

FEDERAL ENERGY AND WATER
MANAGEMENT AWARDS



Project
Award Winners



DAVID SHAFFER
TODD EVANS
SHARMEENA
SALAM-HAUGHTON
JOSEPH CAFFERATA
WILLIAM MOSER

U.S. Embassy Koror First Net-
Zero Embassy Project
U.S. Department of State

In 2022, the U.S. Embassy in Koror, Palau, achieved a groundbreaking milestone by becoming the first U.S. net-zero energy embassy, thanks to the Bureau of Overseas Buildings Operations' installation of a 162-kW solar PV system. This initiative aligns with the Bureau's commitment to sustainability, showcasing early action on renewable energy and achieving several key milestones. The embassy now produces 100% of its power needs, resulting in a projected cost avoidance of over \$100,000 annually.



STEVE RUTLEDGE
KINGA HYDRAS
PATRICK CHAPMAN
DAVID COCKRELL
STAN MCCOURRY

Net-Zero Oklahoma Project
U.S. General Services
Administration

Executed in the Oklahoma City Federal Building, the project implemented grid-interactive efficient building technologies, achieving near net-zero emissions and inspiring similar initiatives. Supported by grants and funding, the project yields \$13.5 million in projected savings, a 41% energy reduction, and a 3,100 metric ton annual greenhouse gas reduction, positioning it as a model for GSA's commitment to sustainability and resilience.



MICHAEL
RINGENBERG
MARK DENT
DEAN ANDREWS
DAN SHERRILL
SHAWN WILLIAMS

Kadena Air Base Energy Savings
Performance Contract Project
U.S. Air Force

Kadena Air Base strategically addressed resource limitations through an \$86 million ESPC, marking one of the largest water conservation initiatives in the Department of the Air Force (DAF). Completed in Fiscal Year (FY) 2022, the project includes four energy conservation measures, featuring LED lighting installations and water infrastructure upgrades that achieved substantial savings. Over 1,100 facilities benefited from LED lights, enhancing energy efficiency, and providing robust lighting. Water upgrades in more than 1,000 facilities saved nearly 60 million gallons in FY22, crucial for the island's limited water supply.



JENNIFER MEYER
PETER MARVIN
FRED SANDGREN
DAVE BELANGER
KRIS PETERSEN

Army Water and Heat System
Slip Lining Project
U.S. Army

This project at Fort Wainwright, Alaska, spearheaded by the Department of the Army, tackles vital infrastructure issues in the challenging Arctic setting of the military base. The project involved installing new stainless steel piping within existing lines, creating a revamped system without demolition, and rehabilitating ductile iron pipe waterlines using a cured-in-place-pipe (CIPP) lining system. These measures not only averted the risk of catastrophic failures but also enhanced water conservation, energy efficiency, and water quality.

