

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

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**Andrew Knox, NAVFAC HQ  
Smart Power Partnership Initiative –  
Program Manager**

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# Navy Energy Program Overview



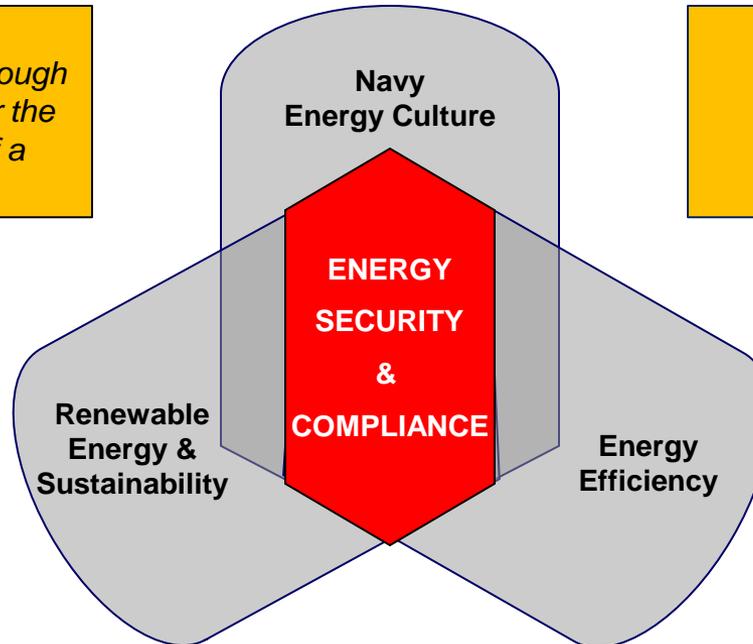
## Achieving Energy Security and Compliance Through:

### 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???

**For more information, contact**

**Andrew Knox at:**

[Andrew.Knox1@navy.mil](mailto:Andrew.Knox1@navy.mil)