



Navy Shore Geospatial Energy Module (NSGEM)

Objective

Commander, Navy Installations Command (CNIC) created the NSGEM in response to Navy Shore Energy Goals to assist stakeholders in identifying, developing, optimizing, and tracking energy efficiency and renewable energy opportunities and investments to meet Navy Shore Energy Goals.

The tool suite is comprised of:

- Goals
- Navy Shore Geospatial Energy Module (NSGEM)
- Energy Return on Investment (eROI)
- Shore Energy Implementation Portfolio (SEIP)

Capabilities

- Color codes facilities based on their energy use benchmarks
- Analyzes data completeness within authoritative sources and encourages users to update information
- Produces energy consumption reports for various levels: Navy, Installation, Region, Facility, and Tenant

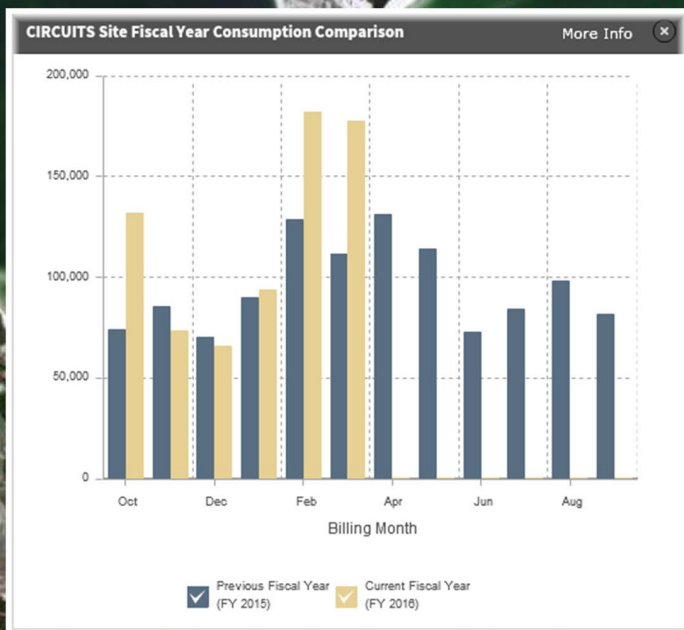
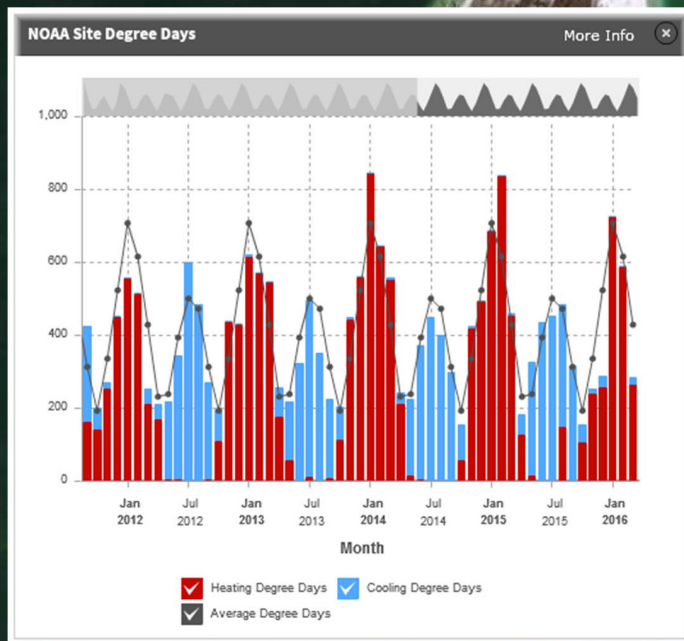
Summary

These tools work together to provide users with the most up to date energy management data. NSGEM visualizes facility level performance metrics identified in goals, helping users to determine which facilities, building types, and/or tenants they should focus their project development efforts on. eROI helps users to create, vet, and then track projects throughout their lifecycle. Progress towards achieving Navy Shore Energy goals is then forecasted in the SEIP based on projects developed in the eROI tool.

CNIC Navy Shore Energy Accomplishments

- Developed the Navy Shore Energy Tool Suite - actively used by approximately 1,000 individuals across the globe
- Since 2010, programmed projects are on target to save the Navy approximately \$200 million in annual utility costs by FY20





About GISinc

GISinc, with more than 27 years in GIS, is an employee-owned company located in Birmingham, Alabama, with offices throughout the United States. GISinc has a passion for delivering customer driven location technology solutions to federal, state and local, and commercial organizations. For more information, please visit www.gisinc.com or call (205) 941-0442.