



Eglin Air Force Base

Investment Grade Audit and Preliminary Feasibility Study

About the Facility:

Eglin Air Force Base (AFB) is located in Okaloosa County, Florida and is home to the Air Armament Center (ACC), one of the four product centers in the Air Force Material Command (AFMC). The mission of Eglin AFB is to support the ACC and the several tenant commands and associate units with services to include civil engineering, personnel, logistics, communications, computer, medical and all other host services. Eglin AFB needed to partner with a team to provide an assessment to maximize building energy and water efficiency to reduce overall utility costs. More than \$27 million for energy and an additional \$872 thousand for water was spent in the year previous to the audit.

Scope of Work

Sain Engineering Associates, Inc. (SEA) provided investment grade energy assessments to Eglin AFB. The base-wide energy assessment included 52 of the major energy-consuming buildings totaling more than 3.5 million square feet. The assessments were completed in six weeks from first day on site to submission of the final report.

Because of the diversity of services located at Eglin AFB, energy assessments were performed on a variety of buildings, including: research, administration, maintenance, dormitories, warehouses and hangars. This audit primarily targeted the identification of Energy Conservation Measures (ECMs) for each audited building and the development of capital improvement projects that are justified based on their potential energy savings. In addition to observation of existing equipment and current operations, a computer model of each building was created and analyzed in eQuest.

SEA identified 17 ECMS and the total estimated savings was \$10.3 million per year.

In just six weeks, SEA helped Eglin AFB identify 17 ECMs across 52 buildings and 3.5M square feet to achieve \$10.3M in cost savings per year.



Annual Estimated Cost Savings



Buildings Assessed in Six Weeks



Square Feet

