



EMERALD KEEPERS

For an Emerald Green, Ocean Blue Coronado

ON THE CLIMATE OFFENSE

Celebrating the Navy's 246th birthday and its local environmental efforts



Happy birthday to the U.S. Navy, Coronado's much beloved local partner for more than one hundred years! On this special occasion, Emerald Keepers is highlighting the Navy's recognition of climate change as a key security concern for the 21st century and the significant climate action measures already implemented at Naval Base Coronado.

The Climate Change Threat to National Security

Undeniably, national defense is a carbon-intensive business. The Navy's relationship with San Diego began in 1904, when the city convinced Navy leaders to build a coal depot in San Diego Bay. Since then, with our evolving understanding of climate science, the Department of Defense (DoD) and the Navy have charted a new course, achieving a 23 percent reduction in carbon emissions from 2008 to 2019. This about-face comes as the military is increasingly confronted with global instability driven by:

- Drought and desertification
- Excessive flooding
- Human displacement and stress migration
- Strategic geographic transformation at the North Pole
- Costly climate-related impacts to military installations, degrading mission readiness.

Climate Action at Naval Base Coronado (NBC)

Keeping cadence with broader DoD efforts and aligning with Navy and state directives, NBC has taken significant action to mitigate carbon emissions, to include:

- Decentralization of infrastructure, resulting in a 48% reduction in total energy footprint, \$10.7 million in annual savings, and 90 million gallons of water saved annually.



The Silver Strand Training Facility is LEED Silver certified by the U.S. Green Building Council.



A sailor participates in the February 2021 base beach clean-up on San Diego Bay, conducted by Emerald Keepers and Naval Base Coronado.

- Building modernization and adding photovoltaic capabilities, with ~\$4.6 million saved per year.
- Incorporation of renewable energy, with 4.1MW current capacity and an expected increase to ~5.5MW with the installation of three new windmills on San Clemente Island.
- Conversion to a blended vehi-

cle fleet of hybrids and electric vehicles (EVs).

- Installation of 9 EV chargers.
- The "low impact" development of the Silver Strand Training Complex: all buildings are LEED Silver certified with daylighting LED fixtures and photovoltaic roofing.

Local Partnerships in Climate Action

NBC has collaborated extensively with key area partners to maximize climate action effectiveness, providing an outstanding example of regional cooperation. The base has worked with the USD School of Business to study sustainable construction, energy, and environmental conservation, and it continues to partner with Scripps Institute of Oceanography on sea level rise.

Awarded the Secretary of the Navy's Gold Award for Energy and Water Reduction as well as the Secretary of the Navy's Large Installation Natural Resources Conservation Award, Naval Base Coronado is an environmentally engaged neighbor, and we look forward to partnership with the base in future efforts to combat climate change.

For more information visit EMERALDKEEPERS.ORG