



# TRIPLER ARMY MEDICAL CENTER

## >>>> NEWS RELEASE <<<<

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November 30, 2006

## Tripler receives Energy Efficiency Award during 2006 Electro-Technology Expo

Honolulu – Tripler Army Medical Center received the 2006 Institutional Project Award at the 7th Biennial Efficient Electro-Technology Exposition and Conference, presented by Hawaiian Electric Company (HECO) at the Hawaii Convention Center Wednesday.

The Tripler Logistics Team of **Peter Kwong**, facility systems technology integration manager, TAMC; **Glenn Engle**, project manager, TAMC; **Tommy Soder**, contractor, Honeywell; **Walter Michel**, electrical engineer, TAMC; **Myron**



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## **2-2-2 HECOAWARD**

annual savings over \$231,000 and earned the hospital a HECO rebate of \$121,000.

Col. Derick B. Ziegler, chief of staff, TAMC, accepted the award on behalf of Tripler Army Medical Center.

“I know the event meant a lot to all of our attendees - especially our Logistics/Facilities staff,” Ziegler said. “They are the ones who did the work for the award. A \$231,000 energy-costs savings per year is big dollars, so this was a big time award,” he said.

The TAMC Facility Management Branch is always looking for ways to achieve energy savings.

“The Energy Savings Performance Contract (ESPC) Phase 2 projects are among numerous small and large, normal and unique actions by the energy management team to meet the operating needs of the hospital as efficiently as possible,” Kwong said. “We have been working closely with our ESPC Contractor, Johnson Controls, to identify, engineer, and implement solutions that take positive steps towards achieving reliability and energy efficiency in the equipment and operations to provide a comfortable work and patient care environment,” he said.

Kwong concluded...

“Winning this award provides us with such a sense of satisfaction,” he said. “Not only are we saving the government money, but we’re also helping the community by using less of its natural resources.”

Kwong provided the following information to explain why Tripler was awarded the Energy Efficiency Award:

### **The energy projects in the Phase 2 scope of work provided:**

- **Increased Chiller Efficiency** - The chilled water loop combination and condenser water set-point optimization projects allowed our Central Plant Chillers to operate at higher efficiencies by consolidating smaller night cooling loads and

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### **3-3-3 HECOAWARD**

automating the process of providing the chillers with the coolest condensed water achievable.

●**High Efficiency Water Heating System** - The new heat pumps provide high efficiencies by both pre-cooling the used chilled water returning to the Central Plant, and then transferring all the recovered heat into the Domestic Hot Water and HVAC Terminal Reheat Water loops.

●**Improved Staff and Patient Comfort** – The new Air Side Devices and Energy Management Control System all work together to help make a safe and comfortable environment for the patients and staff of the hospital. The systems save energy by adapting outputs to match cooling loads, automatically changing the environmental conditions at night to lower system requirements, and providing diagnostic capabilities to quickly identify and correct system operations.