



# **Army Energy Initiatives Task Force**

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# Perfect Storm





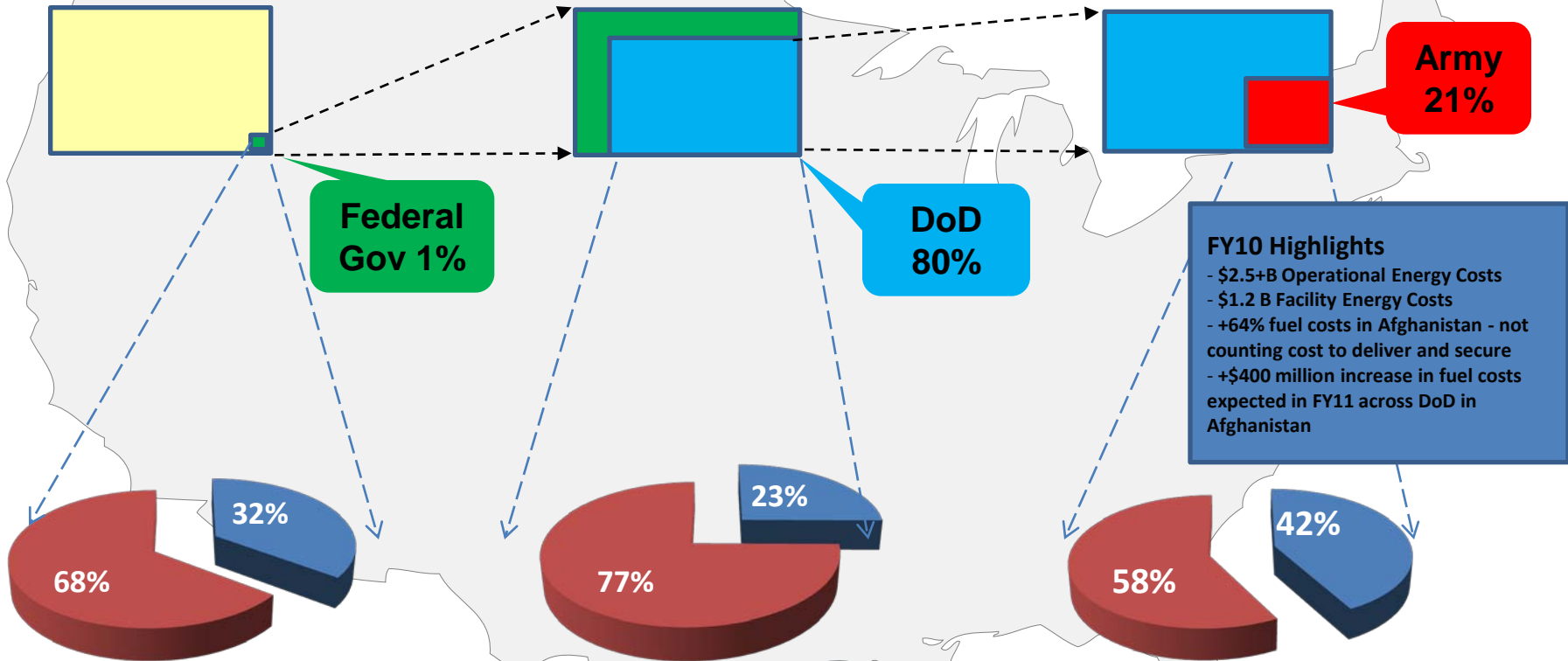
# U.S. Army Energy Consumption, 2010



## United States

## Federal Government

## Department of Defense



■ Facilities  
■ Vehicles & Equipment (Tactical and Non-tactical)

**U.S. = 98,079 Trillion Btu**      **DoD = 889 Trillion Btu**  
**Fed Gov = 1,108 Trillion Btu**      **U.S. Army = 189 Trillion Btu**

Sources: Energy Information Agency, 2010 Annual Energy Review; Agency Annual Energy Management Data Reports submitted to DOE's Federal Energy Management Program (Preliminary FY 2010)



U.S. ARMY



# Army Power and Energy

Basing

Soldier

Vehicles

Installation

Contingency

Tactical

Non Tactical

Air

Land



OPERATIONAL ENERGY

NET ZERO STRATEGY

“Grand Challenges”

- Give soldiers and leaders capability to manage energy status, resources, performance
- Significantly reduce energy footprint
- Provide flexibility and resiliency by developing alternatives and adaptable capabilities

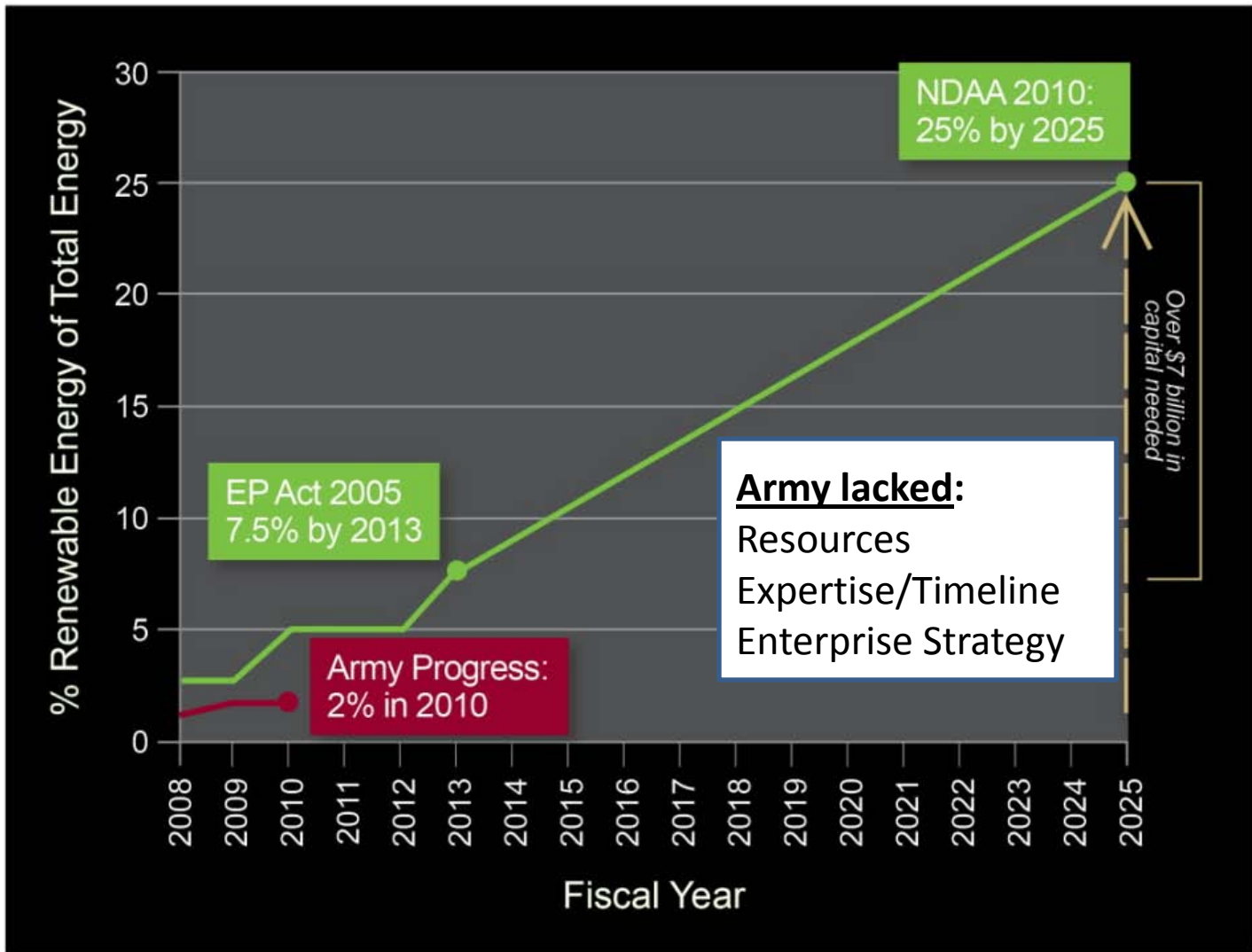
Power and Energy Strategy White Paper, Army Capabilities Integration Center/Research, Development and Engineering Command /Deputy Chief of Staff, G-4, US Army, 1 April 2010

# Army Renewable Energy NOT New





# Where the Army Needs to Go





# Energy Initiatives Task Force



Energy Initiative Task Force (EITF) announced by Army Secretary on August 10, 2011.

EITF is a collaboration with the private sector to invest in cost-effective large-scale renewable energy projects on Army installations.

## Goals:

- Power Army communities with renewable energy to secure the nation.
- Increase Army's energy security.
- Meet Goal of 25% renewable energy by 2025 with additional 2.1 million MWh annually.



**We've got the LAND and the DEMAND**



# EITF Mission & Vision



## **Mission**

Strengthen Army energy security and sustainability by developing a comprehensive capability, and planning and executing a cost-effective portfolio of large-scale renewable energy projects by leveraging private sector financing.

## **Vision**

Powering Army communities with renewable energy to secure the nation.





# EITF Portfolio Process



Executive Management → Mission Statement → Vision → Executive Plan → Strategic Objectives

Portfolio & Program



Project



Installation Financing Plan





# Army's Enabling Authorities



Authorities that the EITF will leverage existing authorities to meet sustainability and renewable energy goals:

- UESC (10 USC 2913)
- Enhanced-use leasing (10 USC 2667)
- Easement authority (40 USC 1314)
- Utility purchase authority (FAR Part 41)
- Power purchase agreements (10 USC 2922a)
- Energy Savings Performance Contracts (10 USC 2865)
- Cooperative agreements (31 USC 6305)
- Sale of Electrical Energy from Alternative Energy and Co-Generation Facilities (10 USC 2916)



# FUPWG & EITF Common Goals



- ✓ Enhance existing and fostering new partnerships between Army installations and local utilities to develop/implement renewable energy projects at Army sites.
- ✓ Identify how utilities can help Army installations to meet federal mandates for sustainability and energy security.
- ✓ Prepare Army for changes in the electric utility industry to support cost effectiveness, enhance budget certainty and mitigate risk.
- ✓ **Bottom line**: The EITF views the utility industry as a key stakeholder in planning and implementing sustainable, and renewable energy strategies in support of Army communities.



# Private Investors Have a Choice



Learn More at [www.armyeio.com](http://www.armyeio.com)

The image features four soldiers in silhouette, standing in a line against a bright, cloudy sky at sunset or sunrise. Each soldier is holding a rifle. The scene is backlit, creating a strong contrast between the dark figures and the glowing sky. A semi-transparent dark rectangle is overlaid on the center of the image, containing the text "ARMY STRONG" in white, bold, sans-serif capital letters.

**ARMY STRONG**