

Smart Power Partnership Initiative (SPPI): An Innovative Approach to Increasing Navy Energy Security

NDIA E2S2
May 23, 2012

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Navy Energy Program Overview



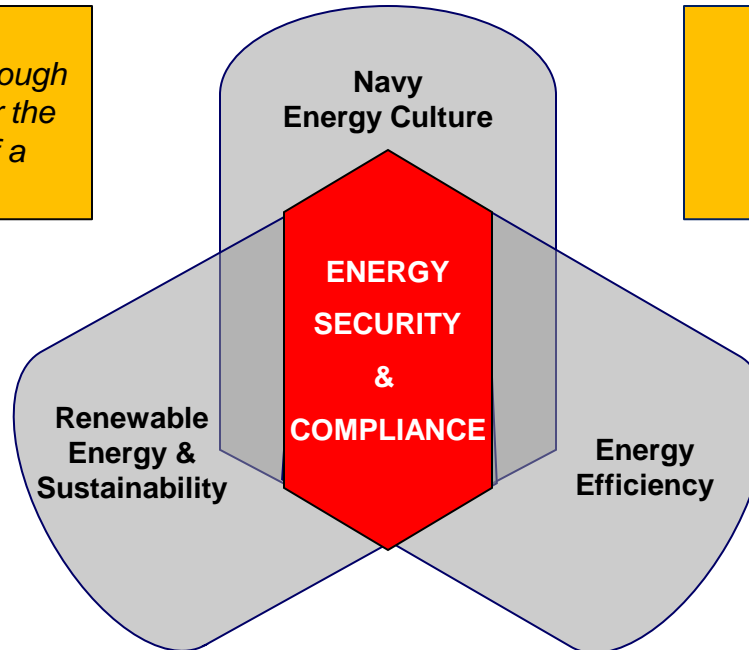
Achieving Energy Security and Compliance Through:

1 Gigawatt Initiative

Producing or purchasing enough renewable energy to power the equivalent of a quarter of a million homes

Smart Energy Initiative

Real time energy information visibility and analysis to change behavior and reduce costs



Smart Power Partnership Initiative

Optimizing electricity loads through clustering of installations into regional smart grids

*"Changing the way we get and use energy is a priority for the Department because energy security is critical to our national security."
- Secretary of Navy, Ray Mabus, January 2012*

Smart Power Partnership Initiative Summary



- Create Regional Smart Grids, groupings of Navy and Marine Corps installations capable of sharing and optimizing sources of power
- Establish partnerships with industry and regulators to promote cost effective, reliable, sustainable power
- Leverage existing capabilities, while evaluating other requirements

Goals of San Diego-Area Pilot :

- ✓ Enhance energy security
- ✓ Reduce costs
- ✓ Integrate renewable portfolio
- ✓ Develop the concept for export to other regions



- **SPPI addresses energy security, including resiliency, by:**
 - Prioritizing critical loads
 - Developing outage response plans
 - Establishing micro-grids to provide reliable power during grid emergencies
- **Result is greater flexibility to respond to energy challenges both inside and outside the fenceline**

SPPI has a primary focus on energy security

QUESTIONS???

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