



BOEM's OCS
Renewable Energy
Program:
Focus on the Pacific

“Harbors, Navigation and
Environment Seminar”

American Association of Port Authorities

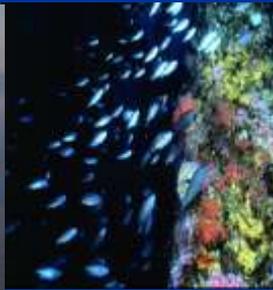
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Bureau of Ocean Energy Management

- Bureau within the Department of the Interior
- Oversees development of the nation's oil and gas, renewable energy, and other mineral and energy resources on the Outer Continental Shelf



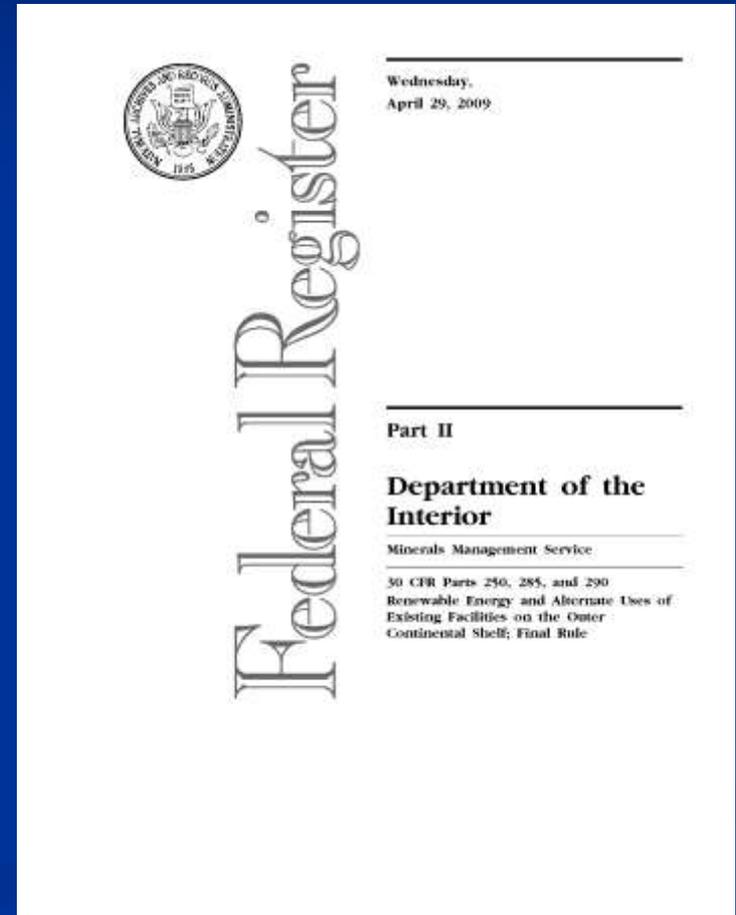
Types of Renewable Energy Activities

- **Wind**—commercial project proposals from Maine to North Carolina, technology testing off Georgia; research and commercial interest off West Coast and Hawaii
- **Wave**—preliminary interest in research and eventual commercial leasing off Oregon
- **Ocean Current**—resource data collection and technology testing off southeast Florida
- **Transmission**—multiple-phased project between Virginia and New Jersey/New York; individual projects off Rhode Island and subsea cable network off Hawaii



The Regulatory Framework

- President Obama announced publication of the final Renewable Energy Framework on Earth Day 2009
- 30 CFR Part 585 (i.e., “The Rule”)



Summary of Regulatory Framework

- Coordination (throughout rule)
 - Federal/State/Local/Tribal Task Forces
- Lease and Grant Issuance (Subparts B and C)
 - Commercial and Limited Leases
 - Competitive and Noncompetitive Leasing
 - Rights-of-Way and Rights-of-Use and Easement
 - Research Activities
- Payments (Subpart E)
 - Bonding, Payments, Revenue Sharing
- Plans (Subpart F)
 - Site Assessment and Construction & Operations
 - General Activities
- Conduct of Approved Plan Activities (Subpart H)
 - Environmental and Safety Monitoring & Inspections
- Decommissioning (Subpart I)

Stages of Renewable Energy Development

Planning and Analysis

Leasing

Site Assessment

Commercial Development

The program's philosophy is centered on engagement of stakeholders, transparency, and providing opportunities for public input through formal and informal processes.

Applicable Statutes & Executive Orders

- National Environmental Policy Act
- Endangered Species Act
- Marine Mammal Protection Act
- Magnuson-Stevens Fishery Conservation and Management Act
- Marine Protection, Research, & Sanctuaries Act
- National Marine Sanctuaries Act
- E.O. 13186 (Migratory Birds)
- Coastal Zone Management Act
- Clean Air Act
- Clean Water Act
- Marking of Obstructions
- E.O. 13547 (Stewardship of the Oceans, Our Coasts & the Great Lakes)
- Ports and Waterways Safety Act
- Rivers and Harbors Appropriation Act
- Resource Conservation and Recovery Act
- National Historic Preservation Act
- Archaeological and Historical Preservation Act
- American Indian Religious Freedom Act
- Federal Aviation Act
- Federal Power Act
- E.O. 13007 (Indian Sacred Sites)

Intergovernmental Task Forces

- Affected State, Local, & Tribal governments and Federal agencies participate
 - Task Force does not replace consultation under existing Federal laws and regulations
- Forum to:
 - **Educate** each other about permitting and statutory responsibilities, and stakeholder issues
 - **Exchange data** about biological and physical resources, uses, and priorities
 - **Continue dialogue** about renewable energy activities throughout the leasing process
- BOEM considers task force input in our renewable energy leasing decisions

Intergovernmental Task Forces

- Atlantic Task Force States: Maine, Massachusetts, Rhode Island, New York, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina
- Pacific Task Force States: Oregon, Hawaii

Ocean Planning

- EPA Act 2005 Section 388:
“establish an Outer Continental Shelf (OCS) Digital Mapping Initiative to assist in decision making related to alternative energy uses on the OCS”
- BOEM has funded the development of a Multipurpose Marine Cadastre for this purpose
- Partnering with NOAA (the technical lead) to ensure success

Renewable Energy Studies



- Ocean Science is the science and technology journal of BOEM
- BOEM funds on average \$30 million per year for scientific studies:
 - Environmental Studies Program
 - Technology Assessment and Research
 - IEA Annex IV
- Data gained inform policy decisions

Oregon Renewable Energy Activities

- Oregon is conducting Marine Spatial Planning through Territorial Sea Plan process (state waters)
- BOEM working with Oregon Task Force to plan for OCS renewable energy activities
 - Human use mapping with NOAA
 - Scientific conference on marine renewable energy
- Potential OCS projects include:
 - Northwest National Marine Renewable Energy Center (research lease)
 - Oregon National Guard/U.S. Army wave project off Camp Rilea, northern Oregon (research/commercial lease)

Hawaii Renewable Energy Activities

- BOEM working with Hawaii Task Force to plan for OCS renewable energy activities
 - Human use mapping with NOAA
- BOEM funded Hawaii National Marine Renewable Energy Center Engineering and Wave Energy Resource Assessment Studies
- Potential OCS projects include:
 - Commercial wind leases
 - Research leases
 - Interisland subsea cable Right-of-way

Concluding Thoughts...

Whether OCS wind, MHK, or transmission, BOEM will continue to:

- Apply our renewable energy regulatory framework in conjunction with interagency-led planning activities
- Focus on **multiple-use**
- Work with state, federal, tribal and other interested partners

Goal: Achieve efficient, safe, and environmentally sound ocean energy development

More Information...



On the Web at:

<http://www.boem.gov/Renewable-Energy-Program/index.aspx>

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