



MCICOM Cherry Point RESOURCE EFFICIENCY MANAGER SERVICES

About the Facility:

When visitors come to Marine Corps Air Station Cherry Point, one of the first things many of them notice is the roar of jet aircraft which attributes to the words on their gate sign, "Pardon our noise, it's the sound of freedom." For more than 75 years, those sounds of freedom have echoed through local skies. Sain Engineering Associates, Inc. (SEA) was subcontracted to provide a Resource Efficiency Manager to the Air Station to conduct an Investment Grade Audit to determine the most financially feasible options for maintaining existing onsite plants.

Scope of Work

As a result, SEA's REM outlined realistic Energy Conservation Measures based on Audit results that could be realistically implemented to meet Authority to Operate (ATO) accreditation.

The project will provide a secure wireless network for centralized wastewater lift station monitoring and control. This project also replaces two of the eight switching stations in Cherry Point's electrical distribution system which are the only ones that have not been upgraded to modern or standardized equipment. As a result, MCAS Cherry point announced the award of a \$44M utility energy service contract (UESC) with its serving utility, Duke Energy. The core of the UESC project will greatly improve MCAS Cherry Point's energy security by focusing on electrical and wastewater system upgrades. Prioritizing the installation's most critical needs, the UESC will include:

- Electrical System Upgrades
- Energy Management Control System (EMCS) upgrades
- HVAC Modernizations
- Wastewater treatment system upgrades
- Expansion of Reclaimed Water System
- LED Lighting Upgrades

SEA has managed as many as 68 Department of Defense (DoD) REMS under contract at one time. We have successfully provided REM services throughout the DoD, including the U.S. Army, Navy, Air Force, Marine Corps, Army Reserves and the Air National Guard. This is just one example of the outstanding work on-site REMs can provide to our military bases with worldwide reach.

SEA REM helps identify \$45M ECM Implementation Cost Savings for Energy Efficient Upgrades at MCAS Cherry Point.

#InnovationIsTheRoadToResilience

2019 ENERGY ACTION MONTH

- A resilient warrior also requires resilient energy. Train hard, fight easy -

www.mcicom.marines.mil/Units/GF-Facilities/GF-1-Energy

MCICOM UNITED STATES MARINE CORPS INSTALLATION COMMAND

