

# PRESS RELEASE

Contact: Jasmine Williams (201) 569-0420  
JWilliams@calmac.com

***For Immediate Release***

## **NY ASHRAE CHAPTER SEMINAR ATTENDEES TO LEARN ABOUT SUSTAINABILITY OF THERMAL ENERGY STORAGE SYSTEMS**

**Green Building Design** is an all-day seminar hosted by The New York Chapter of ASHRAE in association with representatives from The United States Green Building Council (USGBC), the United Nations (UN) and the New York State Energy Research & Development Authority (NYSERDA). Consulting Engineers, government energy experts, architects, property owners and developers attending the seminar will learn about green buildings and Leadership in Energy and Environmental Design (LEED™). It will be held on March 18, 2004 at the Alexander Hamilton US Customs House in Manhattan and will address the rising interest in the environmental friendliness of buildings.

Mark MacCracken, a scheduled participant in the Application & Technologies for Green Buildings panel discussion, will provide information on the role of Thermal Energy Storage (TES) and Green Buildings. He will reveal how TES lowers the cost of cooling a commercial building; it also helps the environment by reducing energy consumption and greenhouse gas emissions at the generating plant.

Mr. MacCracken is the president of CALMAC Manufacturing Corporation, maker of Thermal Energy Storage (TES) systems, also known as Off-Peak Cooling (OPC) systems.

Off-Peak Cooling is a proven energy conserving technology that uses off-peak electricity to dramatically reduce the cost of air-conditioning. Efficient nighttime energy is used to produce and store cool energy in the form of ice. The stored cool energy is used the next day for air-conditioning or process cooling during periods of peak energy demand. Shifting the energy usage from on-peak to off-peak reduces energy costs and helps stabilize the electric grid in areas of short supply, helping to avoid blackouts and reducing the need to build more power plants.

The US Green Building Council (USGBC) certifies buildings as “Green” by awarding LEED™ CERTIFICATIONS. LEED™ CERTIFICATION distinguishes building projects that demonstrate a commitment to sustainability by meeting the highest performance standards. These performance standards include criteria for sustainability, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovative and design process.

Integrating off-peak cooling into a building design can help qualify a building for LEED™ Energy & Atmosphere credits by increasing levels of energy performance above the prerequisite standards to reduce environmental impacts associated with excessive energy use. Credits can be obtained by demonstrating that the proposed design energy costs are lower than the base energy cost budget for regulated energy components described in section 11, page 59 of the ASHRAE/IESNA Standard 90.1-1999.

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## **SPEAKER TO DISCUSS GREEN BUILDINGS**

**Page 2 of 2**

“Off peak cooling systems can provide significant reduction in cooling costs over conventional cooling systems because the system reduces electric demand and uses cheaper and more efficient night-time energy.’ Mr. MacCracken has stated in recent ASHRAE meetings, ‘OPC is friendly to the environment because the technology saves valuable source energy (the energy used to make electricity at the power plant) and reduces emissions.’”

CALMAC Manufacturing Corporation, an ENERGY STAR<sup>®</sup> Partner and USGBC member, is a leading manufacturer of Thermal Energy Storage / Off-Peak Cooling systems. The company has over 3,000 ice storage installations worldwide. For more information on CALMAC’s Thermal Energy Storage products, contact CALMAC MANUFACTURING CORPORATION, 101 West Sheffield Avenue, Englewood, NJ 07631. Their telephone number is (201) 569-0420, or you can visit their web site at [www.calmac.com](http://www.calmac.com).

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