

## ANNOTATION

The purpose of the thesis is to modernize the thermal power plant in Ust-Kamenogorsk.

The paper analyzes the current technical and economic indicators of cooling towers of JSC "AES Ust-Kamenogorsk CHPP" and designs new equipment to prevent negative consequences in chilled water from cooling towers.

Electric and thermal energy produced by the station is one of the most important directions - the development of the city provides 80% of the load of the utility sector.