




**DoD Renewable Generation and Energy Efficiency: Facilities, Siting and Infrastructure**

March 30-31, 2011



ASSOCIATION OF CLIMATE CHANGE OFFICERS

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## Requirements On DOD

EPAct of 2005 established the following renewable mandates for electric energy for DOD and other federal departments



3%	years 2007-2009
5%	years 2010-2012
7.5%	years 2013 and beyond

Executive Order 13423:

- reduce energy intensity 3% annually (30% by 2015)
- 50% of renewable energy to come from post 1/1/1999 sources



NDAA'10 requires 25% renewable by 2025

In 2009, DOD electric energy from renewables was 3.6%





## DoD Responses

- Army has established a five year \$8.7B goal for private sector renewables funding; Net Zero Base pilot programs
- Air Force seeks 1000 MW of renewables
- Navy seeks 50% renewable energy ashore/50% net-zero installations by 2020



## DOD Looks To Private Sector

- Military Family Housing has been successfully privatized
- Utilities distribution on base have been successfully privatized



## Benefits to DOD of Private Sector On-Base Projects

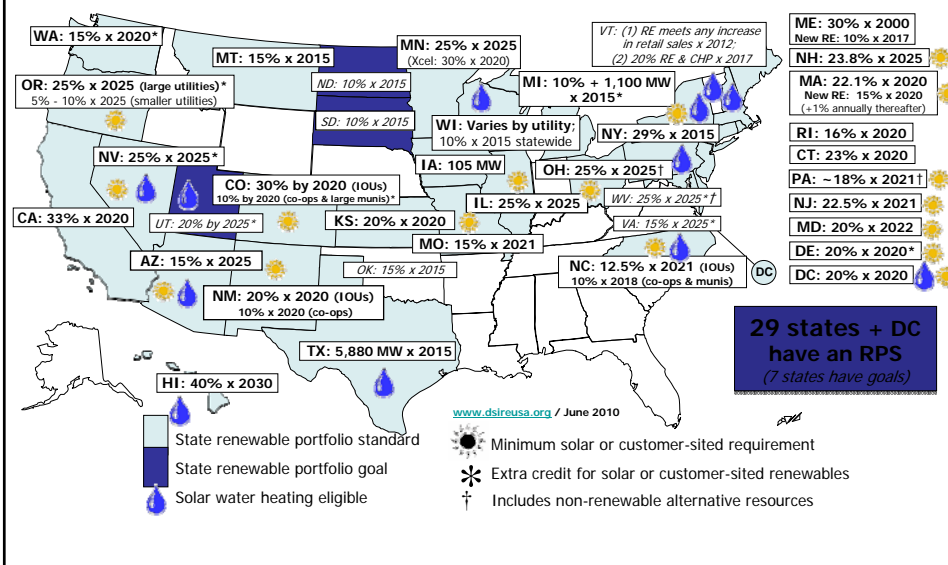
- On-base generation counts double toward Federal renewable standard
- Furthers energy security
- Leverages private sector funding
- Lower cost than self-generation because of private sector tax and/or ARRA benefits



## What Does Private Sector Need?

- Renewable Portfolio Standards
- Continuation of Tax Benefits
- Long Term Power Purchase Agreements

## Renewable Portfolio Standards





## Next Up

- Allan Hoffman – DoD's Environmental Security Technology Certification Program
- Jason Hartke – Green Buildings and DoD
- David Belote – Siting and Military Capabilities