



**Commander Fleet Activities Yokosuka (CFAY), located south of Tokyo at the entrance of Tokyo Bay, is the largest overseas U.S. Naval installation in the world and one of the most strategically important bases in the U.S. military. CFAY hosts more than 50 forward-deployed tenant commands, including elements of the United States Seventh Fleet and Commander Destroyer Squadron 15, and the only permanently forward-deployed aircraft carrier, USS Ronald Reagan (CVN-76).**

In 2008, NORESKO completed the installation of a 39-MW cogeneration plant at CFAY under an ESPC. The cogeneration plant was designed to deliver clean, efficient, and reliable electric power to meet all capacity needs, and to provide additional 60-Hz power generation capacity to meet increasing mission requirements. In 2023, after 15 years of successful performance, the ESPC was modified to include the CFAY Power Resiliency Island Mode Enhancements (CFAY-PRIME) project to bolster energy resiliency for mission-critical systems.

The 39-MW cogeneration plant featured a new four-story building to house the plant, three gas turbine generators with heat recovery steam generators, three reciprocating engine generators with heat recovery steam generators, major upgrades to the steam generation and distribution system, and installation of a new gas line to the base.

The CFAY-PRIME project will ensure the continuity of operations in the event of grid power interruptions by enabling CFAY to quickly island its power systems to serve mission-critical energy needs. CFAY-PRIME will also include implementation of cybersecurity upgrades in accordance with the U.S. Department of Defense Risk Management Framework.



This **\$166.9 million** ESPC project will generate more than **\$444.6 million** in guaranteed cost savings.



Safety: this project was implemented with **no OSHA violations** or fines.



This ESPC includes **21 years** of ongoing operational **support and maintenance and repair** to ensure that the plant is functioning at **optimal efficiency** and capacity and **maximum availability**.



This ESPC reduced carbon dioxide emissions by **49,940 metric tons** annually.



This ESPC has **exceeded the annual savings guarantees** in every year of performance.

NORESCO's ESPC work for the Navy dates back to 1997 with our project at Naval Surface Warfare Center - Crane Division, IN. Since 1984, NORESKO projects have saved more than 120 million MMBtu of energy, 20 billion kWh of electricity, and 50 billion gallons of water and provided more than \$5 billion in guaranteed energy, water, and resource savings.