



MCSF BLOUNT ISLAND

JACKSONVILLE, FLORIDA



AWARDS

Platinum Certification in 2012 by the U.S. Energy Program
2016 DoD Secretary of Defense Environmental Award



PROJECT SIZE

13 facility and 5 non-facility areas
\$5.2 million



CONTRACT METHOD

UESC



SAVINGS INFORMATION

Energy savings of over \$490,000 annually



A CenterPoint Energy Company

Naval Facilities Engineering Command (NAVFAC) manages the planning, design, construction, contingency engineering, real estate, environmental, and public works support for U.S. Navy shore facilities around the world. NAVFAC Southeast granted a UESC to TECO Peoples Gas and Energy Systems Group (ESG) for energy improvements to facilities at Marine Corps Support Facility (MCSF) Blount Island.

SOLUTION

ESG applied energy-saving improvements to 13 facilities and five non-facility areas to help MCSF Blount Island meet federal energy savings mandates.

The project scope included the following modifications:

- Solar PV, Solar Hot Water, and Geothermal Energy System Installations
 - Installed solar-powered water circulators in two retention ponds to maintain proper oxygen levels
 - Replaced one building's cooling equipment with a water cooled chiller and water source heat pump
 - Replaced one buildings existing heating and cooling equipment with ground-source heat pumps and air-handling units
 - Installed solar hot water panels to improve one building's existing electric water heating system
- High-Efficiency Lighting Retrofits
- HVAC Improvements
- Controls and Motor Upgrades
- Transformer Replacements
- Metering and Insulation
- Compressed Air System Repairs

RESULTS

“This project puts us on the path to meet goals of the Commandment of the Marine Corps Campaign Plan, increases our use of renewable energy, and reduces energy to meet executive order goals.”

- Colonel Steven Peters, Blount Island Base Commander

The project resulted in energy and operational savings of over \$490,000 per year.