



# **“Smart from the Start”: Bringing Atlantic Offshore Wind to Market**

**Ned Farquhar  
Deputy Assistant Secretary  
Land and Minerals Management  
U.S. Department of the Interior**

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# Atlantic Offshore Wind Development



“If we are wise with our planning, we can help build a robust and environmentally responsible offshore renewable energy program that creates jobs here at home.” - Secretary Salazar 11/23/10

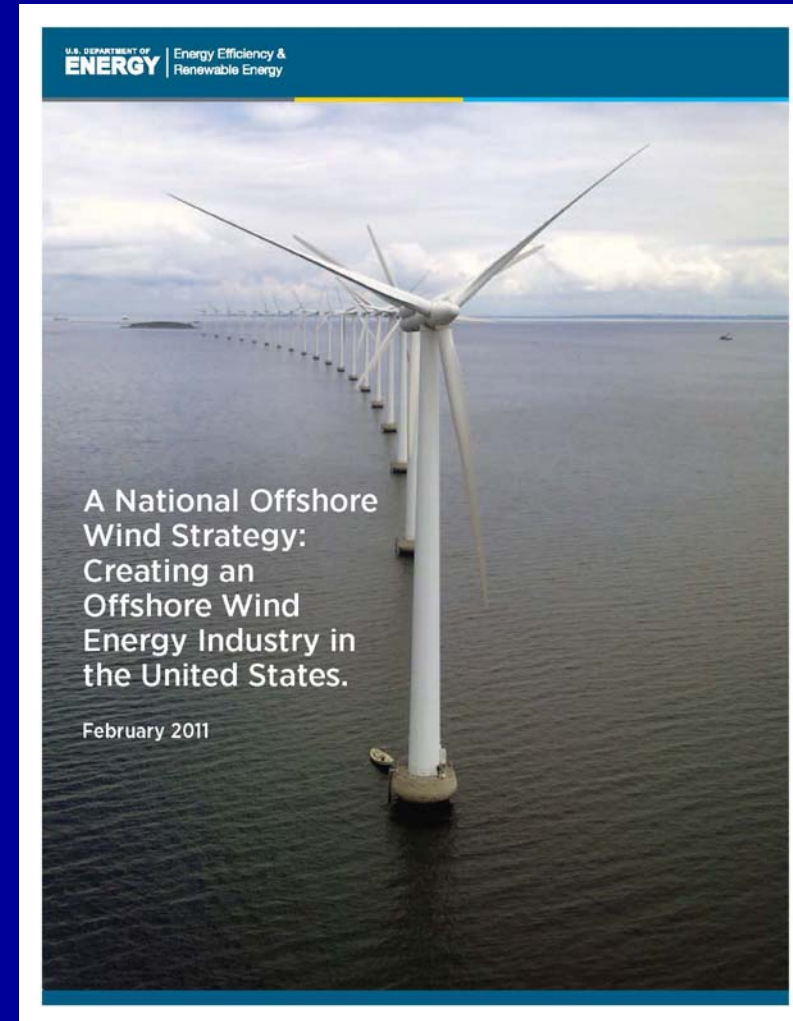
## “Smart from the Start”:

- Spurring offshore wind development
- Establishing Wind Energy Areas (WEAs)
- Accelerating a focused leasing process



# DOI/DOE Strategic Plan

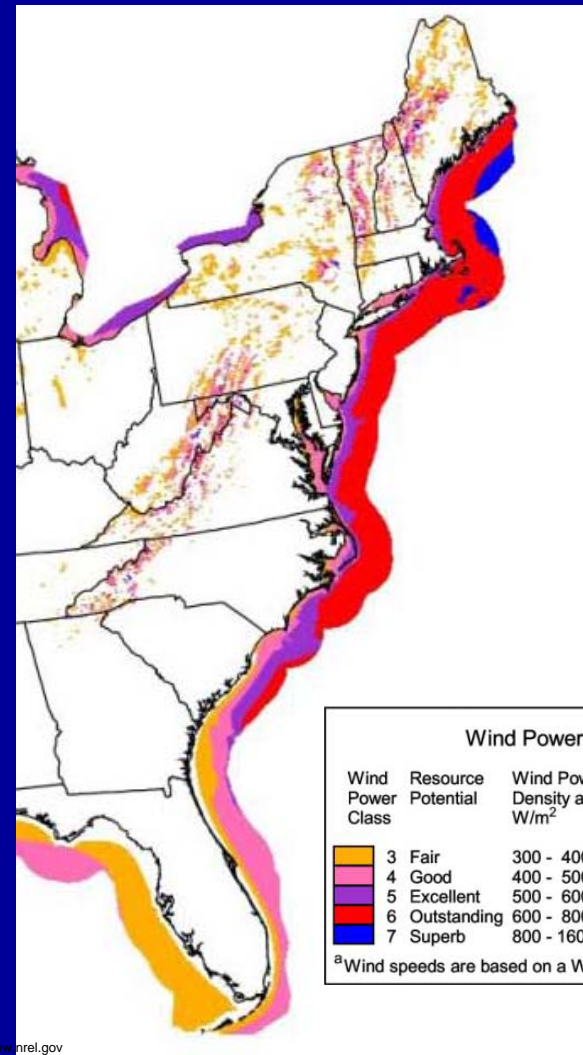
- **Forward-thinking, efficient planning and goals**
  - 2020: 10 GW from offshore wind
  - 2030: 54 GW from offshore wind
- **Synchronized research and development of offshore wind, while reducing costs**
  - \$50.5 million over 5 years
- **Interagency coordination**
  - Reduce timeline for deploying offshore wind





# Atlantic Wind Resources

- **A world-class resource**
  - 1247.2 GW
- **Consolidated jurisdiction**
- **Renewable Portfolio Standards**
- **States' clean energy initiatives**
  - Regional Greenhouse Gas Initiative (RGGI)



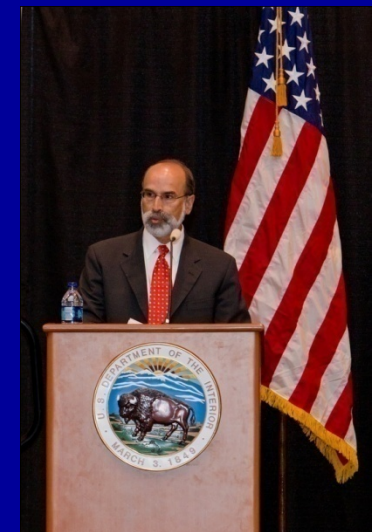
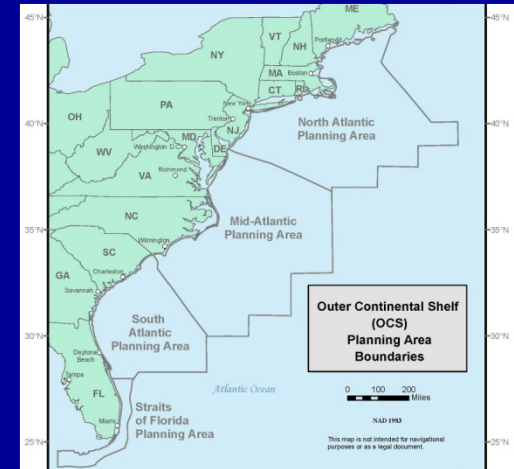
Wind Power Classification				
Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m <sup>2</sup>	Wind Speed <sup>a</sup> at 50 m m/s	Wind Speed <sup>a</sup> at 50 m mph
3	Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
4	Good	400 - 500	7.0 - 7.5	15.7 - 16.8
5	Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9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

<sup>a</sup>Wind speeds are based on a Weibull k value of 2.0



# Bureau of Ocean Energy Management, Regulation and Enforcement

- **BOEMRE**
  - Management of the OCS
  - Authority under OCSLA and Energy Policy Act of 2005
- **Director Michael Bromwich**
  - New offshore oil standards, supporting renewables
- **Oil and Gas and Renewable Energy**
  - Leasing and development
- **Consultation with other federal agencies:**
  - Defense Department, U.S. Coast Guard,  
Fish and Wildlife Service, National Oceanic and Atmospheric  
Administration, others





# Progress on Atlantic Wind

- **DOI/FERC Memorandum of Understanding**
  - Provides streamlined, cohesive process for renewable energy
- **Final Renewable Energy Framework**
  - Rulemaking process for renewable energy management
- **Cape Wind Project**
  - Offshore Massachusetts, lease signed October 2010
- **Atlantic Offshore Wind Energy Consortium (AOWEC)**
  - Governors of Atlantic states
- **Interagency Working Group**



# “Smart from the Start”

- **Identify lowest conflict, highest potential areas**
  - Wind Energy Areas
- **Work with state-level task forces**
  - Federal/state interagency cooperation
- **Reduce and combine processes**
  - EA for site assessment plan (SAP) and leasing
- **Create more certainty for the public and industry**





# Program: Implementation

- **Data Gathering and Cadastre**
- **Requests for Interest (RFIs), Calls**
  - Unsolicited proposals
- **Environmental Review**
  - Environmental analysis of site assessment and characterization, survey activities
- **Leasing**
  - Competitive or non-competitive
- **Post-Leasing**
  - Construction and Operation Plan (COP)
  - Environmental Impact Statement (EIS)
  - Other agencies' permitting and reviews







# Maryland Offshore Wind Status

- Request for Interest (RFI) published November 2010

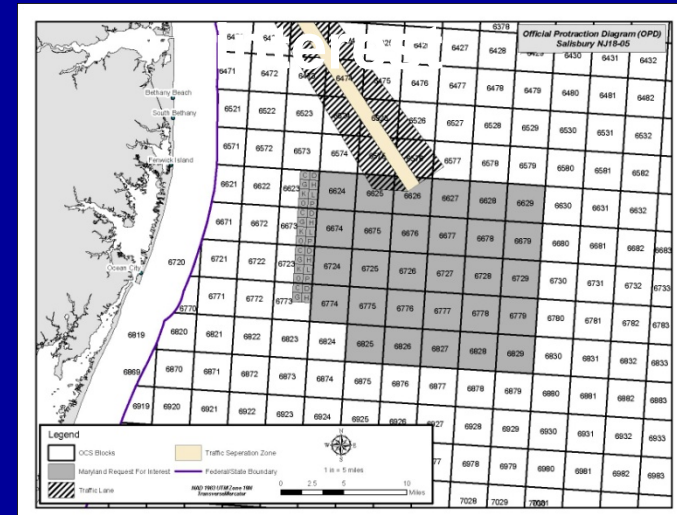
- Received 9 individual expressions of interest from 8 entities

- BOEMRE staff reviewing expressions of interest:

-Legal, financial, and technical qualifications

- Leasing late 2010 or early 2011

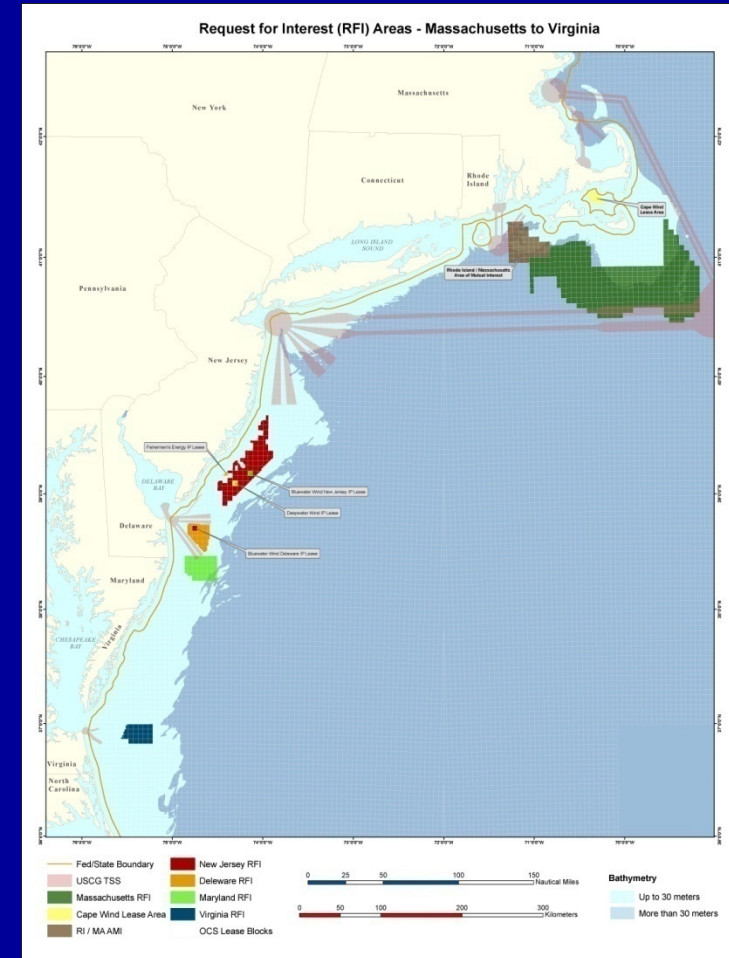
- Navigation concerns in response to RFI





# Other States' Offshore Wind Status

- **Wind Energy Areas**
- **Issuance of DNCI**
  - Delaware
- **Issuance of RFIs**
  - Massachusetts and North Carolina
- **Issuance of Calls for Information**
  - New Jersey, Rhode Island, and Virginia
- **On-going discussions**
  - Maine and New York
- **Establish Task Forces**
  - Georgia and South Carolina





**Decisions today,  
Energy for tomorrow**