

PRESS RELEASE

Contact: Jasmine Williams (201) 569-0420

JWilliams@calmac.com

For Immediate Release

DOE Includes Thermal Energy Storage among Federal Technology Options for Energy Efficiency

Englewood, NJ – Thermal Energy Storage (TES) has been included in the US

Department of Energy list of Federal Technology Alerts that provide information about energy-efficient technologies to Federal energy and facility managers. Titled “Thermal Energy Storage for Space Cooling” the 36 page document describes TES as a technology for reducing on-peak electricity demand and cost.

This Federal Technology Alert maintains that cheaper energy is available at night and that Thermal Energy Storage (TES) systems may enable the facility manager to take advantage of those cheaper rates for cooling Federal buildings. The operating principle of TES differs from traditional cooling systems because it does not rely on electric chillers operating at peak demand periods (when rates are most expensive). Instead, chillers are used during “off peak” periods (when rates are lowest) to store ice or chilled water in insulated tanks.

- more -

**Calmac Manufacturing
DOE Includes TES
Page 2 of 2**

When the higher rates come into effect, the chillers are turned off and the expensive, daytime energy is used merely to retrieve the stored cooling and distribute it into the building's air-conditioning system. Since chillers do not operate during peak demand periods, the facility thus shifts the energy load from high priced, peak usage periods to cheap, low usage periods.

“The Alert concludes that the Federal sector would save \$50 million a year if Off Peak Cooling was applied in a small fraction of its buildings,” stated Mark MacCracken, CEO of Calmac Manufacturing Corporation, the leading producer of Thermal Energy Storage systems. “It also does an excellent job of detailing the best applications for the technology.”

Available free of charge from the Department of Energy by calling 800-363-3732, the Alert, includes a number of informative graphs, charts and calculations for determining potential TES energy cost savings. It also lists the names and addresses of installations that use this technology, the manufacturers who offer it, along with other sources of information.

“Thermal Energy Storage for Space Cooling” is one of several Federal Technology Alerts issued for informational purposes and is not meant to imply endorsements of either the technology or the technology provider.