

Annotation.

As a result of the work performed, the thermal calculation of CHP-3 was made, the selection and calculation of the lightning protection of the main building was carried out, the cost of the supplied thermal and electric energy was calculated.

A business plan has been drawn up for using CHP-3 for heating the northern part of Almaty, which will result in a reduction in air pollution over the city. Adopted the maximum possible coverage of consumers from centralized heat sources-CHP-3 and SVRK with the elimination of small uneconomical boilers. All hot water consumers in the northern region are connected to CHP-3.

And also, the calculation of the connecting highway, calculated the amount of capital expenditures, the payback period of the project.