Sustainability Innovations



CAPT John J. Hickey

Emergency Load Reduction



Benefits of ELRP



Incentives



Protect the Community



Environmental Protection



Protect Your Operations

ELRP Incentives



ELRP Incentives



Base Honolulu

Exterior Lighting & Solar Domestic HW





Base Honolulu

Photovoltaics & Vending





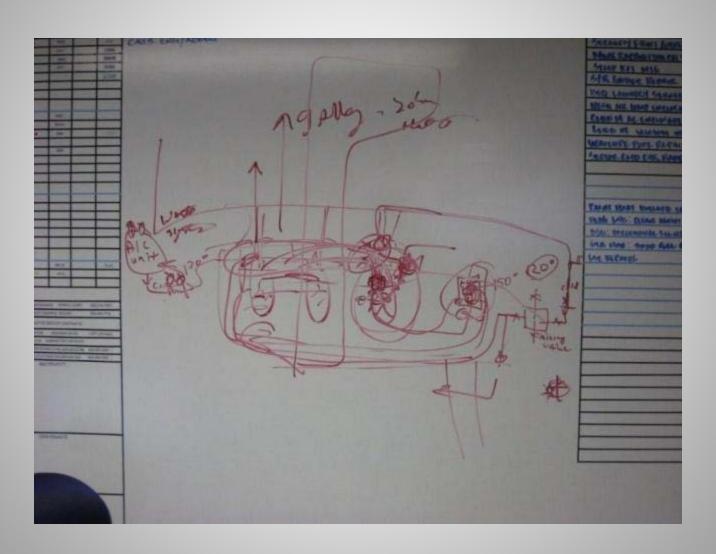
Base Honolulu

Conservation Voltage Reg & Cutter Retrofits





Chiller Waste Heat Recovery





AIR STATION BARBERS POINT VERTICAL AXIS TURBINE

Energy Savings Performance Contracts

14 Contracts Awarded\$100 Million Invested14% Energy Savings

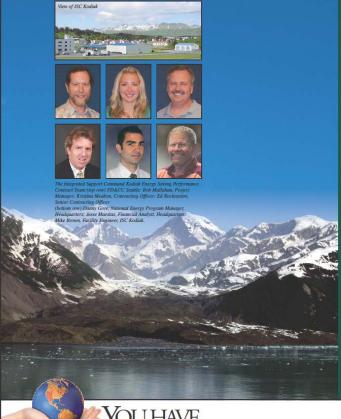




Kodiak ESPC



Leadership



The U.S. Coast Guard's Integrated Support Command Kodiak, Alaska entered into an energy savings performance contract (ESPC) with NORESCO to install \$20 million in energy efficiency projects. Contracting and administrative support was provided by the Facilities Design and Construction Center Seattle and the Coast Guard's National Energy Program. Facility improvements include lighting retrofits; a centralized steam system and piping system upgrades; variable frequency drives; combustion controls; boiler economizers; various refrigeration and HVAC upgrades; and highly efficient washers, dryers, and water fixtures. These and other measures will result in annual energy and water savings of 81 billion Btu and 49 million gallons.

Integrated Support Command Kodiak, AK

¥YOU HAVE the POWER™





U. S. Department of Homeland Security Federal Energy Management Program

> For more information on how you can get involved in the YOU HAVE the POWER campaign, visit the FEMP Web site at www.eere.energy.gov/femp.



Energy Savings Performance Contracts

Construction Phase

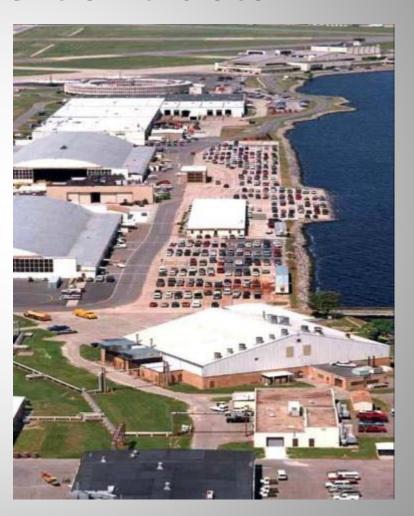
- -Sector New York
- USCG Academy



Energy Savings Performance Contracts

In Development

- Cape May
- Puerto Rico
- PortsmouthYorktownElizabeth City
- -UESC's



JUNEAU WIND FOR SCHOOLS





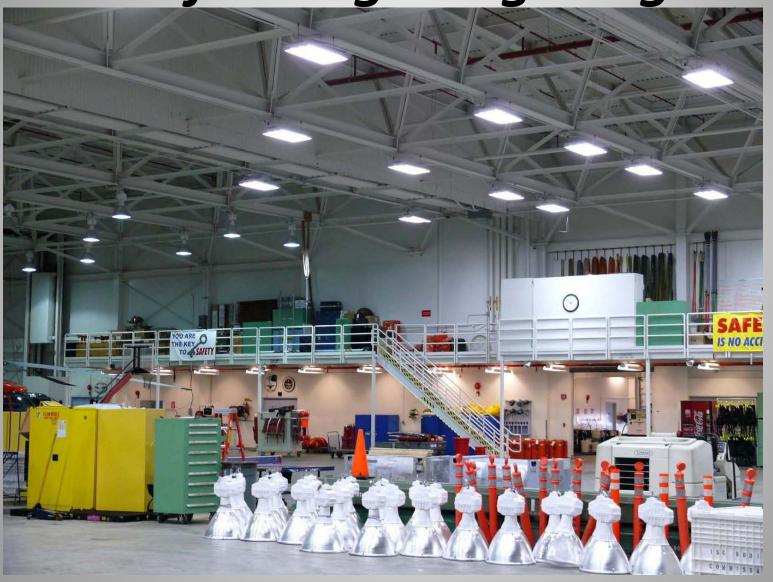
Alaska





The Saudi Arabia of Biomass

Aircraft Hangar Lighting



Training Center Petaluma Model Unit



Petaluma PV PPA



1 MW Total Solar Power





Sector San Francisco Renewable Energy

High Performance Buildings Seattle Operations Bldg LEED Silver



High Performance Buildings

25% More Efficient than code



LEED Silver Housing



LEED Gold Housing



LEED Gold Housing



High Performance Buildings Station Marquette – LEED Certified



High Performance Buildings

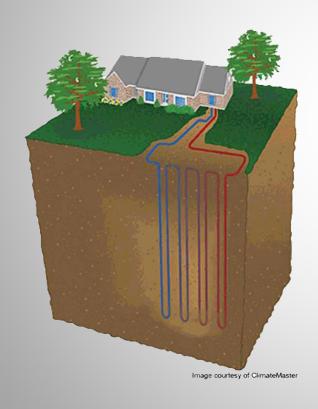
Station Marquette LEED Certified

40% Water Savings



High Performance Buildings

Ground Source Heat Pumps





CUTTER LIGHTING RETROFITS





Aton Initiatives



Lighthouse Solarization



LED Aids to Navigation





Reliability through Renewables





Readiness through Renewables





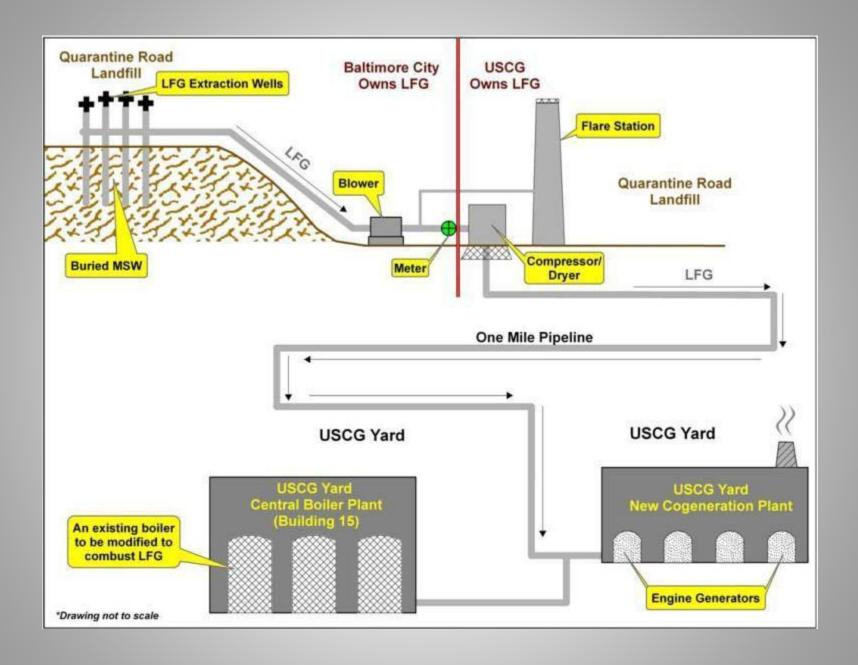
Rescue 21 Wind Power



Shipyard Renewable Energy

- Landfill Gas Co-Generation Plant (4 Megawatts)
- 100% Renewable Energy Project
- Operational April 2009





SOUTHWEST HARBOR HOUSING



Earth Day 2010



SOUTHWEST HARBOR HOUSING



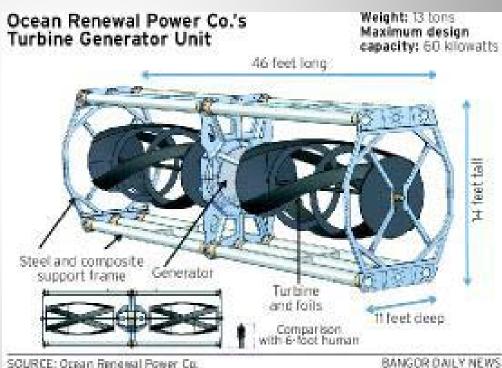


Tidal Energy



The Kitty Hawk of Tidal Energy





BASE PORTSMOUTH











USCGA SUSTAINABILTY





GUARDIAN - YOU SAVE LIVES, NOW SAVE A PLANET.







UNITED STATES COAST GUARD ENERGY MANAGEMENT PROGRAM