



DISTRICT HEATING

OCTOBER-NOVEMBER-DECEMBER 1974



The Rotunda, University of Virginia



Osaka Castle



Pagoda at Nara

District Energy Systems

- ✱ University of Virginia at Charlottesville
- ✱ Walt Disney World at Orlando, Florida
- ✱ Battelle Memorial Institute Study

Refuse-Heat Recovery Systems

- ✱ Utilities and Industries in Japan's Urban Areas
- ✱ European Countries
- ✱ Study for Syracuse, New York

Proposed International Study of District Heating and Cooling by Battelle Memorial Institute

During the Association's June 1974 Annual Meeting in Cooperstown, New York, IDHA officials met with representatives of the U.S. Government, Battelle Northwest Laboratories, and the Massachusetts Institute of Technology to discuss the proposed Battelle Study. The Study, international in scope, would investigate the present and future role of district heating and cooling, and energy recovery, for building heating and cooling.

RESUMÉ OF STUDY DRAFT

Objectives

1. State-of-the-art of the technology and economics for district heating-cooling systems, processes, equipment and technology.
2. Techno-economic evaluation of alternate energy sources for district heating-cooling, and building heating-cooling systems.
3. Present and future role of district heating-cooling; building heating-cooling; and energy in the heating, ventilation, and air conditioning industry (market study for the years 1974, 1980, 1985, 1990).

Sponsors

1. District heating-cooling, and building heating-cooling companies
2. Energy companies
3. Equipment manufacturers
4. Government agencies
5. Engineering companies

Countries

1. United States (four regions)
2. Europe (West Germany, Sweden)
3. Japan

Total Research Budget: \$465,000

Cost Per Sponsor: \$ 15,000 (Industry)
150,000 (Government agencies)

Project Period: 18 Months

Expected Project Start: October 1974

This program is designed to provide district heating, equipment manufacturing, electric power, and energy companies, and governmental organizations with background information and a sound factual data base that will allow them to make rational decisions with respect to district heating and cooling. Specific information to be developed in this program that will be of value to them is:

- A description of the present and future competitive market position of district heating and cooling defined in terms of energy costs and availability,

total market growth, and governmental regulations.

- A ranking of alternative systems by efficiency, costs, and air and water pollution characteristics to allow the selection of the best systems for specific locations.
- An evaluation of the opportunity for the use of waste heat from electric power production.
- An evaluation of the types and quantities of energies that will be used for building heating and cooling in the future.
- An evaluation of the type and quantity of equipment that will be used for district heating and cooling.

The contact persons for the Study are: United States, Norman Wittenbroch, Battelle-Northwest, Richland Washington; Europe, Siegfried A. Barthelmess, Battelle-Institute, Frankfurt, West Germany; Japan, T. Fujino, Mitsubishi Corporation, Tokyo, Japan.

The IDHA Executive Board discussed the Study at its September 1974 Meeting and approved the following:

RESOLUTION

The Board of Directors of the International District Heating Association, at its meeting in Boston, Massachusetts on September 18, 1974, hereby passes a resolution endorsing the Proposed Study of District Heating and Cooling by the Battelle Memorial Institute. The IDHA pledges cooperation with information and data at its disposal, and will coordinate these with Battelle Institute for this Study. In addition, it will contact those member companies who will be in a position to most effectively utilize the results of such a study, to obtain their cooperation and indication of interest in implementing the Study's recommendations. *

NECROLOGY

Jay P. AuWerter, President of the C. E. Squires Company, Cleveland, Ohio, on December 3, 1974.

Mr. AuWerter, at the time of his death, was serving the Association as a Director on the Executive Board, and as Chairman of the Public Affairs Committee. In the latter position, he had been active in working for the implementation of the Battelle Memorial Institute Study referred to on this page. He had been a dedicated Association member since 1952. The news of his death was received while this issue was being printed.