

## Bishkek energy storage

“In this case we will be able to refuse from Kazakhstan coal. The calorific value of coal in the south of Kyrgyzstan reaches 8 Gcal, but transportation costs make this coal even more expensive than coal from Kazakhstan. This is why we do not transport coal from the south. It is easier to buy coal in Kazakhstan,” Minister Ibraev explained.

Investors will mine 1.8 million tons of coal a year. 40% will make around 600,000 tons of coal. “We plan to buy this coal for the Bishkek combined heat and power plant,” Minister Ibraev said.

“We obtained a license for coal mining, prepared a project proposal and attracted investors. The investment competition was won by the Kyrgyz-Chinese company. Their engineers are working at the site. They plan to bring equipment before the end of September. According to the documents, investors plan to increase coal production to 2 million tons,” Kyrgyz Coal Enterprise Director Kanatbek Ashirbaev said in an interview with Birinchi Radio on September 6.

Bishkek power station (Bishkekская ТЭЦ, ТЭЦ г. Бishkek) is an operating power station of at least 813-megawatts (MW) in Bishkek, Kyrgyzstan with multiple units, some of which are not currently operating is also known as Bishkek CHP power station.

CHP is an abbreviation for Combined Heat and Power. It is a technology that produces electricity and thermal energy at high efficiencies. Coal units track this information in the Captive Use section when known.

The power plant is owned by Elektricheskiye Stantsii JSC (Electric Power Plants JSC) that was established as a result of reorganization of Kyrgyzenergo OJSC in 2001. As of December 2022, 80.56% of Electric Power Plants JSC was held by the National Energy Holding Company OJSC. The ultimate controlling party is the Ministry of Energy of the Kyrgyz Republic.<sup>19</sup>

The initial plant included units ranging from 25 to 100 MW, for a total of 688 MW.<sup>20</sup> In 2017, 300 MW of capacity was added (see below). 4 older units totalling about 175 MW were retired with the commissioning of the new units in 2017, including a smaller Unit 2.<sup>21</sup>

The undated website of Power Stations JSC (Elektricheskiye Stantsii), the owner of the plant, reported the plant's capacity at 812 MW with 9 turbine units and 18 boilers, after the modernization was completed in 2017.<sup>18</sup>; IEA report on the energy sector in Kyrgyzstan 2022 also also referred to capacity of 812 MW<sup>23</sup>.

The plant also uses gas and gas consumption increased several times since 2020 (from 29 million cubic meters per year to 2024 levels of 90 million cubic meters as of March 2024).<sup>29</sup>

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