

Abstract

Based on the analysis of the state of the equipment of the CHP-2 and the operating modes of the station, conclusions are drawn about the need for reconstruction to increase the efficiency and reliability of heat supply, as well as to reduce the impact of the CHP-2 on the ecology of the region. An analysis of the thermal schemes of CCP and GTU add-ons for the reconstruction of CHP-2. Calculation models of CCP and GTU superstructures with a waste heat boiler were built, thermodynamic and technical and economic assessment of the reconstructed CHP-2 scheme was carried out.