

New Energy for America

BLM Wind Energy Overview

Renewable Natural Resources Foundation

December 8, 2009



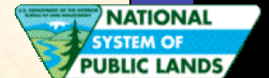
Renewable Energy Priority

President – New Energy for America Plan

- Ensure 10 percent of electricity from renewable energy by 2012 and 25 percent by 2025

Secretary Order 3285 – March 2009

- Establish Department Task Force
- Development of renewable energy is Department priority
- Increase development and transmission of renewable energy
 - Renewable Energy Zones
 - Transmission corridors
 - Prioritize permitting
 - Best Management Practices
- Renewable Energy Coordination Offices



Renewable Energy Incentives

Production/Investment Tax Credits

- Wind – extended to 2013
- Solar – extended to 2017

DOE Loan Guarantee Program (\$ 6 billion)

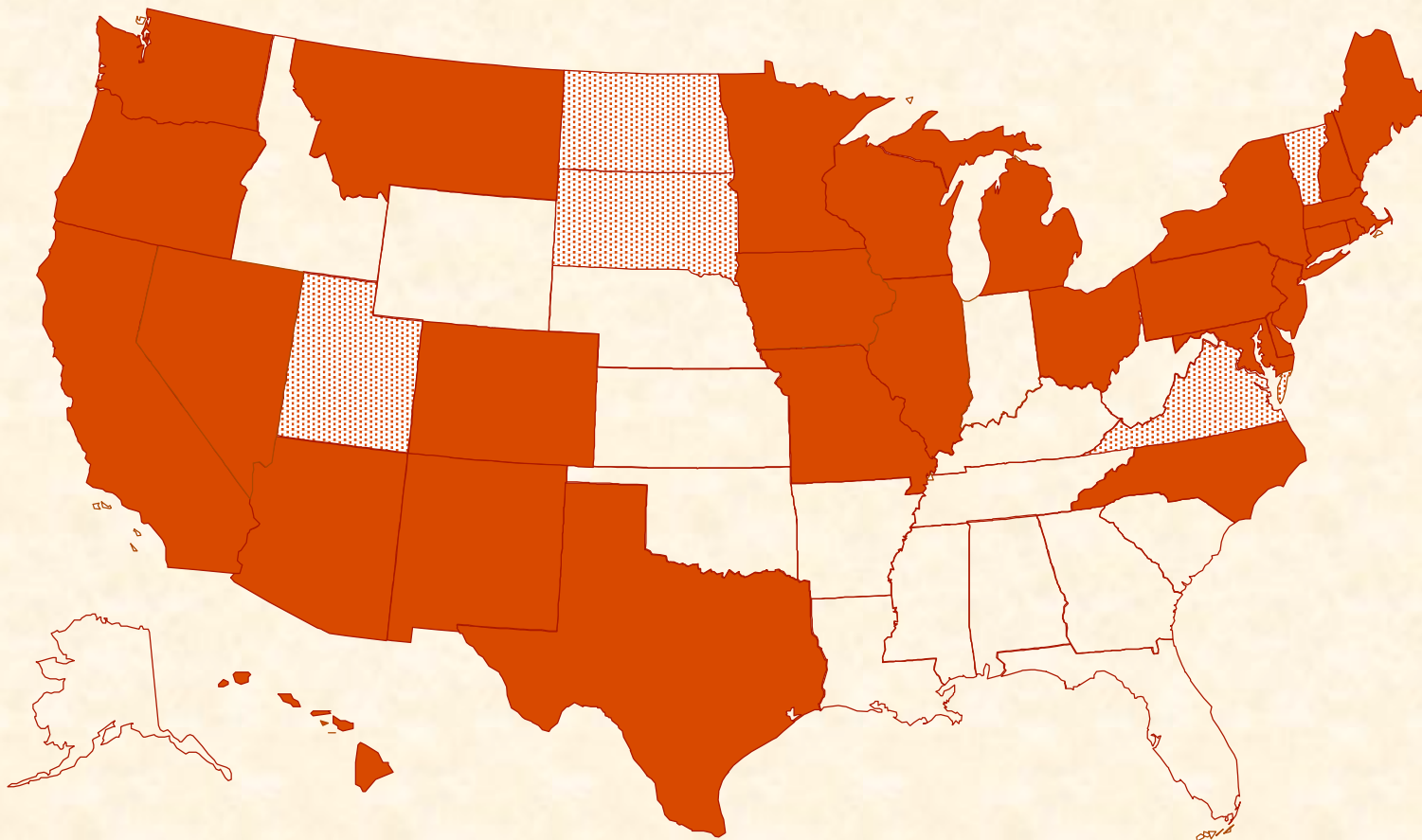
Treasury Grant Program (30%)

- Construction by December 2010

Renewable Portfolio Standards

- 8 of 11 western States

State Renewable Portfolio Standards



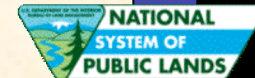
State renewable portfolio standard



State renewable portfolio goal

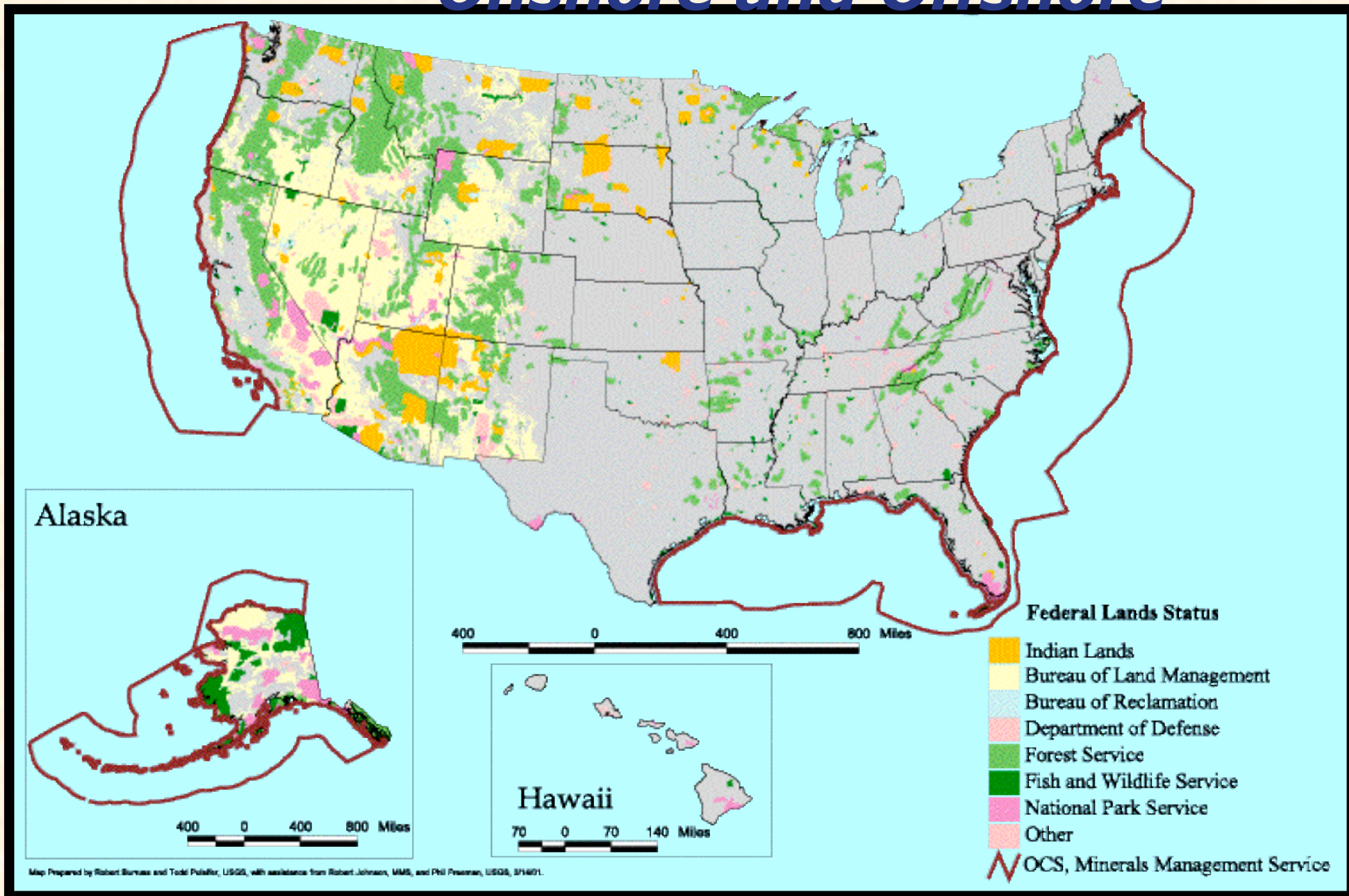
28 States & DC
have an RPS

5 states have goals

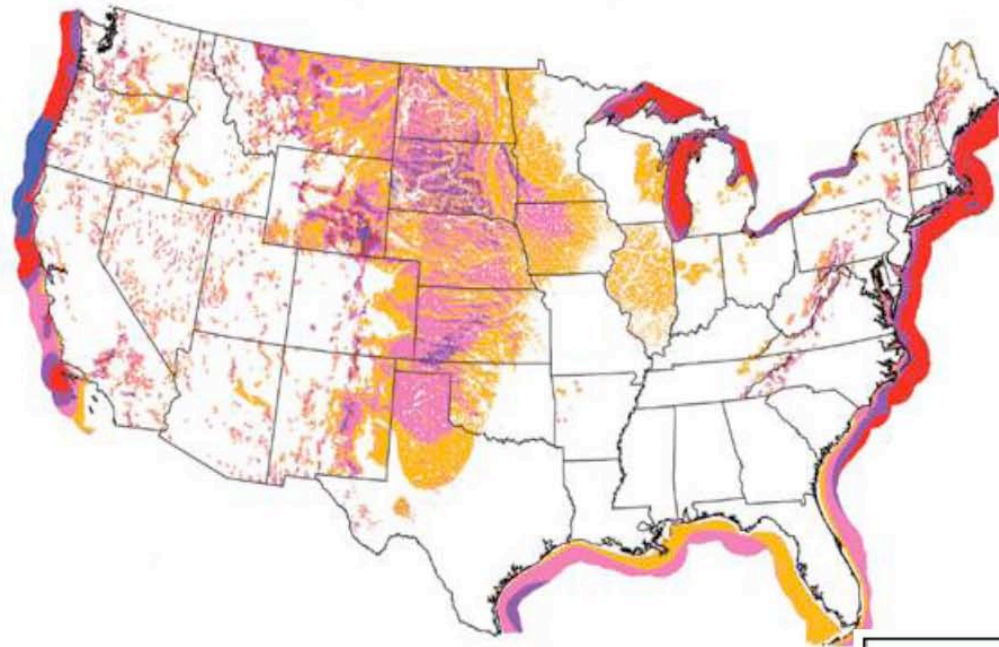




DOI Agencies Manage More than 2.3 Billion Acres of U.S. Lands – Onshore and Offshore



Renewable Potential - Wind



| Wind Power Classification | | | | |
|---------------------------|--------------------|---|-------------------------------------|-------------------------------------|
| Wind Power Class | Resource Potential | Wind Power Density at 50 m W/m ² | Wind Speed ^a at 50 m m/s | Wind Speed ^a at 50 m mph |
| 2 | Marginal | 200 - 300 | 5.6 - 6.4 | 12.5 - 14.3 |
| 3 | Fair | 300 - 400 | 6.4 - 7.0 | 14.3 - 15.7 |
| 4 | Good | 400 - 500 | 7.0 - 7.5 | 15.7 - 16.8 |
| 5 | Excellent | 500 - 600 | 7.5 - 8.0 | 16.8 - 17.9 |
| 6 | Outstanding | 600 - 800 | 8.0 - 8.8 | 17.9 - 19.7 |
| 7 | Superb | 800 - 1600 | 8.8 - 11.1 | 19.7 - 24.8 |

^a Wind speeds are based on a Weibull k value of 2.0

Wind Energy on the Public Lands



20.6 Million Acres
Potential - 206,000 MWs

WIND ENERGY – Where We Are



Status

- Programmatic EIS – June 2005
- 178 site testing authorizations
- 28 development authorizations (437 MWs installed capacity – CA, WY, AZ, UT)
- 30 pending development applications (5,000 MWs)
 - 9 Fast Track projects (1,000 MWs)
- 200 site testing applications

Challenges

- NEPA
- Birds (MBTA), Bats and Sage Grouse
- Visual resources

BLM's Path Forward

Authorization Process

- Land Use Planning (Wind Programmatic EIS)
- Right-of-Way Application
- Cost Recovery Agreement
- Plan of Development
- Environmental Review (Site-Specific NEPA)
- Issue Right-of-Way Authorization
- Rental Fee
- Bonding
- Notice to Proceed (construction)
- Due Diligence Requirements of Authorization

BLM's Path Forward

- Establish Renewable Energy Coordination Offices – 66 positions
 - National Office 6 positions
 - Arizona 11 positions
 - California 23 positions
 - Nevada 17 positions
 - Wyoming 9 positions
- Renewable Energy Support Teams – 40 positions
 - Colorado 11 positions
 - Idaho 6 positions
 - Montana 5 positions
 - New Mexico 3 positions
 - OR/WA 4 positions
 - Utah 11 positions
- FY 09 Reprogramming - \$11 million (\$3.6 million labor, \$3.5 million PCS, \$2 million tech support, \$1.9 million other)
- FY 10 Budget - \$16.1 million (\$11.1 million labor, \$5 million other)

BLM's Path Forward

FAST TRACK PROJECTS

- **Wind Projects**
 - **California** **4 projects**
 - **Nevada** **2 projects**
 - **Oregon** **1 project**
 - **Utah** **1 project**
 - **Wyoming** **1 project**



BLM's Path Forward

American Recovery and Reinvestment Act (ARRA)

BLM Renewable Energy Studies and Support

- NEPA \$13 million (Solar EIS – Solar Energy Study Areas)
- Studies \$28 million
 - Land Reuse \$1.7 million (AZ)
 - Wildlife/Ecological Assessments \$3.25 million
 - Cultural/Paleo Studies \$0.745 million
 - Visual Resources \$2.39 million
 - Technical Support \$0.615 million
 - Case Records (LR2000) \$8.6 million
 - Land Status (GIS/GCDB) \$10.7 million
- TOTAL \$41 million

