *WES* | *99.1* | *111.8* | *12.8%* |
| *SES* | *0.9* | *0.9* | *0.0%* |

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# *Electricity generation by regions of the Republic of Kazakhstan*

In January-April 2021, compared to the same period in 2020, electricity generation increased significantly (an increase of 15% or more) in the Zhambyl and Kyzylorda regions. At the same time, a decrease in electricity generation was observed in Aktobe, Almaty, Karaganda, Mangistau, North Kazakhstan and East Kazakhstan regions.

*million kWh*

|  |  |  |  |
| --- | --- | --- | --- |
| **No. p / p** | **Region** | **January-April** | **Δ, %** |
| **2020** | **2021** |
| 1 | Akmola | 1,724.3 | 1973.2 | 14.4% |
| 2 | Aktobe | 1412.6 | 1372.5 | -2.8% |
| 3 | Almaty | 2549.8 | 2416.5 | -5.2% |
| 4 | Atyrau | 2152.6 | 2328.7 | 8.2% |
| 5 | East Kazakhstan | 3,214.7 | 3,065.8 | -4.6% |
| 6 | Zhambyl | 831.2 | 1000.8 | 20.4% |
| 7 | West Kazakhstan | 837.2 | 816.8 | -2.4% |
| 8 | Karaganda | 5,815.3 | 5615.8 | -3.4% |
| 9 | Kostanay | 403.6 | 440.5 | 9.1% |
| 10 | Kyzylorda | 205.5 | 243.8 | 18.6% |
| 11 | Mangistau | 1,812.8 | 1617.1 | -10.8% |
| 12 | Pavlodar | 14,824.2 | 17,351.9 | 17.1% |
| 13 | North Kazakhstan | 1246.6 | 1,148.2 | -7.9% |
| 14 | Turkestan | 583.5 | 644.7 | 10.5% |
|   | **Total for Kazakhstan** | **37,613.9** | **40,036.3** | **6.4%** |

The volume of electricity production by energy producing organizations of Samruk-Energy JSC for January-April 2021 amounted to 12,667.7million kWh or an increase of 20.9% compared to the same period in 2020.

*million kWh*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **2020** | **2021** | **Δ 2021/2020** |
| **January-April** | **share in Kazakhstan, %** | **January-April** | **share in Kazakhstan, %** | **million kWh** | **%** |
|  | **JSC " Samruk-Energy "** | **10478.7** | **27.9%** | **12667.7** | **31.6%** | **2,189.0** | **20.9%** |
| *1* | *JSC AlES \_* | *2065.8* | *5.5%* | *1961.1* | *4.9%* | *-104.7* | *-5.1%* |
| *2* | *LLP " Ekibastuz GRES-1"* | *6494.8* | *17.3%* | *7688.4* | *19.2%* | *1,193.6* | *18.4%* |
| *3* | *JSC " Ekibastuz GRES-2"* | *1401.3* | *3.7%* | *2529.9* | *6.3%* | *1,128.6* | *80.5%* |
| *4* | *JSC " Shardara HPP"* | *212.7* | *0.6%* | *222.7* | *0.6%* | *10.0* | *4.7%* |
| *5* | *JSC Moynakskaya HPP* | *252.1* | *0.7%* | *203.9* | *0.5%* | *-48.2* | *-19.1%* |
| *6* | *Samruk-Green LLP Energy »* | *1.1* | *0.003%* | *6.8* | *0.017%* | *5.70* | *518.2%* |
| *7* | *LLP "First wind power plant"* | *50.9* | *0.1%* | *54.9* | *0.1%* | *4.0* | *7.9%* |

# **Electricity consumption in the UES of Kazakhstan**

# *Consumption of electrical energy by zones and regions*

According to the System Operator, in January-April 2021, there was an increase in the dynamics of electricity consumption in the republic compared to January-April 2020 by 5%. Thus, in the northern zone of the republic, consumption increased by 5%, in the southern zone by 8%, and in the western zone it decreased by 6%.

*million kWh*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Name** | **Jan.- Apr.** **2020**  | **Jan.- Apr.** **2021** | **Δ, million kWh** | **Δ, %** |
| **I** | **Kazakhstan** | **37,216.9** | **39,093.9** | **1 877** | **5%** |
| 1 | Northern zone | 24,535.6 | 25,871.7 | 1336.1 | 5% |
| 2 | Western zone | 4,825.3 | 4,767.4 | -57.9 | -1% |
| 3 | Southern zone | 7 856 | 8454.9 | 598.9 | 8% |
|  | ***incl . \_ by regions*** |  |  |  |  |
| 1 | East Kazakhstan | 3326.7 | 3329.5 | 2.8 | 0.1% |
| 2 | Karaganda | 6435.1 | 6,690.9 | 255.8 | 4% |
| 3 | Akmola  | 3331.4 | 3,755.3 | 423.9 | 13% |
| 4 | North Kazakhstan | 595.3 | 645.2 | 49.9 | 8% |
| 5 | Kostanay  | 1639.1 | 1694.7 | 55.6 | 3% |
| 6 | Pavlodar | 6992.5 | 7429.6 | 437.1 | 6% |
| 7 | Atyrau  | 2251.7 | 2173.3 | -78.4 | -3% |
| 8 | Mangistau  | 1,779.5 | 1,742.3 | -37.2 | -2% |
| 9 | Aktobe | 2215.5 | 2326.6 | 111.1 | 5% |
| 10 | West Kazakhstan  | 794 | 851.8 | 57.8 | 7% |
| 11 | Almaty  | 3 960 | 4292.8 | 332.8 | 8% |
| 12 | Turkestan | 1,713.2 | 1,840.3 | 127.1 | 7% |
| 13 | Zhambyl  | 1558.3 | 1630.0 | 71.7 | 5% |
| 14 | Kyzylorda  | 624.4 | 691.7 | 67.3 | eleven% |

# **The results of the industry in January-April 2021**

*(express information of the Bureau of National Statistics ASPR RK)*

January-April 2021 compared to January-April 2020, the industrial production index (hereinafter referred to as IPP) amounted to 100.8%. An increase in production volumes was recorded in 12 regions of the republic, a decrease was observed in Atyrau , West Kazakhstan , Kyzylorda , Mangystau and Turkestan regions.

**Changes in industrial output by region**

*in % to the corresponding period of the previous year*

In the city of Nur -Sultan, the IPP amounted to 120.3%, mainly due to an increase in the production of ready-mixed concrete, refined gold, and the production of railway cars.

In Almaty, due to an increase in the production of building prefabricated metal structures, cars and ready-mixed concrete, the IPP amounted to 119.5%.

In the Almaty region, the IPP amounted to 115.3% due to an increase in the production of tobacco products, the production of beverages, sugar and electric batteries.

In the city of Shymkent, due to the increase in the production of refined products and transformers, the IPP amounted to 113.5%.

In the North Kazakhstan region, due to an increase in the growth in the production of freight cars, milk, flour and butter, the IPP amounted to 110.3%.

In the Kostanay region, the IPP amounted to 109.5% due to an increase in the extraction of iron and gold ores, copper concentrates, the production of gold in doré and cars.

In the Akmola region, due to an increase in the production of pesticides, the production of combines and tractors, the IPP amounted to 108.1%.

In the Aktobe region, the IPI was 107.7% due to the growth in the provision of services in the mining industry.

In the Zhambyl region, due to the growth in the production of phosphate raw materials, the production of phosphate fertilizers and diesel fuel, the IPP amounted to 107.1%.

In the East Kazakhstan region, the IPP amounted to 106.7% due to an increase in the extraction of copper ores and gold concentrates, the production of refined gold.

In Pavlodar region, the IPP amounted to 104.2% due to the growth in the production of gasoline, diesel fuel, heating oil and processing of secondary metal raw materials.

In the Karaganda region, the growth of IPP amounted to 100.8% due to an increase in the production of gold concentrates, the production of unalloyed steel and flat products.

In the Turkestan region, due to a decrease in the extraction of uranium and thorium ores, cotton production, the IPP amounted to 98.2%.

In West Kazakhstan IPP amounted to 93.1% due to a decrease in gas condensate production, production of pipes, steel profiles.

In Atyrau (85.8%), Kyzylorda (99.7%), Mangistau (92.8%) regions, the IPP decreased mainly due to a reduction in crude oil production.

# *Electricity consumption by large consumers in Kazakhstan*

In January-April 2021, compared to the same period in 2020, electricity consumption by large consumers decreased by 0.9%.

*million kWh*

|  |  |  |
| --- | --- | --- |
| **No. p / p** | **Consumer** | **January-April** |
| **2020** | **2021** | **Δ, %** |
| 1 | JSC Arcelor Mittal Temirtau" | 991.5 | 959.8 | -3% |
| 2 | JSC AZF ( Aksuysky ) "TNK Kazchrome " | 1477.1 | 1387.9 | -6% |
| 3 | Kazakhmys LLP Smelting » | 299.3 | 308.4 | 3% |
| 4 | Kazzinc LLP \_ | 723.4 | 733.0 | 1% |
| 5 | JSC " Sokolovsko-Sarbayskoye GPO" | 485.2 | 426.9 | -12% |
| 6 | Kazakhmys Corporation LLP | 337.6 | 331.9 | -2% |
| 7 | AZF JSC (Aktobe) "TNK Kazchrome " | 764.6 | 770.2 | 1% |
| 8 | RSE “Channel them. Satpaev » | 25.6 | 38.0 | 48% |
| 9 | Kazphosphate LLP \_ | 505.2 | 410.5 | -19% |
| 10 | NDFZ JSC (part of Kazphosphate LLP ) | 430.8 | 330.6 | -23% |
| 11 | LLP " Taraz Metallurgical Plant" | 49.3 | 95.1 | 93% |
| 12 | JSC " Ust-Kamenogorsk titanium -magnesium plant" | 239.2 | 121.5 | -49% |
| 13 | Tengizchevroil LLP \_ | 485.8 | 477.6 | -2% |
| 14 | PAZ JSC (Pavlodar Aluminum Smelter) | 242.8 | 232.9 | -4% |
| 15 | JSC "KEZ" (Kazakhstan electrolysis plant) | 948.3 | 950.1 | 0% |
| 16 | TemirzholEnergo LLP \_ | 362.6 | 420.7 | 16% |
| 17 | JSC "KEGOC" | 1256.7 | 1444.6 | 15% |
| **Total** | **9,194.1** | **9 109.3** | **-0.9%** |

*million kWh*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **Name** | **January-April** | **Deviation, million kWh** | **Δ , %** |
| **2020** | **2021** |
| **I** | **JSC " Samruk-Energy "** | **2548.31** | **2,777.1** | **228.8** | **9.0%** |
| *1.* | *LLP "Bogatyr-Komir"* | 109.67 | 108.1 | *-1.5* | -1.4% |
| *2.* | *JSC Alatau Zharyk Companies »* | 338.05 | 351.4 | *13.4* | 3.9% |
| *3.* | *AlmatyEnergoSbyt LLP* | 2100.59 | 2317.5 | *216.9* | 10.3% |

# **Coal**

# *Thermal coal mining in Kazakhstan*

According to the Bureau of National Statistics, Kazakhstan produced 36,155.6 thousand tons of hard coal in January-April 2021, which is 1% less than in the same period in 2020 (37,003.6 thousand tons).

*thousand tons*

|  |  |  |  |
| --- | --- | --- | --- |
| **No.**  | **Region** | **January-April** | **Δ, %** |
| **2020** | **2021** |
| 1 | Pavlodar | 24198.6 | 22645.6 | 94% |
| 2 | Karaganda | 10568.7 | 10789.4 | 102% |
| 3 | East Kazakhstan | 2181 | 2592.9 | 119% |
|  | **Total for the Republic of Kazakhstan** | **37,003.6** | **36,155.6** | **99%** |

# *Coal mining by Samruk-Energy JSC*

In January-April 2021, Bogatyr Komir LLP produced 15,333 thousand tons, which is 5.5% less than in the corresponding period of 2020 (16,226 thousand tons).

# *Sale of coal by Samruk-Energy JSC*

In January-April 2021, 15,499 thousand tons were sold, including :

- to the domestic market of the Republic of Kazakhstan 13,295 thousand tons, which is 2.7% more than in the corresponding period of 2020 (12,941 thousand tons);

- for export (RF) - 2,204 thousand tons, which is 33.8% less than in the corresponding period of 2020 (3,331 thousand tons).

*thousand tons*

|  |  |  |  |
| --- | --- | --- | --- |
| **No. p / p** | **Region** | **Sales volume, thousand tons** | **Δ, %** **2021/2020** |
| **January-April 2020** | **January-April 2021** |
| **Total to the domestic market of the Republic of Kazakhstan** | **12 941** | **13 295** | **102.7%** |
| **Total for export to Russia** | **3331** | **2204** | **33.8%** | **1 144** | **46.8%** |

According to the indicators for January-April 2021, compared to the same period in 2020, the Company observed a decrease in coal sales by 4.8%.

# **Renewable energy sources**

According to the system operator, the volume of electricity production by renewable energy facilities (SPP, WPP, BGS, small HPPs) of the Republic of Kazakhstan in January-April 2021 amounted to 1167 million kWh . Compared to the period January-April 2020 (312.3 million kWh ), the increase was 1.4%.

million kWh

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **2020** | **2021** | **Deviation** **2020/2021** |
| **January-April** | **share in Kazakhstan, %** | **January-April** | **share in Kazakhstan, %** | **million kWh** | **%** |
|   | **Total output in Kazakhstan** | **37,613.8** | **100.0%** | **40,036.3** | **100%** | **2422.5** | **1.1%** |
| **I** | **Total RES in the Republic of Kazakhstan, incl . by zones** | **854.7** | **2.3%** | **1167.0** | **2.9%** | **312.3** | **1.4%** |
| 1. | *Northern zone* | *287.8* | *33.7%* | *484.5* | *41.5%* | *196.7* | *1.7%* |
| 2. | *Southern zone* | *413.2* | *48.3%* | *568.9* | *48.7%* | *155.7* | *1.4%* |
| 3. | *Western zone* | *153.7* | *18.0%* | *113.6* | *0.0%* | *-40.1* | *0.7%* |
| **II** | **Total RES in the Republic of Kazakhstan, incl . by type** | **854.7** | **2.3%** | **1166.7** | **2.9%** | **312.3** | **1.4%** |
| 1. | *SES* | *364.0* | *42.6%* | *436.9* | *37.4%* | *72.9* | *1.2%* |
| 2. | *WES* | *325.8* | *38.1%* | *563.7* | *48.3%* | *237.9* | *1.7%* |
| 3. | *Small HPPs* | *163.9* | *19.2%* | *163.3* | *14.0%* | *-0.6* | *1.0%* |
| 4. | *BiogasInstallations* | *1.0* | *0.1%* | *2.8* | *0.2%* | *1.8* | *2.8%* |

January-April 2021 there is an increase in electricity production by small hydropower plants compared to the same period in 2020.

million kWh

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **2020** | **2021** | **Deviation 2020/2021,** |
| **January-April** | **share in Kazakhstan, %** | **January-April** | **share in Kazakhstan, %** | **million kWh** | **%** |
|  | ***Electricity production in UES RK*** | **37,613.8** | **100%** | **40,036.3** | **100.0%** | **2422.5** | **1.1%** |
| 1. | Production of "clean" electricity (RES + Large HPPs) | *2793.5* | *7.4%* | *3752.3* | *9.4%* | *958.8* | *1.3%* |
| 2. | Production of "clean" electricity (RES excluding Large HPPs) | *854.7* | *2.3%* | *1167.0* | *2.9%* | *312.3* | *1.4%* |

Samruk-Energo JSC (SPP, WPP, small HPPs) for January-April 2021 amounted to 102.2 million kWh or 8.8% of the total volume of electricity generated by RES facilities, which is 0.9 % lower compared to the same period in 2020 (in January-April 2020, the Company's RES generation amounted to 119.5 million kWh , RES of the Company 14%).

Share of the Company in the production of "clean" electricity (SPP, WPP, small and large HPPs) for January-April 2021. decreased by 0.9% (727.1 million kWh ) compared to the same period in 2020. (784.3 million kWh ).

million kWh

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **2020** | **2021** | **Deviation 2020/2021,** |
| **January-April** | **share in Kazakhstan, %** | **January-April** | **share in Kazakhstan, %** | **million kWh** | **%** |
| 1 | **Production of JSC " Samruk-Energy" "clean" electricity (RES excluding Large HPPs), including :** | **119.5** | **14.0%** | **102.2** | **8.8%** | **-17.3** | **0.9%** |
|  | *AlES JSC Cascade of small HPPs* | *49.6* | *5.8%* | *40.5* | *3.5%* | *-9.1* | *0.8%* |
|   | *Samruk - Green Energy LLP SPP 2 MW* | *1.1* | *0.1%* | *1.3* | *0.1%* | *0.2* | *1.2%* |
|   | *Samruk - Green Energy LLP WPP Shelek 5 MW* | *3.5* | *1.2%* | *5.5* | *0.0%* | *2.0* | *1.6%* |
|   | *First Wind Power Plant LLP WPP 45 MW* | *65.3* | *7.6%* | *54.9* | *4.7%* | *-10.4* | *0.8%* |

# **Centralized electricity trading JSC "KOREM"**

*(information of KOREM JSC)*

*General trading results*

Based on the results of the centralized trading in electricity in April 2021, 186 transactions were concluded in the amount of 217,528 thousand kWh for a total amount of 1,985,142.46 thousand tenge (excluding VAT) (including spot trading in the "day ahead" mode and trades for the medium and long term), including:

* spot trades in the “day ahead” mode - 179 deals were made in the amount of 95,032 thousand kWh for a total amount of 815,074.3 thousand tenge. The minimum price at spot auctions in the “one day ahead” mode was 6 tenge / kWh (excluding VAT), the maximum price was 9.6 tenge / kWh (excluding VAT);
* spot trading “during the trading day” - no deals were made;
* trades in electricity for the medium and long-term periods - 7 transactions were concluded in the amount of 122,496 thousand kWh for a total amount of 1,170,068.16 thousand tenge (excluding VAT). The minimum price for this type of centralized trading was 9.21 tenge / kWh (excluding VAT), the maximum - 11.3 tenge / kWh (excluding VAT).

For the same period in 2020, the total volume of centralized trading amounted to 374,963 thousand kWh. The table below shows the price dynamics of transactions concluded at centralized trading in April 2020-2021.

Dynamics of prices established as a result of centralized trading

in April 2020-2021

|  |  |  |  |
| --- | --- | --- | --- |
| **April** | **spot trading in the "day ahead" mode** | **trades for medium- and long-term periods** | **during business days** |
| MIN price | MAX price | MIN price | MAX price | MIN price | MAX price |
| **tg /kWh ( excluding VAT)** |
| **2020** | **5** | **6.7** | **1.1** | **2.43** | **-** | **-** |
| **2021** | **6** | **9.6** | **9.21** | **11.3** | **-** | **-** |

#

# ***Results of spot trading in the "day ahead" mode***

Based on the results of spot trading in April 2021, 179 transactions were concluded in the amount of 95,032 thousand kWh, the minimum clearing price for spot trading in the “one day ahead” mode was 6 tenge / kWh (excluding VAT ) , and the maximum - 9.6 tenge / kWh (excluding VAT).

The table below shows the final day-ahead spot trading results for April 2021.



# The table shows that the total demand amounted to 175,229 thousand kWh, while the total supply amounted to 119,064 thousand kWh, with transactions in the amount of 95,032 thousand kWh.

# The unsatisfied volume of demand in April 2021 amounted to 80,197 thousand kWh, and the unsatisfied volume of supply was 24,032 thousand kWh. In the process of spot trading, 460 orders were accepted into the trading system, of which 394 were from buyers and 66 were from sellers.

# ***Results of spot trading "during the trading day"***

# As a result of the auctions held in April 2021, no transactions were concluded. According to the results of the auctions held in April 2020, no deals were also concluded.

# ***Trading results for the medium and long term***

# In April 2021, following the results of trading for the medium and long term, 7 transactions were concluded with a volume of 122,496 thousand kWh for a total amount of 1,170,068.16 thousand tenge (excluding VAT). The minimum price for this type of centralized trading was 9.21 tenge / kWh (excluding VAT), and the maximum price was 11.3 tenge / kWh (excluding VAT).

# For the same period in 2020, 15 transactions were concluded in electricity trades for the medium and long-term periods in the amount of 331,440 thousand kWh for a total amount of 620,149.2 thousand tenge (excluding VAT). The minimum price for this type of centralized trading was 1.1 tenge / kWh (excluding VAT), and the maximum price was 2.43 tenge / kWh (excluding VAT).

# **Export-import of electrical energy**

In order to balance the production and consumption of electricity in January-April 2021, exports to the Russian Federation amounted to 401.3 million kWh , imports from the Russian Federation - 431.1 million kWh .

Including export of KEGOC JSC - 386.1 million kWh , import of electricity from the Russian Federation for the reporting period in the amount of 338.7 million kWh .

million kWh

| **Name** | **2020** | **2021** | **Δ 2021/2020** |
| --- | --- | --- | --- |
| **January-April** | **million kWh** | **%** |
| **Export of Kazakhstan** | **-763.0** | **-1,373.5** | **-610.5** | **80.0%** |
| **in Russia** | **-306.9** | **-401.3** | **-94.4** | **30.8%** |
| **in the IPS of Central Asia** | **-456.1** | **-972.2** | **-516.1** | **113.1%** |
| **Import of Kazakhstan** | **366.0** | **431.1** | **65.1** | **17.8%** |
| **From Russia** | **363.3** | **431.1** | **67.8** | **18.6%** |
| **from IPS Central Asia** | **2.6** | **0.0** | **-2.6** | **-100.0%** |
| **Balance- flow "+" deficit, "-" excess** | **-397.0** | **-942.4** | **-545.4** | **137.4%** |

# **SECTION II**

# **Status of formation of the Common Electricity Market of the Eurasian Economic Union**

The common electricity market of the Eurasian Economic Union is planned to be formed by integrating the national electricity markets of **Armenia, Belarus, Kazakhstan, Kyrgyzstan and Russia.** The EAEU Member States are gradually forming a common electric power market of the Union on the basis of parallel operating electric power systems, taking into account the priority provision of electric energy to domestic consumers of the Member States.

At the same time, the balance of economic interests of producers and consumers of electric energy, as well as other subjects of the EAEU OER, will be observed.

May 29, 2019 as part of the celebration of the fifth anniversary of the signing of the Treaty on the Eurasian Economic Union The Supreme Council signed an international agreement on the formation of a common electric power market of the Union in the form of a Protocol on amendments to the Treaty on the Eurasian Economic Union dated May 29, 2014 (in terms of the formation of a common electric power market of the Eurasian Economic Union).

On December 20, 2019, the Supreme Council adopted Decision No. 31 “On the plan of measures aimed at the formation of a common electricity market of the Eurasian Economic Union”, which establishes, among other things, the deadlines for the approval and entry into force of the rules for the functioning of the Union’s common electricity market, as well as other acts provided for by the specified protocol.

At present, the EAEU Member States are working on the development and harmonization of the rules for the functioning of the EAEU CER.

In 2021, one meeting of the Advisory Committee on the Electricity Industry under the EEC Board (hereinafter referred to as the Advisory Committee) was held
(14th meeting, January 21, 2021) and one meeting of the Subcommittee on the formation of the EAEU ERA of the Advisory Committee on the Electricity Industry under the EEC Board (hereinafter referred to as the Subcommittee) (56th meeting 14 January , 57th meeting 5 February, 58th meeting 25-26 February, 59th meeting 11-12 March, 60th meeting 26 March, 61st meeting 9 April, 62nd April 16 meeting).

Work on the formation of a common electricity market of the Eurasian Economic Union continues.

# **Status of formation of the Electricity market of the CIS**

Since 1992, 55 meetings of the Electric Power Council of the Commonwealth of Independent States (hereinafter - CIS EEC) have been held.

By decision of the EEC of the CIS (Minutes No. 50 dated October 21, 2016), the Consolidated Schedule for the Formation of a Common Electricity Market of the CIS Member States was approved.

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Events** | **Period of execution** | **Current status** |
| 1 | Implementation of activities in accordance with Section II . Action Plan for Cooperation between the EEC and the EEC of the CIS, approved on June 10, 2016. | 2016-2020 | Permanent participation of the EEC representatives at the meetings of the EEC of the CIS, representatives of the EC of the EEC of the CIS - at the meetings on the formation of the EER of the EAEU is ensured. |
| 2 | Preparation of a draft procedure for the settlement of deviations from the agreed values of interstate power flows . | 2016-2017 | The decision to develop a procedure for settling deviations from the agreed values of interstate power flows was taken at the 45th meeting of the EEC of the CIS. The draft Procedure was considered at the 29th meeting of the Working Group "Formation of a common electric power market of the CIS countries" on September 15, 2016 in Moscow (RF). In accordance with the Decision of the 47th meeting of the EEC of the CIS, the Action Plan of the EEC of the CIS for 2016 includes the development and approval of draft documents on determining the magnitude of deviations from the agreed values of interstate electricity flows and the settlement of deviations from the agreed values of interstate electricity flows . Work continues. |
| 3 | Preparation of a draft procedure for the distribution of throughput capacity of interstate sections / export-import sections between participants in export-import activities. | 2018-2020 | By the decision of the 50th meeting of the EEC of the CIS, Methodological recommendations for the metrological support of measuring complexes for metering electric energy at interstatepower lines.By the decision of the 50th meeting of the EEC of the CIS, the Schedule for monitoring the application of regulatory technical documents in the field of metrology of electrical measurements and electricity metering in the production activities of the energy systems of the CIS member states was approved. |
| 4 | Preparation of a draft procedure for compensation of costs associated with the implementation of the transit / transmission / movement of electricity through the energy systems of the CIS member states. | 2018-2020 | The unified format of the data exchange layout for accounting of interstate electricity flows , developed by the Working Group on metrological support of the electric power industry of the Commonwealth of Independent States, was approved by the decision of the 33rd meeting of the CIS EEC and recommended to the electric power industry management bodies of the CIS member states for use in organizing the accounting of interstate electricity flows and data exchange on interstate flows . |
| 5 | Harmonization of national legislation in the field of electric power industry, development and adoption of national regulatory legal documents necessary for the formation and functioning of the CIS EER. | 2020-2025 | The decision of the 51st meeting of the EEC of the CIS approved the Conceptual approaches to technical regulation and standardization in the field of electric power industry. The Regulations on the Working Group “Updating and Harmonizing the Regulatory and Technical Base for Regulating the Electricity Industry” were also approved. By the decision of the 51st meeting of the CIS EEC, the Work Plan of this Working Group was approved. |