

ABSTRACT

This thesis is devoted to the theme "Modernization of the heating boiler in Almaty." The paper considers the project of reconstruction of the heating boiler house, which is located in Almaty, JSC "ALES" TEC-1. According to the results of the calculation, the LDPE group was installed for the turbine R - 25 - 90/18. The calculation of the thermal part of the turbine is also considered. In terms of safety and livelihoods, the conditions for the influence of the operation of CHP-1 on the ecological environment of the city and the population as a whole are considered. Were also calculated in the economic part of the project the cost of energy types, namely electric and heat. A technical and economic substantiation of the options before the reconstruction and after the reconstruction of the heating boiler CHPP-1 is given.