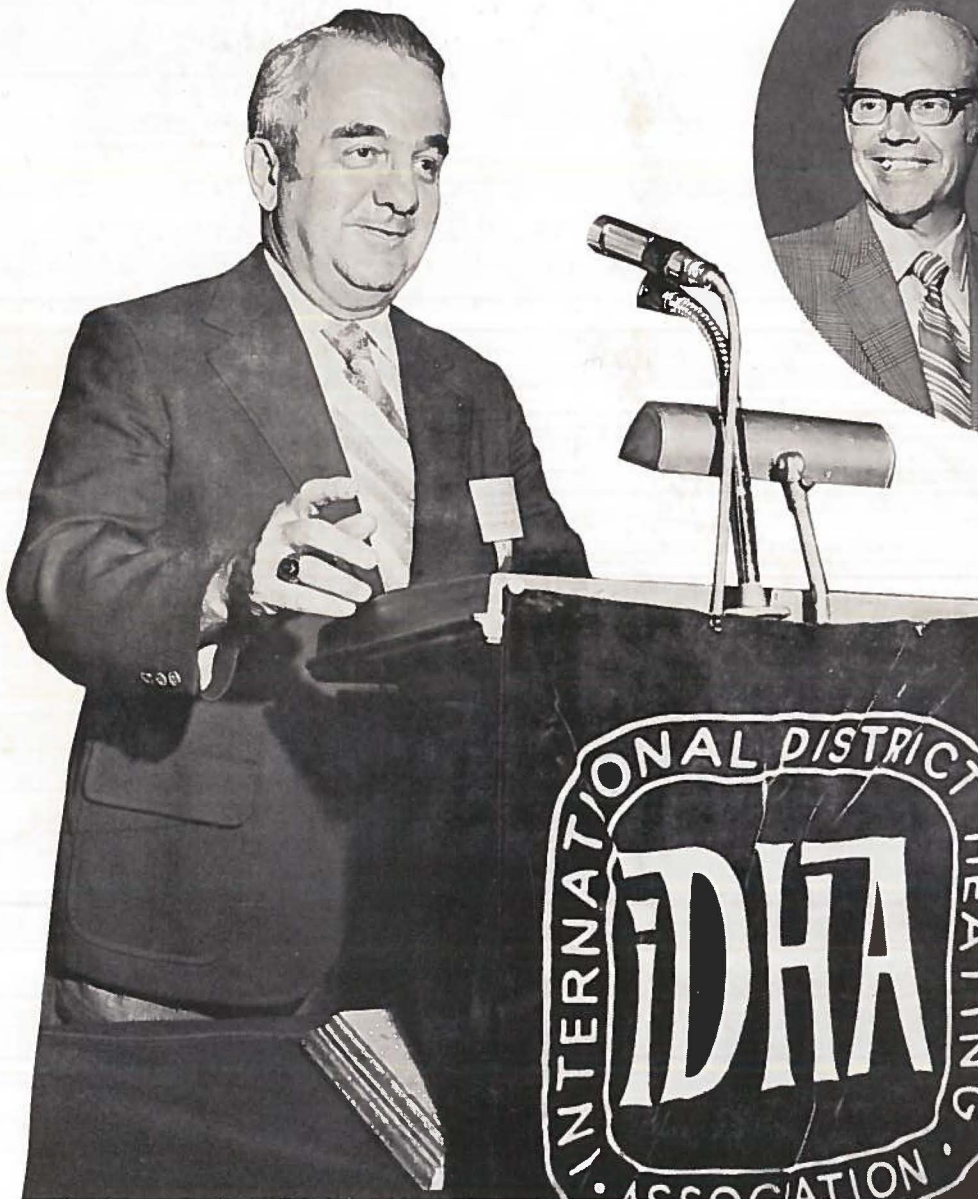




# District Heating



**ELLWOOD CLYMER**  
the Association's Technical  
Program Director, left  
and right  
**H. LANIER HICKMAN, JR.**  
the Keynote Speaker at the  
62nd Annual Meeting.

**Keynote  
Address  
Page 18**

**PRESIDENT  
CHESTER CURLEY**  
presiding at the 62nd IDHA  
Annual Meeting at Buck Hill Falls  
Pennsylvania  
week of June 21-24

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# NEW CENTRAL HEATING-COOLING PLANT TO SERVE DOWNTOWN MINNEAPOLIS, MINN.

A new central plant, the largest in the City, is being constructed at a cost of more than \$5 million. It will heat and cool the new 57-story IDS Center; plus the Baker Block, Foshay Tower, Northstar Center, the Cargill and Pillsbury Buildings, Dain Tower, and several other downtown buildings. A unique feature of the plant is that the structure will include parking and commercial space.

IDS Properties, the real estate subsidiary of Investors Diversified Services, is building the plant. Mr. Robert V. Hovelson, IDS Properties president, has said that the extensive research and engineering study which have gone into the planning for the facility, will assure that the plant will operate well within the strict pollution control standards set by city, state, and federal agencies.

The plant capacity—to heat and cool 8.5 million sq ft—will ultimately reach 16.4 million sq ft.

The initial operation will be based on two boiler units, each able to produce 200,000 lb of steam per hr—25 per cent more than the total output of the five boilers in the Baker Block which they will replace. After being used to heat the buildings, the steam will be returned to the new plant for recycling through the boilers.

The air conditioning capacity will be 10,000 tons per hr, or an amount which could cool 5,000 average-sized homes. A closed cycle refrigeration system will reuse well water after it is cooled in the plant's cooling towers.

The plant eventually can be expanded to use five or six boilers, and a 250 per cent expansion of the cooling facility will be possible. Already, building owners who have not contracted for service from the plant, are inquiring about the new facility because they are faced with complying with increasingly stringent pollution-control regulations.

Fuel will be primarily natural gas. In severe weather when gas is not plentiful, the plant is designed to use low-sulfur oil. Oil storage will be in two 150,000-gallon tanks beneath the plant.

Modern dust-collection equipment will be installed so that nearly all particulates will be removed from plant emission.

Target date for the plant's completion is this Fall, in time for the 1971-72 heating season. Initial occupancy of the IDS Center is slated for early 1972.

San Francisco's skyline is introduced to a striking structural bracing system in the new Alcoa Building, earning it an AISC architectural award of excellence.

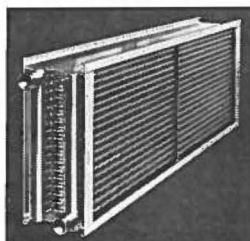
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