**Department of the Navy**

**Mission Critical, Mission Possible**

**Assistant Secretary of the Navy**

**Energy, Installations & Environment**

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**Synopsis**

- **Past is Prologue**
  - CULTURE CHANGE
  - "Good ideas are not adopted automatically. They must be driven into practice with courageous impatience." 5 Nov 1981, Admiral Hyman Rickover, Naval Reactors

- **Navy’s Challenge - Distance**
  - Navy's Behavior Initiatives
  - Share your idea at: energywarrior@navy.mil

- **Energy’s Advantage**
  - Energy can provide:
    - Combat advantage
    - Strategic advantage
    - Force Protection advantage

- **Leadership’s Role**

- **Navy’s Behavior Initiatives**
  - Expeditionary Energy Program
  - United States Marine Corps Expeditionary Energy Program

- **Our Challenge - 2050**
  - 9 Billion People
  - 55% More Water
  - 60% More Energy
  - 80% More Food

- **United States Marine Corps Expeditionary Energy Program**
  - Power Systems - Hybrid power - 95% reduction
  - Smart microgrid - 50% reduction

- **Challenge**
  - By 2025, Marines will maneuver from the sea and sustain C4I/life support in place; the only liquid fuel needed will be for mobility systems

- **Exploitation Energy - Today and for the Future**
  - Industry and Academia
    - Research partnerships to develop energy solutions

- **Expeditionary Energy**
  - Today and for the Future
  - Power systems - Hybrid power - 95% reduction
  - Smart microgrid - 50% reduction

- **How Industry and Academia**
  - Research partnerships to develop energy solutions

- **Assistance Secretary of the Navy**

- **Energy, Installations & Environment**

- **Mission Critical, Mission Possible**
Shaping the Force – Current & Future Force Capabilities

Solutions Development
E2O Energy Behavior Framing

Getting after Behavior @ Integrated Training Exercises

Getting after Behavior – Empowering Marines with Energy Information

Getting Marines to Care – It’s Not About Energy

Our Footprint

Behavior Approach

Engagement

Messaging in Practice