

# DID YOU KNOW?

## How did I save energy for the Navy?

One of Far East's current energy initiatives is bringing Diego Garcia to a net or near zero footprint. That means that the power generated by renewable energy sources is the same as the energy consumed at the installation. Because Diego Garcia is one of the most remote of all U.S. Navy installations, energy security is critical to its mission. So we're creating an energy roadmap for Diego Garcia that includes energy efficiency, conservation and renewable generation to meet our net zero goal by the end of the decade.

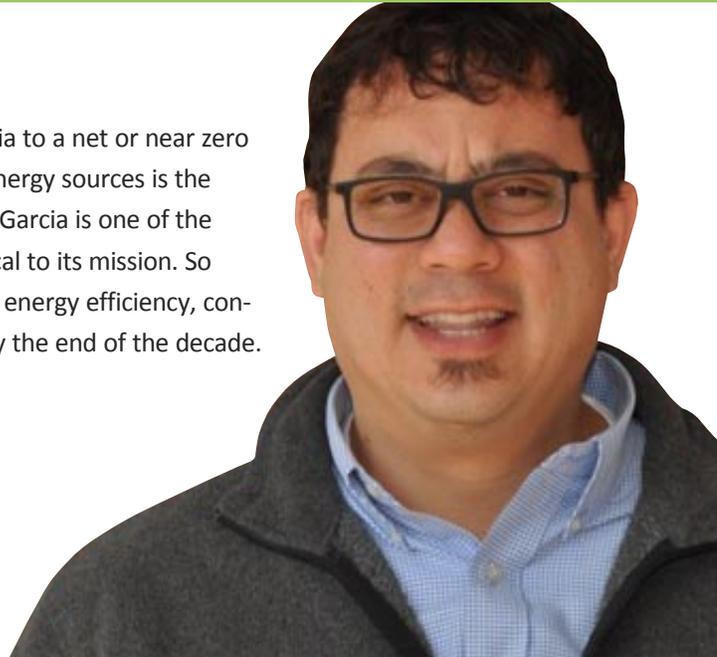
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## Do you think culture change with regard to energy conservation is important for our Navy?

Apathy is one of the Navy's biggest energy related challenges. To reduce our energy consumption, the status quo has to change. Effective energy conservation will only come about when behaviors and mindsets change. Energy-efficient technologies will help us reduce consumption although efficiency alone won't get us there. We need to change the conversation about energy in the Navy.



**ENERGY SECURITY ENHANCES COMBAT CAPABILITY**

# Did you know that light emitting diodes are 50 percent more efficient than fluorescent lights, last seven to ten times longer, and are not considered hazardous waste?

In response to the one gigawatt renewable production goal set by Secretary of the Navy Ray Mabus in 2009, renewable energy production and efficiency has become a new priority in the Far East energy strategy. While not an easy goal to achieve—we currently consume nearly 3.5 million British thermal units (MBTU) per year—we are determined to try to meet this goal and reduce our energy consumption across Far East installations which include Japan, Singapore, Diego Garcia, and South Korea. We have implemented numerous energy-saving projects ranging from solar photovoltaic to solar thermal domestic hot water systems. These projects have generated approximately 8,200 MBTU per year in energy savings. The ultimate goal is reduce energy consumption so that the limited amount of renewable generation available overseas has a bigger contribution to the region's target of 50 percent of energy from renewable resources.

By reducing energy consumption and increasing our cost savings, we are better able to support the warfighter. Ultimately, conserving energy for the Navy is a function of dollars, and every dollar saved on energy is one that can go toward the Sailor, Airman, Soldier and Marine. Providing more resources to the warfighter is something I take very seriously. My goal is to help people understand that their energy-related actions while ashore do in fact have an impact on combat readiness and the warfighter.

The more we conserve, the more time we give ourselves to invent, develop, and bring about energy solutions to reality. My job is to find creative solutions to current energy challenges throughout Far East Navy installations and for the Navy as a whole. Of course, I don't do this alone. I have a great team that helps me implement these energy projects. Currently, we are working towards increasing the Navy's renewable energy generation footprint by constructing new renewable energy systems, such as wind turbines, photovoltaic and hot water systems, when and where applicable and economically feasible. High construction costs and limited space have made the installation of renewables challenging. But our team keeps plugging away and seizing opportunities where we see them.



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