US Army
Energy Initiatives Task Force

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**US Army Energy Initiatives Task Force**

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Perfect Storm
Army Energy in Perspective – 2010

United States

Federal Government

Department of Defense

Federal Gov 1%

DoD 80%

Army 23%

FY10 Highlights
- $2.5+B Operational Energy Costs
- $1.2 B Facility Energy Costs
- +64% fuel costs in Afghanistan - not counting cost to deliver and secure
- +$400 million increase in fuel costs expected in FY11 across DoD in Afghanistan

65% Facilities
35% Vehicles & Equipment (Tactical & Non-tactical)

U.S. = 98,079 Trillion Btu
DoD = 819 Trillion Btu
Fed Gov = 1,096 Trillion Btu (FY09)
U.S. Army = 189 Trillion Btu

Army Power & Energy

**Basing**
- Installation
- Contingency

**Soldier**

**Vehicles**
- Tactical
- Non Tactical
  - Air
  - Land

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**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

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*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

**Major Issues**
- Declining Budgets
- Specialized Expertise
- Enterprise Strategy

**Graph Information**
- Fiscal Year
- Percentage of Renewable Energy of Total Energy
- NDAA 2010: 25% by 2025
- EP Act 2005: 7.5% by 2013
- Army Progress: 2% in 2010

Clean Energy – Session 3
Large Scale Clean Energy Implementation
October 31, 2011
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:
• Powering Army communities with renewable energy to secure the nation.
• Increase Army’s energy security.
• Meet goal of 25 percent renewable energy by 2025 by producing an additional 2.1 million MWh annually.
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 installations with renewable energy to secure the nation.
Army's Enabling Authorities

- 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)
Private Investors Have a Choice

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We’ve got the LAND and the DEMAND!

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