



EDWARD J. KING  
Governor

MARGARET N. ST. CLAIR  
Secretary

*The Commonwealth of Massachusetts*  
*Executive Office of Energy Resources*

*73 Tremont Street*  
*Boston, Massachusetts 02108*

(617) 727-4732

January 20, 1982

Dear Friend:

Governor Edward J. King, the Massachusetts Executive Office of Energy Resources and the Association of the Massachusetts Local Energy Officials (AMLEO) are sponsoring A ONE-DAY WORKSHOP ON DISTRICT HEATING AND COOLING. The session will be held on February 19, 1982 at the Lawrence High School Auditorium, 233 Haverhill St., Lawrence, Mass., from 9:a.m. to 5:30 p.m. You are cordially invited to attend.

The purpose of the workshop will be to present an overview of district heating and cooling -- its many benefits and opportunities as well as its constraints and impediments. The workshop panels have been structured to both introduce the technology and to explore the feasibility of integrating district heating and cooling systems into local development programs.

I hope you will find the attached agenda stimulating. If you plan to attend, please complete the registration form as soon as possible. Space is limited and will be assigned on a first-come, first-served basis.

I look forward to seeing you at the workshop.

Sincerely,

*Margaret N. St. Clair*  
Margaret N. St. Clair  
Secretary

Enclosure

MNSC:ed

## District Heating and Cooling Workshop

### What is District Heating and Cooling?

District heating and cooling is basically the distribution of heat from a centralized source to residential, commercial, or industrial customers in a community. The heat is carried to customers through pipes in the form of hot water or steam. It is ultimately used for space and water heating for commercial or industrial purposes. Several localities in the U.S. as well as in Scandinavia and Northern Europe presently enjoy the benefits of district heating and cooling.

### Past and Future of District Heating and Cooling

Originally pioneered in this country in the late 19th century, the technology was quite popular until the 1950's when facilities began to shut down. There were many reasons for this, but chief among them was the availability of cheap oil and gas.

Current energy prices and local concerns about how they undermine local economics have spurred increased interest in this old American invention which has recently enjoyed widespread and successful application in Northern Europe and Scandinavia. Many municipalities in the U.S. have begun to focus on the conversion, economic development and environmental benefits which the systems can bring to a locality. District heating and cooling is also receiving attention as ways to increase the efficiency of electrical generating plants are explored. With support from the Departments of Housing and Urban Development and Energy, a national consciousness of district heating and cooling is emerging. Significantly, its advocates are not only interested in conserving energy but addressing economic and other local community problems. However, while district heating and cooling may offer certain opportunities, there are also impediments to overcome.

### The Workshop: Is District Heating and Cooling in Your Community's Future?

Local officials can play a major role in advancing district heating and cooling. Successful systems can help local governments reduce their energy bills and those of the general public.

The workshop will present national and local authorities who will introduce you to district heating and cooling and help you to decide on the feasibility of pursuing projects in your community. Information on revitalizing old systems as well as constructing new ones will be covered. Opportunities as well as impediments will be reviewed. In addition, attendees will receive a workshop packet containing pertinent district heating and cooling information.

Since the cities of Cambridge, Springfield and Lawrence are actively pursuing such feasibility studies with support from the Departments of Energy and Housing and Urban Development, the workshop will focus somewhat on their experiences and plans to date.

## PANELISTS

Pentti Aalto  
Pequod Associates, Inc.  
Boston, Mass.

Anthony Carey  
Consultant  
Baltimore, Maryland

Wyndham Clark  
Office of Community  
Planning and Development  
Dept. of Housing and  
Urban Development  
Washington, D. C.

Kevin Clement  
City of Lawrence Energy  
Office  
Lawrence, Mass.

Richard Fahlander  
City of Cambridge Energy Office  
Cambridge, Mass.

Michael Karnitz  
Oak Ridge National  
Laboratories  
Oak Ridge, Tennessee

Joseph Fitzpatrick  
Essex Consulting Services  
Boston, Mass.

Walter Jabzanka  
Massachusetts Executive  
Office of Energy Resources  
Boston, Mass. 02108

Bryant Pake  
New England Innovations Group  
Berlin, New Hampshire

Robert E. Philpott  
Department of Energy  
Boston, Mass.

Robert Pierce  
Commonwealth Electric Company  
Wareham, Mass.

Joseph Superneau  
Department of Public Works  
Springfield, Mass.

Linda Sutliff  
Massachusetts Executive Office  
of Energy Resources  
Boston, Mass.

## Sponsors

The workshop is being held by Governor Edward J. King, the Massachusetts Executive Office of Energy Resources and the Association of Massachusetts Local Energy Officials. In addition to the organizations represented on the panels, the following have made major contributions to the meeting:

Massachusetts Municipal Association  
Boston, Mass.

Coalition of Northeast Municipalities  
Boston, Mass.

Michigan Energy and Resource Research  
Association  
Detroit, Michigan

Northern States Power Co.  
Minneapolis, Minnesota

Mayor Lawrence LeFebvre  
Lawrence, Mass.

Governor Edward J. King

Massachusetts Executive Office  
of Energy Resources

Association of Massachusetts  
Local Energy Officials

District Heating and Cooling Workshop

February 19, 1982

Lawrence Auditorium  
Lawrence, Mass.

AGENDA

- |            |                                                                                                                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00 A.M.  | Registration                                                                                                                                                                                                                                          |
| 9:30 A.M.  | Welcoming Remarks<br>Introduction of Keynote Speaker                                                                                                                                                                                                  |
| 9:45 A.M.  | Keynote Speaker                                                                                                                                                                                                                                       |
| 10:05 A.M. | Coffee Break                                                                                                                                                                                                                                          |
| 10:15 A.M. | Panel A: What is District Heating<br>and Cooling <ul style="list-style-type: none"><li>• history</li><li>• technology</li><li>• European experience</li><li>• conservation, economic<br/>development and other benefits</li></ul>                     |
| 12:15 P.M. | Luncheon                                                                                                                                                                                                                                              |
| 1:15 P.M.  | Panel B: Opportunities for Massachusetts<br>and the Nation in the 1980s <ul style="list-style-type: none"><li>• current initiatives throughout<br/>the nation</li><li>• current projects in Cambridge,<br/>Lawrence, and Springfield, Mass.</li></ul> |
| 3:15       | Panel C: Wrap Up <ul style="list-style-type: none"><li>• how to get started with district<br/>heating and cooling as a munici-<br/>pal project</li><li>• where to get additional help<br/>financing the system, options<br/>to consider</li></ul>     |
| 4:45       | Reception                                                                                                                                                                                                                                             |

DIRECTIONS TO LAWRENCE HIGH SCHOOL

233 Haverhill Street  
Lawrence, Mass.

From Boston - Rt. 93 to Rt. 495

From Springfield - Mass Pike to Rt. 495

Rt. 495 to Rt. 28N. Follow  
Rt. 28 straight. After  
crossing the Merrimack River  
count five stop lights. At  
the 5th take a right on to  
Haverhill St. Follow straight  
to high school - #233. Parking  
is all around school.

### How to Register

Please complete the attached registration form and return by February 12, 1982 to:

District Heating Workshop  
MA Executive Office of Energy Resources  
73 Tremont Street, Room .00  
Boston, MA 02108

Space is limited for this FREE workshop and will be allocated on a first-come, first-served basis.

The Workshop luncheon will be a self-pay affair at Bishop's Restaurant. On the registration form, please indicate whether you will join the group at the restaurant or arrange for lunch on your own elsewhere.

Directions to the Lawrence High School Auditorium are attached.

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**Registration Form**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Organization

\_\_\_\_\_  
Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

\_\_\_\_\_  
Telephone

☐

I will

☐

Will not attend the self-pay Luncheon at Bishop's

17 S-56  
Comm. from Margaret N. St. Clair, Sec., Executive Office of Energy Resources, transmitting an agenda for a workshop to be held re: district heating and cooling.

In City Council,

February 1, 1982

2/1/1982

Placed  
on  
File