

Annotation

In the thesis, considered the ways of modernization of the boiler plant BKZ-420 CHPP-2 for gas fuel.

When performing the work, the main and auxiliary equipment was selected and calculated: a gas filter, a safety shut-off valve, a pressure regulator and other devices. The main objective of this project is to reduce emissions from the plant to the environment and provide the population with an optimal heat tariff plan. For this purpose, it is planned to install burners of the GM VT 2-40 type produced at the Biysk boiler plant.

The "Economic section" defines the present value of the project before design and after. In the section "Life safety", the station's zoning system is calculated.