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CALMAC Saves Sarasota County Schools Over \$8 Million in Energy Savings

Thermal energy storage saves school system money and energy, plus earns incentives

Fair Lawn, N.J. – January 21, 2010 – [CALMAC](#), a leader in building-side [energy storage](#) systems, announced it has saved Sarasota County Schools over \$8 million in energy savings plus over \$4 million in utility incentives in 18 years with its thermal energy storage technology. By shifting the electric demand from on-peak to off-peak with IceBank® energy storage in thirty-one of the fifty Sarasota County schools, the school district is not only saving money and energy, but creating a better quality of comfort throughout its buildings.

To date, almost 12 megawatts of energy or 11,000 tons of cooling and 25 percent of on-peak electric demand has been shifted to off-peak hours by Sarasota schools. For every 500 tons that is shifted, the school saves approximately 408,960 lbs of CO₂ per year, meaning the schools save nearly 8,997,120 lbs of CO₂ per year (11,000 tons x 408,960 lbs of CO₂ per yr / 500 tons). In 2008, the school district saved \$729,000 alone with their energy storage systems. That breaks down to 16.5 cents per square foot saved in the buildings with thermal energy storage. The Sarasota County School System encompasses 50 public elementary, middle and high schools, as well as other facilities throughout Sarasota County, Florida which houses more than 40,000 students.

“Thermal energy storage was first implemented in 1992 in Sarasota County Schools,” said Bo Hetzel, energy management specialist for the school district. “The benefits of this technology include lower operating costs, energy savings and FPL incentives, plus more reliable cooling and dehumidification throughout the buildings.”

“Large school systems, especially in warmer clients like Florida, face challenges every year to cut costs when it comes to cooling their buildings more effectively,” said Mark MacCracken, CEO of CALMAC. “Thermal energy storage is an important part of a high-

performance, sustainable design, and Sarasota County Schools are a prime example of the value of implementing alternate solutions for energy savings.”

For more information on CALMAC and thermal energy storage, visit <http://calmac.com/>.

About CALMAC

[CALMAC](#) Corporation is widely recognized for promoting peak energy conservation and energy cost savings. An Energy Star[®] Partner and USGBC member, CALMAC is a leading manufacturer of IceBank[®] Energy Storage equipment with over 3,300 Ice Storage installations worldwide. IceBank systems are a valuable component of the smart grid, enabling energy, including renewable wind energy that mainly blows at night, to be efficiently stored for use during periods of high demand.

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