

Annotation

This thesis is the development of measures to improve the energy efficiency of the plant by hydrophobic lining of pumps, optimizing their own needs and power losses.

The characteristics of the operating part of Almaty CHP-2 and the installed electrical and thermal capacity of the station are calculated.

The section life Safety provides acoustic calculations in the turbine shop.

In the economic part, the cost of electricity and heat output after the expansion of the CHP is calculated.