

PRESS RELEASE

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For Immediate Release

NEW ICE STORAGE TANK HEADERS FACILITATE FIELD PIPING AND INSTALLATION

Englewood, NJ -- In addition to reducing their air-conditioning electric bills by up to 40%, building owners that select Off-Peak-Cooling (OPC, also known as Thermal Energy Storage) will now realize even greater savings with Calmac Manufacturing Corporation's Ice Bank[®] Model 1500C. The new 1500C model is a set of three individual ice-storage tanks that are assembled into one unit at the factory. The Model 1500C features modular, internalized, main headers under each tank's cover, an elimination of field installed insulation, flex connectors, mechanical joints and fittings.

New improvements to the Model 1500C benefits engineers, building owners and contractors. The new 100% welded polyethylene heat exchanger improves reliability, virtually eliminates the need for maintenance, and is available with pressure ratings up to 125 psi. The modular, internalized, main headers eliminates 80% of external piping which results in a 20% smaller footprint requirement and more flexibility in siting arrangements. The installation and insulation of tanks with just two connected pipes reduces time and installation costs. All together, these new improvements enable the Calmac 1500C Model to provide up to 500-ton hours.

- more -

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Calmac Manufacturing is the world leader in Off-Peak-Cooling systems. Since 1979, Calmac's Ice Bank[®] product line has accounted for 50% of all such installations domestically and 60% of the international export market. For more information on the Model 1500C series tank and other Calmac products, contact Calmac Manufacturing Corporation, 101 West Sheffield Avenue, Englewood NJ 07631-4880, telephone 201/569-0420 or visit their web site at <http://www.calmac.com>

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Ever-increasing loads on the electric grid have caused blackouts and brownouts throughout the country, and peak electric rates have soared nationally as a result of the unsettled market after deregulation. TES is becoming increasingly important in this environment, because it is a simple technology that creates cooling at night when utility rates are cheapest, stores the cooling in the form of ice, and uses that ice during daytime peak power periods to create air conditioning.

The main component of a Calmac TES system is an Ice Bank® tank. Modular, maintenance-free polyethylene, each tank contains miles of spiral-wound plastic tubing. At night, cold heat transfer fluid circulates through this submerged tubing until 95% of the surrounding water is frozen solid. The following day, the stored ice cools that fluid, which circulates to the air handling coils of the building.

TES saves money by moving the largest portion of the moveable electric load 'off-peak'. Payback for most facilities averages from one to four years. TES systems can be designed to save energy, too - and the lower temperature air achieved with ice means lower airflow requirements so fans, motors, ducts and pumps can all be smaller and considerably less expensive.