

Registration Form:

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Make Checks payable to UMass Amherst.

Secure Credit Card Payments Available On-Line

Register on-line:

<http://www.maep.org/events/chpspringfield.htm>

Fill out this form and mail to:

Eric Winkler

Center Energy Efficiency and Renewable Energy

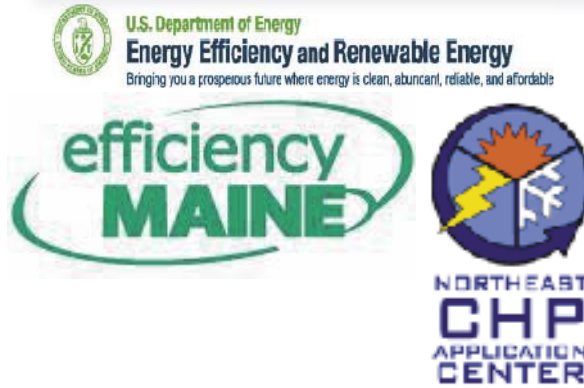
University of Massachusetts- Amherst

160 Governors Drive

Amherst, MA 01003-9265

Or Fax to: 413.545.1027

Sponsored By:



Supported By:



Smart Energy Solutions

Combined Heat and Power for Hospitals, Universities, Wastewater Treatment, Commercial and Manufacturing Facilities



Location:

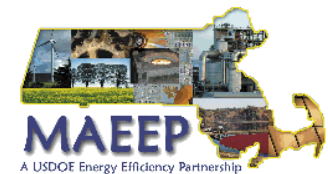
**Basketball Hall of Fame
Springfield, MA**

September 29, 2006

7:30 am - 3:00 pm

Hosted by:

**Massachusetts Energy
Efficiency Partnership**



Program Description:

This workshop is for energy end-users and decision-makers in the Northeast. The program is designed to provide information on cost effective opportunities for combined heat and power (CHP) – or re-cycling energy on-site, at your facility. The program will provide a basic outlook on CHP for Institutional, Commercial and Industrial facilities. Presenters will showcase case studies – providing real examples of cost-effective technology applications in businesses just like yours! In addition, it will overview the current technologies and application resources for combined heat and power equipment. Learn about incentives, financing strategies, and general “rules of thumb” that will assist you in moving your project from idea to reality. Start saving money on energy sooner, provide power security and reliability to critical infrastructure needs, and utilize fuel and resources more efficiently for a cleaner environment.

HOSPITALS – Many hospitals are prime candidates for CHP. It protects hospitals from disruptions in energy transmission, and decreases current energy costs.

UNIVERSITIES – College and university campuses are well suited for CHP applications because they significantly expand the amount of thermal loads potentially served by CHP; reduce the requirement for size and capital investment in production equipment due to the “diversity” of consumer loads; use larger and more efficient equipment and can take advantage of such things as thermal energy storage that aren’t economically effective on a small scale.

MANUFACTURING – Food Processing and Paper manufacturing facilities can self-treat wastewater and use methane from digesters to generate electricity and heat. By cogenerating with heat recovery, the engine saves both water and fuel.

WASTEWATER TREATMENT PLANTS and LANDFILLS - Generating renewable energy and heat from methane (produced as a by-product at landfills and many wastewater treatment plants) leads to efficiency gains, other environmental benefits, potentially lower energy bills, greater energy reliability, greater self-reliance, and a profitable use of an otherwise-wasted resource.

Agenda:

- 7:30 - **Registration and Continental Breakfast**
8:00 - **Introduction** Eric Winkler (UMass CEERE)
8:10 - **The Benefits** Lawrence Ambs (UMass CEERE)
Relationship to power companies, transmission and access to power, external benefits.
8:40 - **The Load** Gearoid Foley (Integrated CHP Systems)
What characteristics of a facility are used to model the benefits of distributed generation and CHP.
9:10 - **The Money** Robert Laurita (ISO NE)
Description of capacity incentives.
9:35 - **Break**
9:55 - **The Rules** Jim McNamara (Northern Power)
What are the regulatory barriers to installing and operating a CHP unit, permitting and interconnection.
10:20 - **The Tools** Michael Stocki and Beka Kosanovic (UMass CEERE)
Technical assessments, design models and schemes.
10:45 - **Turbines, reciprocating, other systems** Jim Watts (Ingersoll Rand)
11:15 - **Heating/Cooling applications:** Erik Robie and John Fox (UTC Power)
11:40 - **Large Installations Lessons:** Jason Burbank and John Mathews (UMass Amherst)
12:00 - **Lunch Speaker** Sean Casten (Vice Chair US CHPA, CEO Turbosteam Corp.)
Programs and Policies Related to Distributed Generation and CHP.
1:15 - 3:00 **Networking and Prescheduled Consultations**

Who Should Attend?

- Hospital Administrators and Managers
- Wastewater Treatment Plant and Landfill Managers
- College and University Energy Managers
- Manufacturing Plant Managers
- Commercial Building Operators
- Utility Managers
- State and Local Officials
- Energy and Building Consultants
- Financiers

Registration Information:

The cost of the workshop is
\$50 per person
(**\$75 after September 22**)

Cancellations less than 7 days before event are non-refundable

Use our On-Line Registration Page with
Credit Card Payment Option @
<http://www.maeep.org/events/chpspringfield.htm>

Limited Seats Are Available
Advance registration recommended

Directions

Please visit the following web site for directions:
<http://www.hoophall.com/visitor/visitor.htm>

