



Department of the Navy Shore Energy Security Framework

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DON Energy Focus



- **Deliver energy solutions that:**
 - Improve readiness
 - Enhance warfighting capabilities
 - Have a strong business case
- **Comprehensive and integrated Energy Security Framework**
 - Benchmark installation energy security performance
 - Assess installation performance against benchmarks
 - Prioritize energy security improvements based on gap analysis



DON Energy Security Framework



Installation Energy Security

Reliability

The percentage of time energy delivery systems (utilities) can serve customers at acceptable regulatory standards.

Resiliency

The ability of a system to anticipate, resist, absorb, respond, adapt, and recover from a disturbance.

Efficiency

The use of the minimum energy required to achieve the desired level of service.



Benchmarks of Energy Security



- **Reliability**
 - SAIDI - 60 min Shipyards, 120 min all others
 - SAIFI - 1 for shipyards, 2 for all others
- **Resiliency**
 - UFC/BFR based back up requirements
 - 1-7 day duration capability
 - Multiple paths to deliver
- **Efficiency**
 - Sufficient Metering
 - Sufficient Control
 - SECNAV Energy Award program status
 - EUI progress from baseline



Assess Installations Against Benchmarks

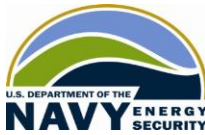
- **Annual assessment of each installation to determine gaps / deficiencies**
 - Reliability
 - Resiliency
 - Efficiency
- **Assessment Tools / Programs**
 - OPNAV Mission Assurance Utility Assessments
 - NAVFAC UICAP / ICAP
 - USMC Energy Security Assessments
 - Navy Shore Energy Tool Suite
 - Installation Energy Plans
 - Energy Security Assessment Tool (ESAT)
 - *Based on MIT Lincoln Labs methodology*



Prioritize Requirements and Investments



- **Prioritization process will combine service chiefs' strategic focus with requirements validation and input from installations and regions**
 - Energy Security Assessment is the primary input
 - Project solutions will be developed considering the full range of financing options available
 - CNIC and MCICOM will consider mission criticality and severity of deficiencies at each installation to determine priority of investments annually



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