



NAVAL BASE CORONADO

SAN DIEGO, CALIFORNIA



AWARDS

2018 Secretary of the Navy
Energy Excellence
Gold Level Achievement



SAFETY RECORD

ZERO OSHA Recordable Events



PROJECT SIZE

96 buildings/3.3 million sq. ft
\$70 million



CONTRACT METHOD

ESPC



SAVINGS INFORMATION

Annual cost savings of \$5+M
Annual energy savings of more
than 321,555 MMBtu



Naval Base Coronado wanted to implement improvements at Naval Air Station North Island (NASNI) to reduce energy and water use and enhance resiliency, enabling NASNI to continue carrying out its core missions. ESG's primary focus for this project was the decentralization of NASNI's centralized steam system.

SOLUTIONS

In order to eliminate much of the central steam distribution system that served 75 buildings, ESG installed eight high-pressure steam boiler-in-a-box systems for ships and industrial processes. ESG also installed hot water boilers, heat pumps, and gas-fired equipment. Types of buildings in this project include offices, workshops, storage facilities, maintenance operations, hangars, piers, classrooms, paint complexes, training facilities, and industrial buildings, totaling over 3.3 million square feet.

The following scope of work:

- Installed hot water boilers, heat pumps, and gas fired equipment
- Installed high-pressure steam boiler-in-a-box systems for ships and industrial processes
- Installed point-of-use air compressors
- Provided industrial compressed air optimization
- Installed volatile organic compound (VOC) oxidizer

RESULTS

Through this project ESG was awarded the 2018 Secretary of the Navy Energy Excellence Gold Level Achievement.

This project increases renewable energy production to the maximum that is economically viable under new Net Energy Metering; reduces energy use and demand by converting and replacing existing interior and exterior light fixtures with LEDs; and improves air quality and energy efficiency through HVAC controls upgrades.

The project results in annual cost savings of more than \$5 million.