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**RUE “Brestenergo”. EDBH-2**

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Administrative building of RUE "Brestenergo" RUE "Brestenergo" provides production, transmission, distribution and sale of electric and heat energy. The installed capacity of power plants of 1,159.006 MW allows to fully meet the demand for electric energy of consumers in the Brest region, as well as to transfer and sell part of the generated energy outside the region, including abroad. The company provides centralized heat supply in six cities of the region, providing heat to about half a million residents of the Brest region.

RUE "Brestenergo" includes 14 branches that ensure reliable operation of the Brest power system, including training and advanced training of personnel, its own repair facilities, and social infrastructure facilities.

The work carried out at the enterprise today to modernize and reconstruct equipment, automate technological processes, improve the management structure is the key to the reliability and efficiency of energy production in the future.

One of the enterprises of “Brestenergo” is East district boiler house No. 2 (EDBH-2), which is located in an industrial center of the eastern outskirts of Brest and serves as a source of heat supply for the housing and communal and industrial sectors of the eastern region of the city.

Its history began back in 1971, when the boiler house of the Brest Combine of Building Materials was put into operation (at that time "Brest Ceramic Drainage Pipe Plant"). The boiler house was equipped with three DKVR 10/13 steam

boilers and was designed to provide steam and hot water for the technological needs of the enterprise.

In 1986, in the immediate vicinity, the boiler house of the "Mechanization Department No. 127 of Stroytrest No. 8" was put into operation. Boilers PTVM-30M and DKVR 10/13 were installed on it.

In 1988, both boiler houses were merged, transferred to the "Brest Heat Networks Enterprise" and received the name "Vostochnaya District Boiler House No. 2".

Over the long years of history, following the growth and development of the city, the boiler house changed. The reconstruction work carried out at the boiler house made it possible to select the composition of equipment and operating modes that correspond to the needs of the area served.

Its largest consumers: Brest Central City Hospital, Regional Center for ORC "Victoria" named after A.P. Meshkova, the state enterprise "Remput of the Belarusian Railway", the shopping center "Equator" and the sports and recreation complex of the KUP "Brest Physical Culture and Health Service".

In 2020, as part of a comprehensive plan for the development of the energy sector until 2025, taking into account the commissioning of the Belarusian nuclear power plant at EDBH-2, an electric boiler ZVP-2830 with a set of auxiliary equipment was put into operation.

Installation of modern equipment and modernization of the existing one allow reaching a new level of production and organization of the work process, reliably providing thermal energy to the adjacent areas of the city. Percentage of thermal energy supply in 2020 by electric boiler was 1.5%. In 2021 this figure reached 6.9%.

Last year, East district boiler house No. 2 celebrated its 50th anniversary.

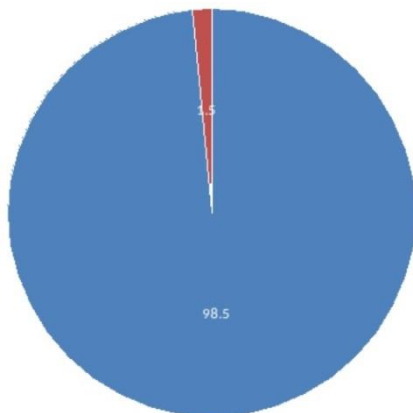


Fig. 1 – Structure of Heat Supply of EDBH-2 in 2020

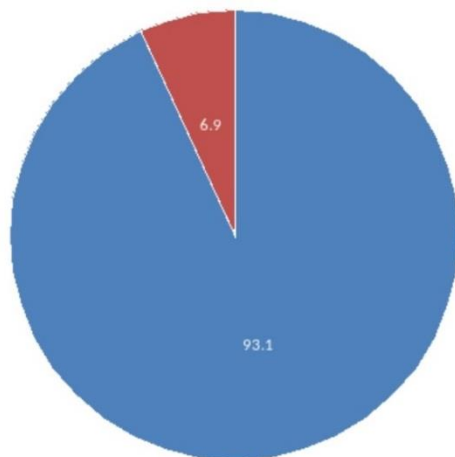


Fig. 2 – Structure of Heat Supply of EDBH-2 in 2021

References:

1. East district boiler house No. 2 [Electronic resource]. – Access mode: <https://brestenergo.by/Новости/501>. – Access date: 15.04.2022