

# NEWS

## From GEORGIA TECH'S ENGINEERING EXPERIMENT STATION

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### GEORGIA TECH TO SEND ENERGY AID NORTH

ATLANTA, GA...Georgia Tech's Engineering Experiment Station has contracted to help an Ohio city find ways to use waste steam from the city's electric generating plant to heat local homes and businesses.

Beginning sometime this summer, EES will undertake the energy conservation project for the city of Piqua, Ohio, a small Midwest city located on the Miami River. The major aim of the project is to determine the economic and technical feasibility of adapting the city's homes, businesses and coal-fired electric generating plant so that waste steam from the plant can be used for heat. The project is being funded by the Department of Energy.

According to David Wade of EES, two methods of using the waste steam are currently being considered. In the first, waste steam from the generating turbines in Piqua's electric plant would be piped directly to radiators or heating coils in homes and businesses in the city. In the second, the waste steam would be used to heat water which would then be piped to the radiators and heating coils. Heat from this steam is now discharged into the Miami River.

Piqua is one of eight locations in the Midwest and Northeastern United States selected by DOE to participate in energy conservation projects of this type. These projects represent the first phase of a program leading to the possible construction of central heating systems for entire communities using waste heat from electric power plants.

## ENERGY AID NORTH

This energy conservation concept, known as cogeneration, would increase the operating efficiency of power plants and lessen dependence on limited fuels such as natural gas and oil.

Wade points out that central heating systems have been used for some years in Europe where fuel prices are almost double what they are in the United States.