



FOR IMMEDIATE RELEASE

City of Encinitas Civic Center Recognized for Energy Retrofit Project with CALMAC

Acknowledged by Association of Energy Engineers for installation of IceBank® energy storage tanks as part of retrofit project

Fair Lawn, N.J. – November 5, 2009 – Last night, the Civic Center in Encinitas, California received the [Association of Energy Engineers’](#) (AEE) 2009 International Award in the Renewable Energy Project of the Year category. As part of the retrofit project, a hybrid cooling system, which included CALMAC’s IceBank energy storage tanks and Trane’s cool water system, was installed at the [Civic Center](#), and reduced its energy costs by **43 percent**.

The hybrid cooling system makes and stores ice at night during off-peak times, when utility rates are far less expensive and when cleaner baseload plants are used. Chillers are rightsized to handle energy demand efficiently and stored energy kicks in when needed. This decreases the civic center’s cooling costs and reduces its effect on the energy grid by shifting energy demands to less expensive rates. Over the next 25 years, the project will save the Civic Center more than \$4 million in utility bills alone.

Behind this award-winning retrofit design was engineering firm, PE Consulting, and engineering, construction, and alternative energy provider, Xnergy. “We proposed the [retrofit](#) project to the city council with the goal of meeting LEED Silver certification,” said Doug Poffinbarger, CEO of PE Consulting. “CALMAC’s energy storage tanks played a significant role in the design, exceeding our expectations in engineering support. We are very proud that the AEE is recognizing Encinitas’ environmental achievement this evening.”

“After the Encinitas City Council unanimously approved our proposal, we began to examine HVAC products that would properly cool the entire building while putting the least amount of strain on the energy grid and the environment,” said Justin Miller, Director of Business Development for Xnergy. “CALMAC and Trane’s hybrid cooling system was selected, ultimately helping the Encinitas Civic Center to win this award.”

This is not the first award the project has won recognizing its commitment to energy efficiency. The California Center for Sustainable Energy awarded the Civic

Center the San Diego Excellence in Energy (SANDEE) due to the success of its innovative retrofit.

“Awards like the AEE and SANDEE help shine a greener light on energy retrofit projects, and I’m pleased that CALMAC had a hand in the retrofit at the Encinitas Civic Center,” said Mark MacCracken, CALMAC CEO and USGBC Board Member. “This project helps to show what is possible for every town in every city, and the fact that it is winning awards is a tremendous honor.”

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 enable energy, including renewable wind energy which mainly blows at night, to be efficiently stored for use during periods of high demand.

About Trane

Trane, a business of Ingersoll Rand - the world leader in creating and sustaining safe, comfortable and energy efficient environments - improves the performance of homes and buildings around the world. Trane solutions optimize indoor environments with a broad portfolio of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for homes and commercial buildings. For more information, visit www.Trane.com.

About PE Consulting

PE Consulting, Inc. is a multi-discipline consulting engineering firm specializing in transforming companies and institutions into highly efficient, sustainable enterprises. PE Consulting makes buildings green and develops clean energy and water solutions through world-class expertise in energy auditing, sustainable design, building commissioning and LEED certification. Over the last fifteen years, PE Consulting has engineered more than \$1 billion in energy cost savings for its clients. For more information, visit www.PEconsulting.com.

About Xnergy

Xnergy is an award-winning engineering and construction firm who provides turn-key solutions for traditional and alternative energy projects. Since inception in 2001 Xnergy has engineered, installed, and/or commissioned nearly 70 megawatts of traditional and alternative energy systems. They are based in Carlsbad, CA and have been rated the #1 Alternative Energy provider according to the San Diego Business Journal.

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