

Key performance indicators for 2021-2023

Social performance

GRI 2-7, 405-1, GRI 12: Coal Sector: 12.19.6

Number of employees, employees

Indicator	2021	2022	2023
Headcount of employees	17,645	17,650	17,892
Total number of employees	17,849	18,834	18,007
Men	13,061	13,053	13,273
Women	4,584	4,597	4,619

Total number of employees workforce by position and gender, employees

Indicator	2022		2023	
	men	women	men	women
Senior managers	40	5	58	7
Managers	239	84	1,892	477
Specialists	718	269	1,260	1,788
Workers	12,056	4,239	10,063	2,347

Total number of employees workforce by age and gender, employees

Indicator	2022		2023	
	men	women	men	women
Under 30 years old	1,912	672	2,022	501
30 to 50	7,236	2,542	7,178	2,752
Over 50 years old	3,905	1,383	4,073	1,366

Employment of employees workforce by gender and region, employees

Indicator	Full-time		Part-time	
	men	women	men	women
South	5,944	2,026	-	5
Center	-	-	-	-
East	2	6	-	-
North	7,325	2,582	1	-

Total number of employees workforce by gender and region, employees

Indicator	2022		2023	
	men	women	men	women
South	5,871	1,985	5,915	2,026
Center	156	110	168	111
East	4	6	2	6
North	7,022	2,496	7,188	2,476

Number of regular and temporary employees by gender and region³⁵

Indicator	2022		2023	
	men	women	men	women
Center				
Number of regular employees	151	100	130	100
Number of temporary employees	5	10	6	3
East				
Number of regular employees	4	6	2	6
Number of temporary employees	-	-	-	-
North				
Number of regular employees	6,889	2,215	7,140	2,329
Number of temporary employees	138	283	51	150
South				
Number of regular employees	5,834	1,867	5,880	1,876
Number of temporary employees	30	118	64	155

Number of full-time and part-time employees by gender and region³⁶

Indicator	2023	
	men	women
Center		
Number of full-time employees	135	103
Number of part-time employees	1	0
East		
Number of full-time employees	2	6
Number of part-time employees	0	0
North		
Number of full-time employees	7,190	2,479
Number of part-time employees	1	0
South		
Number of full-time employees	5,944	2,026
Number of part-time employees	0	0

³⁵ The consolidation perimeter in 2023 includes subsidiaries and affiliates: Bogatyr-Komir LLP, EGRES-1 LLP, FWPP LLP, Samruk Green Energy LLP, APP JSC, Alatau Zharyk Company JSC, Moynak HPP JSC, EGRES-2 JSC, AlmatyEnergoSbyt LLP, Shardara HPP JSC, Ereymentau Wind Power LLP, Energy Solutions Center LLP, Bukhtarma HPP JSC, Qazaq Green Power PC.

³⁶ The following subsidiaries and affiliates were within the consolidation perimeter in 2023: Bogatyr-Komir LLP, EGRES-1 LLP, FWPP LLP, APP JSC, AZhK JSC, Moynak HPP JSC, EGRES-2 JSC, AlmatyEnergoSbyt LLP, Shardara HPP JSC, Energy Solutions Center LLP.

GRI 401-1, GRI 12: Coal Sector: 12.15.2

Number of new employee hires by role, gender and region³⁷

Region	2023							
	Senior managers		Managers		Specialist		Workers	
	Men	Women	Men	Women	Men	Women	Men	Women
Almaty	5		49	17	75	93	741	184
Astana	12	1	20	5	11	2	23	25
North Kazakhstan	9	2	56	3	83	147	1,032	215
South Kazakhstan	1	-	-	-	3	-	3	1
East Kazakhstan	-	-	-	-	-	-	-	-
Central Kazakhstan	-	-	-	-	-	-	-	-
West Kazakhstan	-	-	-	-	-	-	-	-
TOTAL	27	3	125	25	172	242	1,799	425

Number of new employee hires by role, gender and age

Indicator	Senior managers		Managers		Specialists		Workers	
	Men	Women	Men	Women	Men	Women	Men	Women
Under 30 years old	0	0	6	0	51	81	733	126
30 to 50	22	0	94	21	104	128	832	178
Over 50 years old	5	3	26	4	17	33	233	121

Number of dismissed employees by role, gender and region

Region	2023							
	Senior managers		Managers		Specialists		Workers	
	Men	Women	Men	Women	Men	Women	Men	Women
Almaty	10	-	86	29	87	58	491	79
Astana	9	-	20	6	6	3	21	23
North Kazakhstan	10	1	81	12	93	147	826	230
South Kazakhstan	2	-	13	2	25	17	127	34
East Kazakhstan	-	-	-	-	2	-	-	-
Central Kazakhstan	-	-	-	-	-	-	-	-
West Kazakhstan	-	-	-	-	-	-	-	-
TOTAL	31	1	200	49	213	225	1465	366

³⁷ The following subsidiaries and affiliates were within the consolidation perimeter in 2023: Bogatyr-Komir LLP, EGRES-1 LLP, FWPP LLP, APP JSC, AZhK JSC, Moynak HPP JSC, EGRES-2 JSC, AlmatyEnergoSbyit LLP, Shardara HPP JSC, Energy Solutions Center LLP.

Number of dismissed employees by role, gender and age

Indicator	Senior managers		Managers		Specialists		Workers	
	Men	Women	Men	Women	Men	Women	Men	Women
Under 30 years old	0	0	8	0	57	55	384	72
30 to 50	23	0	120	31	115	123	636	158
Over 50 years old	8	1	75	15	39	49	444	137

GRI 401-3, GRI 12: Coal Sector: 12.15.4, 12.19.4

Key parental leave indicators, employees³⁸

Indicator	2021	2022	2023
Total number of employees entitled to parental leave	17,645	17,650	17,892
Men	13,061	13,053	13,273
Women	4,584	4,597	4,619
Total number of employees who took parental leave	310	329	354
Men	20	29	16
Women	290	300	338
Employees who returned to work after parental leave in the reporting period	146	144	132
Men	9	10	11
Women	137	134	121
Employees who returned to work after parental leave in the previous reporting period in 2022	187	203	54
Men	9	12	10
Women	178	191	34
Employees who returned to work after parental leave in 2022 and were still employed after 12 months of return	183	189	134
Men	8	11	7
Women	175	178	127
Return to work rate, %	47	44	2
Men	45	34	2
Women	47	45	3
Retention rate, %	97	93	1
Men	89	92	1
Women	98	93	1

³⁸ The following subsidiaries and affiliates were within the consolidation perimeter in 2023: Bogatyr-Komir LLP, EGRES-1 LLP, FWPP LLP, Samruk Green Energy LLP, APP JSC, Alatau Zharyk Company JSC, Moynak HPP JSC, EGRES-2 JSC, AlmatyEnergoSbyt LLP, Shardara HPP JSC, Ereymentau Wind Power LLP, Energy Solutions Center LLP, Bukhtarma HPP JSC, Qazaq Green Power PC.

GRI 404-1

Average number of hours of training of per employee per year by gender and employee category, 2023³⁹

Indicator	Senior management		Administrative staff and managers		Production staff		Maintenance staff	
	Men	Women	Men	Women	Men	Women	Men	Women
Hours of staff training per year, by employee category and gender	2,298	153	20,945	48,906	742,327	180,944	2,426	7,356
Employees in every category, by gender (average headcount)	36	7	360	863	12,495	3,599	166	113
Average hours of training per year per employee in every category, by gender	63.8	21.8	58.2	56.7	59.3	50.3	14.6	65.1

GRI 2-21

Ratio of the highest paid to the rest⁴⁰

Indicator		2021	2022	2023
Increase in the average annual pay of employees	%	5%-32%	10%	20%
Ratio of the total annual pay of the highest-paid employee to the average annual pay of other employees	ratio	270%	285%	285%

GRI 202-1, GRI 12: Coal Sector: 12.19.2

Ratio of standard entry level wage compared to local minimum wage

Indicator		2021	2022	2023
Men	ratio	343%	310%	367%
Women	ratio	296%	283%	354%

GRI 405-1, GRI 12: Coal Sector: 12.19.6

Number of employees with disabilities

Region	Administrative staff and managers		Production staff		Overall	Total	Total
Center	-	-	-	-	-	-	-
East	-	-	-	-	-	-	-
North	2	6	72	11	74	17	91
South	3	5	103	25	106	30	136
Total					180	47	227

³⁹ The following subsidiaries and affiliates were within the consolidation perimeter in 2023: Bogatyr-Komir LLP, EGRES-1 LLP, FWPP LLP, Samruk Green Energy LLP, APP JSC, Alatau Zharyk Company JSC, Moynak HPP JSC, EGRES-2 JSC, AlmatyEnergSbyt LLP, Shardara HPP JSC, Ereymentau Wind Power LLP, Energy Solutions Center LLP, Bukhtarma HPP JSC.

⁴⁰ The following subsidiaries and affiliates were within the consolidation perimeter in 2023: APP JSC, Alatau Zharyk Company JSC, Moynak HPP JSC, EGRES-2 JSC, Shardara HPP JSC.

Diversity of governance bodies by gender, 2023⁴⁰

Category	Men	Women
Senior managers	581	887
Under 30 years old	61	115
30 to 50	265	605
Over 50 years old	97	167
Managers	1,892	478
Under 30 years old	-	1
30 to 50	1,172	319
Over 50 years old	626	147

Occupational health and safety

Health and safety expenditures, thousand tenge

Types of expenditures	2021	2022	2023
Money allocated to ensure compliance with H&S standards, including	5,179,481	4,822,169	3,559,017
occupational health and safety	2,029,462	2,109,105	2,543,422
fire safety	947,816	570,483.0	190,082
occupational safety	1,399,049.5	1,115,322.9	42,208
training	229,571	137,993	82,036
other (specify)	274,820.1	537,909.7	701,269
Money spent to ensure compliance with H&S standards, including	4,335,822	3,788,509	2,995,369
occupational health and safety	1,530,886	1,673,061	2,156,697
fire safety	917,675	464,992	108,258
occupational safety	1,370,120.7	1,074,124.2	37,139
training	167,031	163,437	70,092
other (specify)	133,748.1	161,760.2	622,903

Environmental performance

Environmental investments, KZT billions

Expenditure	2021	2022	2023
Waste management and remediation of environmental damage	7.182	5.220	19.794
Protection and rehabilitation of land, surface and ground water, and waste water treatment	0.810	0.452	0.463
Air protection and climate action	0.981	1.365	3.050
Landscaping and improving territories	0.095	0.058	0.115
Staff training and upskilling	0.002	0.002	0.002
Drafting documents	0.011	0.011	0.019
Other environmental activities (water and air analysis)	0.007	0.008	0.009
Total	9.088	7.117	24.433

Emissions payments (taxes) and obligatory environmental payments, KZT billions

Payments	2021	2022	2023
Air emission payments	5.963	6.197	6.992
Water use payment (water tax)	0.112	0.127	0.093
Pollution discharge fee	0.010	0.010	0.011
Charges for waste disposal in the natural environment	1.461	1.265	1.470
Total	7.546	7.599	8.566

GRI 305-7, GRI 12: Coal Sector: 12.4.2**Pollution discharges, tons**

Pollutants	2022	2023
NOx	80,147.35	77,745.6
Sox	223,331.13	221,132.5
Solid substances	48,063.65	49,234.9
CO	6,217.23	6,520.5
Volatile organic compounds (VOCs)	313.382	274.5
Hazardous air pollutants (HAPs)	6.326	14.193
Persistent organic pollutants (POPs)	0	0
Total	358,079.07	354,922.3

GRI 303-3, GRI 12: Coal Sector: 12.7.4, 12.7.6**Total water withdrawal by Samruk-Energy JSC, megaliters**

Total water withdrawal by source	2021	2022 ^{41, 42}	2023	Areas with water scarcity
In surface water bodies (total)	19,928,305	22,458,542	23,521,126.6	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	19,928,305	22,458,542	23,521,126.6	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no
In underground sources (total)	5,390	6,527	5,703.8	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	5,390	6,527	5,703.8	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no
Sea water	0	0	0	no
Produced water (total)	0	0	0	no
In municipal sources (total)	39,897	39,369	39,915.6	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	39,897	39,369	39,915.6	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no
third-party water	0	132	233.4	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	0	132	233.4	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no

⁴¹ When disclosing information, the Company strives to expand the scope of the disclosed information and reporting areas to rank higher in the ESG rankings, so Samruk-Energy JSC discloses water intake by HPP Cascade and Kapshagay HP in its annual reports from 2022, and the figures for 2020 and 2021 were also recalculated taking into account these HPP;

⁴² The Company recalculated the water withdrawal data of the HPP Cascade for the years 2021 and 2022.

Total water withdrawal by source	2021	2022 ^{41, 42}	2023	Areas with water scarcity
Drainage/mine and quarry water	1,692	2,351	2,002.8	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	0	0	0	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	1,692	2,351	2,002.8	no
Total withdrawal water	19,975,284	22,506,920	23,568,982.2	no
Fuel generation, coal mining and distribution companies	211,380	211,247	230,694	no
Hydroelectric power station	19,763,904	22,295,673	23,338,288.2	no

GRI 303-5**Water consumption by Samruk-Energy JSC, megaliters⁴³**

Indicator	2021 ⁴⁴	2022 ⁴⁵	2023
Water consumption	134,340	133,689	154,876

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GRI 303-4, GRI 12: Coal Sector: 12.7.5**Total water discharge by Samruk-Energy JSC, megaliters**

Indicator	2021	2022	2023	Regions with water deficit
Surface:	19,763,859	22,295,646	23,338,254.3	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	19,763,859	22,295,646	23,338,254.3	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no
Underground	0	0	0	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	0	0	0	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no
Sea water	0	0	0	no
Produced water	0	0	0	no
Artificial water bodies (evaporation ponds, storage ponds and filtration fields):	1,618	2,289	1,922.7	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	139	162	143.1	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	1,479	2,127	1,779.6	no
The volume of wastewater transferred for use to other organizations	584	609	630.2	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	584	609	630.2	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no

⁴³ The disclosure methodology for Water Consumption was changed in 2022 in accordance with GRI 303-5, therefore the Company has recalculated the Water Consumption figures for 2020 and 2021.

⁴⁴ In 2021, the volume of water consumption was defined as the entire volume of water taken away by subsidiaries, excluding HPP.

⁴⁵ The decrease in water consumption is due to a change in the disclosure methodology, so in 2022, water consumption was calculated according to GRI 305-5, as the difference between the Company's water disposal and wastewater.

Indicator	2021	2022	2023	Regions with water deficit
Ash dump	74,883	74,688	73,299.2	no
Fresh water ($\leq 1,000$ mg/l of total dis-solved solids)	74,883	74,688	73,299.2	no
Other water ($> 1,000$ mg/l of total dis-solved solids)	0	0	0	no
Total withdrawal water	19,840,944	22,373,231	23,414,106.4	no
Fuel generation, coal mining and distribution companies	77,085	77,586	75,852.1	no
Hydroelectric power station	19,763,859	22,295,646	23,338,254.3	no

GRI 306-4, GRI 12: Coal Sector: 12.6.5**Waste generated by Samruk-Energy JSC and sent for recovery, tons**

Indicator	2021		2022		2023	
	In-house	Out-sourced	In-house	Out-sourced	In-house	Out-sourced
Total waste recovered	11,468.48	29,514.44	12,856.78	22,951.87	9,663.65	28,223.13
Total hazardous waste recovered, incl.	11,468.44	9,530.27	87.58	211.53	49.71	1,097.81
reused	11,468.44	-	87.58	-	49.71	-
recycled	-	4,452.83	-	14.96	-	125.75
disposed	-	-	-	4.87	-	32.84
Otherwise treated	-	5,077.45	-	191.69	-	939.22
Total non-hazardous waste recovered, incl.	0.04	19,984.17	12,769.19	2,740.34	9,613.94	27,125.32
reused	0.04	-	12,769.19	-	9,613.94	-
recycled	-	19,940.17	-	14,057.29	-	12.13
disposed	-	44.0	-	4,770.63	-	1,885.95
Otherwise treated	-	-	-	3,912.42	-	25,227.25

GRI 306-5, GRI 12: Coal Sector: 12.6.6**Waste generated by Samruk-Energy JSC and sent for disposal, tons**

Indicator	2021		2022		2023	
	In-house	Out-sourced	In-house	Out-sourced	In-house	Out-sourced
Total volume of waste sent for disposal	88,148,070	2,124.05	90,267,675	2,223.91	97,975,466	2,805.30
Total hazardous waste sent for destruction	-	988.0	-	60.54	1.34	88.80
combustion (with energy recovery)	-	-	-	-	-	-
combustion (without energy recovery)	-	95.60	-	43.15	1.11	80.64
otherwise treated	-	892.40	-	17.39	0.24	8.16
Total non-hazardous waste sent for destruction, incl.	-	16,836.18	-	3,632.60	-	4,328.92
combustion (with energy recovery)	-	-	-	-	-	-
combustion (without energy recovery)	-	-	-	1.74	-	14.92
otherwise treated	-	16,836.18	-	3,630.86	-	4,314.00

GRI 302-1

Resource consumption and energy efficiency^{46, 47, 48}

Indicator	2021	2022	2023
Resource consumption	346,258	340,079	339,604
Total energy consumption, incl.	15,654	15,153	15,171
Electricity, incl.	12,608	12,331	12,444
HPPs	24	38	48
Total electricity and thermal energy purchased	9,738	10,900	9,303
Purchased electricity, incl.	9,623	10,782	9,201
RES	4,802	5,826	4,231
HPPs (RES)	186	295	197
In-house electricity generation	128,193	129,183	127,187
Electricity generation by energy-intense subsidiaries and affiliates	127,022	127,681	125,802
RES	1,171	1,503	1,996
Total electricity supply, incl.	124,815	127,534	124,916
Total heat energy consumption, incl.	3,046	2,823	2,727
Purchased heat energy	116	118	102.4
In-house heat energy production	24,142	23,039	26,807
Heat energy sales	23,805	22,632	23,798
Coal	333,003	326,562	325,818
Gas, incl.	10,886	11,024	10,842
natural gas	10,885	11,023	10,841
LNG (LPG))	0.9	0.7	0.68
Liquid fuels, incl.	1,585	1,530	1,661
petrol	162	156	155
diesel	1,423	1,374	1,506
Boiler fuel, incl.	784	963	1,283
residual oil	784	963	1,283

⁴⁶ The methodology for calculating Key Energy Efficiency Indicators (KEIs) is designed for energy-saving analysis of operations of industrial producers, regardless of their legal status, form of ownership and type of products or services they make. The methodology also makes it possible to develop an energy strategy for industrial enterprises and their development plans and programmes for boosting energy efficiency in the long term. ISO 50001.

⁴⁷ The coefficients used are in line with the Methodology for the Fuel and Energy Balance and the Calculation of Selected Statistical Indicators Typical for the Energy Sector.

⁴⁸ The following subsidiaries and affiliates were within the consolidation perimeter in 2023: purchased energy, including from RES: EGRES-1 LLP, EGRES-2 JSC, APP JSC, Shardara HPP JSC, Moynak HPP JSC, purchased energy: Alatau Zharyk Company JSC, Bogatyr Komir LLP, APP JSC. Purchased thermal energy: Alatau Zharyk Company JSC, Bogatyr Komir LLP. Coal: EGRES-1 LLP, EGRES-2 JSC, APP JSC. Petroleum: EGRES-1 LLP, EGRES-2 JSC, APP JSC, Shardara HPP JSC, Moynak HPP JSC, Alatau Zharyk Company JSC, Bogatyr Komir LLP. Diesel: EGRES-1 LLP, EGRES-2 JSC, Shardara HPP JSC, Moynak HPP JSC, Alatau Zharyk Company JSC, Bogatyr Komir LLP. Fuel Oil: EGRES-1 LLP, EGRES-2 JSC, APP JSC. Natural gas: APP JSC.

GRI 302-3

Energy intensity⁴⁹

Specific energy consumption (by segment)	Unit of measurement	2023
Power generation	Thousand GJ/thousand MW*h	0.00961
Heat energy production	Thousand GJ/thousand MW*h	53.05

GRI 302-4

Reducing energy consumption⁵⁰, thousand GJ

	2021	2022	2023
Gasoline	0.15		0.30
Diesel fuel	-		0.34
Fuel oil	20	7	34.45
Coal	13,609	14,155	9,928
Natural gas	21	35	20.43
Electric power	1,601	47	36.15
Heat energy	75	28	23.49

Investments indicators

Implementation of the Investment Program of Samruk-Energy JSC in 2023, KZT million (excluding VAT)

N°	Subsidiaries	fact			forecast	
		2021	2022	2023	2024	2025
	TOTAL	61,698	100,580	132,146	272,700	754,354
1	Investment project, incl.	25,206	58,372	80,393	150,262	635,550
1.1	Restoration of Unit 1 with the installation of new electric filters	10,930	32,681	71,113	39,694	-
1.2	Modernization of power unit No. 3 of GRES-1	-	-	-	3,521	64,747
1.3	Expansion and reconstruction of EGRES-2 with installation of power unit No. 3	104	10,209	121	3,175	71,272
1.4	Development of a feasibility study for the construction of power unit No.4 GRES-2	-	-	-	233	-
1.5	The transition to a cyclic flow technology (CPT) of production, transportation, averaging and loading of coal at the Bogatyr section of the Ekibastuz coal deposit	9,693	7,896	5,373	88	-
1.6	Construction of the Kokozeck SS	2,000	354	-	-	-
1.7	Construction of the Turksib SS	19			380	1,000
1.8	Reconstruction of PS-220/110/10kV No.7 AHBK	-	2		1,315	3,773
1.9	Reconstruction of electrical networks	-	-	1,928	9,368	12,758

⁴⁹ The methodology for calculating energy efficiency is determined by the company taking into account the total consumption of resources within the organization, as well as the volume of products produced. The calculations take into account both the total electricity generation and the production of thermal energy.

⁵⁰ The Company takes into account the reduction of energy consumption through technical measures in accordance with the established methodology to assess their impact.

№	Subsidiaries	fact			forecast	
		2021	2022	2023	2024	2025
1.10	Modernization of CHPP-2 with minimization of environmental impact. Development of a feasibility study and passing an examination	313	560	1,683	42,990	269,528
1.11	Expansion of CHPP-1 with the construction of a 200-250 MW GTP	-	271	3	691	8,255
1.12	Reconstruction of Almaty CHPP-3 on the basis of a GTP with an increase in the station's capacity to 450 MW	-	334	123	47,992	195,986
1.13	Construction of a wind power plant in the Shelek corridor. with a capacity of 60 MW with the prospect of expansion to 300 MW	23	4,944	49	-	-
1.14	Construction of the Yerementau wind farm with a capacity of 50 MW	2,099	1,065	-	123	10
1.15	Expansion of the existing Yerementau-1 wind farm with a capacity of 45 MW into two wind power plants with a capacity of 2.5 MW each	9	56	0.06	-	-
1.16	Development of the pre-feasibility study of the Semey HPP				418	
1.17	Other projects	15	2	-	275	8,221
2	Maintenance of production assets	35,198	41,052	49,555	117,039	117,674
2.1	Bogatyr Komir LLP (50%)	4,243	7,995	6,824	8,997	7,944
2.2	EGRES-2 JSC (50%)	1,616	1,985	2,483	4,375	3,940
2.3	EGRES-1 LLP	8,886	9,859	12,957	47,728	53,880
2.4	Alatau Zharyk Company JSC	10,692	11,289	14,173	22,855	31,958
2.5	Almaty Power Plants JSC	9,042	9,563	11,947	23,072	13,744
2.6	Moynak HPP JSC	415	103	574	3,038	355
2.7	Shardara HPP JSC	10	54	22	254	21
2.8	AlmatyErgoSbyt LLP	90	85	77	93	79
2.9	Samruk-Green Energy LLP	26	22	21	24	14
2.10	First Wind Power Plant LLP	180	96	476	833	686
2.11	Ereymtau Wind Power LLP	-	-	-	-	-
2.12	Energiya Semirechye LLP (25%)			0.3	-	-
2.13	Energy Solutions Center LLP	-	-	-	-	-
2.14	Shulbinsk HPP	-	-	-	4,076	4,307
2.15	Ust-Kamenogorsk HPP	-	-	-	1,695	747
3	Maintenance of administrative assets	1,267	1,157	2,198	3,591	416
4	Others	26	-	-	1,809	713
4.1	Other projects	15	2	-	275	8,221

Financial and economic indicators

Key financial and economic indicators, KZT million

Nº	Indicator, KZT million	fact			forecast	
		2021	2022	2023	2024	2025
1	Income from the sale of products and services	332,537	381,465	444,960	638,112	695,621
1.1.	Power generation	253,593	286,873	289,801	336,532	377,557
1.2.	Sales of electricity by energy supply organizations	125,685	137,578	167,467	225,179	252,137
1.3.	Heat energy production	18,703	19,762	23,284	27,151	28,023
1.4.	Transmission and distribution of electricity	46,428	53,654	66,722	81,979	100,745
1.5.	Sales of chemically treated water	1,781	1,852	1,844	1,860	1,865
1.6.	Rent	3,930	4,188	21,843	29,646	16,101
1.7.	Other	3,702	5,574	9,473	6,373	6,798
2	Cost of products sold and services rendered	254,847	288,929	329,676	483,534	531,598
2.1	Cost of electricity production	183,478	202,949	210,922	234,221	265,419
2.2	The cost of electricity sales by energy supply organizations	128,428	140,490	170,278	223,336	250,368
2.3	The cost of heat production	19,306	22,168	25,649	29,857	33,444
2.4	Cost of electricity transmission	39,358	47,040	54,703	61,544	64,533
2.5	Cost of sales of chemically treated water	1,848	2,001	1,976	2,310	2,428
2.6	Cost of other core activities	767	1,140	1,220	1,518	1,591
	Depreciation of fixed assets and intangible assets	55,168	59,764	62,556	71,396	92,850
3	Gross profit	77,690	92,536	115,284	154,578	164,023
4	Income from financing	2,616	2,747	6,451	3,650	3,304
5	Other income	7,278	7,812	6,235	255	431
6	Expenses for the sale of products and services	9,029	9,110	8,931	9,215	9,922
7	General and administrative expenses	14,793	18,852	13,525	20,435	21,215
8	Operating profit	53,868	64,574	92,828	124,928	132,885
9	Profit before depreciation and amortization. interest and CIT (EBITDA)	123,447	141,382	159,484	225,392	227,720
10	Financing costs **	30,139	29,748	25,244	35,918	42,848
11	Other expenses from non-core activities *. **	23,354	14,337	20,309	244	233
12	Share of profit/loss of organizations. accounted for using the equity method and impairment of investments	13,455	16,103	3,121	10,691	21,870
13	Profit (loss) from discontinued operations	0	736	0	0	0
14	Profit (loss) before taxation	23,723	46,417	63,082	103,362	115,409
15	Corporate income tax expenses	8,377	16,111	19,352	23,130	22,825
16	Total profit (loss) before deduction of minority interest	15,347	30,306	43,730	80,232	92,584
17	Minority share	300	175	649	901	503
18	The final profit. due to the Shareholders of Group of companies of Samruk-Energy JSC	15,046	30,132	43,080	79,330	92,081

(*) in the Financial Report, the 2021-2023 foreign exchange loss is recognised under "Financial expenses".

(**) in the Financial Report an impairment loss is reflected in the article "Impairment losses on non-financial assets" Note: The breakdown of income and cost is given by type of activity (not by segment) and is indicated without taking into account elimination.

Operations performance

Production KPI (by producer)

Name of a subsidiary	2021	2022	Fact	% to the fact of	Forecast	
			2023	2022	2024	2025
The volume of electricity production, million kW*h						
EGRES-1 LLP	22,788	23,048	22,870	99%	23,500	24,500
EGRES-2 JSC	6,433	6,002	5,659	94%	6,101	6,101
Almaty Power Plants JSC	5,008	5,099	5,054	99%	4,958	4,958
Moynak HPP JSC	758	973	832	86%	906	906
Shardara HPP JSC	456	518	529	102%	478	537
AES Ust- Kamenogorsk HPP LLP	-	-	-	-	1,500	1,622
AES Shulbinsk HPP LLP	-	-	-	-	1,476	1,491
Samruk-Green Energy LLP	20.45	19.78	21.52	109%	20.09	20.06
First Wind Power Plant LLP	144.59	135.72	142.60	105%	166.47	166.47
Energia Semirechya LLP	-	88.26	220.75	250%	214.46	214.46
Total	35,609	35,884	35,330	98%	39,319	40,515
The volume of electricity sales, million kW*h						
EGRES-1 LLP	22,496	23,102	22,796	99%	22,410	23,373
export	400	-	-	-	-	-
EGRES-2 JSC	6,336	5,938	5,532	93%	5,758	5,756
export	192	473	577	122%	-	-
Almaty Power Plants JSC	4,425	4,591	4,303	99%	4,171	4,175
Moynak HPP JSC	781	1,014	912	90%	893	893
Shardara HPP JSC	468	540	549	102%	469	527
AES Ust- Kamenogorsk HPP LLP	-	-	-	-	1,488	1,611
AES Shulbinsk HPP LLP	-	-	-	-	1,452	1,467
Samruk-Green Energy LLP	20.22	19.53	21.23	109%	19.44	19.41
First Wind Power Plant LLP	144.29	135.37	142.31	105%	166.07	166.07
Energia Semirechya LLP	-	86.40	216.33	250%	208.03	208.03
Total	34,671	35,426	34,699	98%	37,035	38,195

The volume of capacity sales, MW

EGRES-1 LLP	1,565	2,024	1,330	66%	2,556	2,601
including electricity supplied at individual tariffs	-	-	-	-	477	477
EGRES-2 JSC	525	779	647	83%	896	896
Almaty Power Plants JSC	806	859	808	94%	850	850
including electricity supplied at individual tariffs	70	70	70	100%	70	
Moynak HPP JSC	292	289	292	101%	298	298
Shardara HPP JSC	61	61	61	100%	61	61
AES Ust- Kamenogorsk HPP LLP	-	-	-	-	326	329
AES Shulbinsk HPP LLP	-	-	-	-	571	576
Total	3,248	4,013	3,138	78%	5,558	5,610

Heat energy production, thousands Gca

Almaty Power Plants JSC	5,554	5,282	5,582	106%	5,323	5,323
EGRES-2 JSC	76	78	70	90%	76	76
EGRES-1 LLP	136	143	124	87%	194	194
Total:	5,766	5,502	5,776	105%	5,592	5,592

Electricity transmission, million kWh

Alatau Zharyk Company JSC	7,650	8,154	8,686	107%	8,815	8,947
Total	7,650	8,154	8,686	107%	8,815	8,947

Electricity supply, million kWh

AlmatyErgoSbyt LLP	6,724	6,847	7,086	103%	7,297	7,516
Total	6,724	6,847	7,086	103%	7,297	7,516
Coal sales, million tons	44.74	42.41	42.49	100%	46.70	46.36

