

Naval Air Station Jacksonville

Jacksonville, Florida



Annual Energy Cost Savings
Over \$2 Million

Project Background

The engineering and utility staff at Naval Air Station Jacksonville is known for taking a leadership role in promoting and facilitating energy conservation measures at base facilities. They were looking for a partner that could deliver energy reductions and operational improvements to 70 buildings without impacting existing budgets and base operation during these critical times.

Strategies & Solutions

Energy Systems Group designed and implemented an innovative package of solutions that leveraged technology with a proven track record of performance to provide significant energy reductions and dramatically improve energy self-sufficiency for the base.

In coordination with the base leadership, ESG crafted an energy strategy utilizing the Utility Energy Services Contract (UESC) in partnership with the local gas provider, TECO Peoples Gas, to install energy efficiency upgrades to base facilities and infrastructure which included lighting improvements, water retrofits, and steam to natural gas conversions. This \$17 million project provided over \$2 million annual cost savings and more than 65,000 MBTUs in annual energy savings at Naval Air Station Jacksonville.

Key Installed Technologies

Renewable Systems

- Solar Pool Hot Water Heating
- Solar Domestic Hot Water Heating
- Daylighting Technology

Mechanical Retrofits

- Steam to Gas Conversions - decentralization
- Furnish and install natural gas fired infrared heaters
- Furnish and install natural gas fired water heaters
- Furnish and install natural gas fired boilers
- Retro-commissioning and HVAC equipment upgrades

Lighting Systems

- Upgrades and modifications to lighting systems in 68 buildings
- Retrofits of exit lighting with new LED exit lights
- AHU UV Lighting

Water Retrofits

- Install water conservation measures in nine buildings for public restrooms, dorms lavatories, and laundry systems



Naval Air Station Jacksonville Project
Ribbon-Cutting Ceremony

