

# Bureau of Ocean Energy Management Overview

- Renewable Energy Program
- Task Force Activities
- Marine Spatial Planning
- Pacific Regional Ocean Uses Atlas
- Environmental Studies Program

*Sara Gultinan  
Hawai'i ORMP Working Group Meeting  
December 6, 2012  
Honolulu, HI*



## Who We Are

Department of the Interior's Ocean Energy Agency

Manage the nation's energy and mineral resources  
on the Outer Continental Shelf (OCS)

OCS Lands Act (3 – 200 nautical miles)




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**Energy Policy Act 2005 (EPAct)**





Amended the OCS Lands Act: Gave Secretary of the Interior authority to regulate a broad spectrum of activities:

- Production, transportation or transmission of energy from sources other than oil and gas – ***Renewable Energy***




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**Types of Renewable Energy Activities Regulated by BOEM**

Wind		Ocean Current	
Wave		Transmission	

*BOEM does not regulate Ocean Thermal Energy Conversion (OTEC)*



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## Renewable Energy Framework

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**Renewable Energy Programs**

- Offshore Renewable Energy Guide
- State Activities
- Studies
- Smart from the Start
- Regulatory Information
- Current Projects
- Mapping & Data

**Regulatory Development, Policy and Programs**

Federal Register Notices and other relevant regulatory documents, including the Cape Wind Project, are provided.

Additional Federal Register Notices related to BOEM Offshore Renewable Energy Programs are provided on the Federal Register Notice web site.

- Guidelines to Lessees, Operators and Applicants
- Lease Forms
- Programmatic Environmental Impact Statement (PEIS)

**Guidelines to Lessees, Operators and Applicants**

BOEM has developed the following guidelines for renewals. These guidelines are intended to provide lessees, operators and developers with:

- additional information, clarification, description, and requirements;
- a better understanding of the scope and meaning of requirements;
- guidelines on the implementation of a special lease agreement or regional requirements; or
- updated administrative information such as current telephone listings and a change in BOEM personnel or office address.

BOEM / FERC Guidelines on Regulation of Marine and Hydrokinetic Energy Projects on the OCS

U.S. Department of the Interior  
Minerals Management Service  
Office of Offshore Alternative Energy Programs  
Herndon, VA

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

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## Stages of Renewable Energy Program

➔ **Planning and Analysis**

**Leasing**

**Site Assessment**

**Commercial Development**



## OCS Renewable Energy Program Philosophy

Coordinate with federal, state, and local agencies, Native Hawaiians, and stakeholders

Establish Intergovernmental Task Forces to facilitate coordination among all agencies

Work closely with planning partners and stakeholders to identify OCS areas appropriate for renewable energy development




## Hawaii OCS Renewable Energy Task Force

Established by DOI Secretary Ken Salazar in July 2011 in response to a request from Governor Neil Abercrombie, who requested formation of a task force:

*"...to enhance intergovernmental coordination and planning and facilitate effective review of requests for OCS leases and right-of-way grants for power cables"*








Task Force Purpose

Task Force is a forum to:

- **Educate** each other about permitting and statutory responsibilities and stakeholders' issues
- **Exchange data** about biological and physical resources, uses, and priorities
- **Continue dialogue** about renewable energy activities throughout the entire planning and leasing process




Task Force Operations



Task force is chaired by [Ellen Aronson](#), Regional Director, BOEM Pacific Region

State Participation is led by [Mark Glick](#), Energy Program Administrator, State Energy Office, DBEDT on behalf of Governor Abercrombie

Task Force is governed by an adopted Charter

Intergovernmental coordination body



## Task Force Members

**Federal Agencies/Offices**



- BOEM, USFWS, USGS, NPS, ONHR
- DoD, DOE, USACE, USCG, FAA, NOAA, EPA



**State Agencies/Universities**

- DBEDT, DLNR, DOH, DOT, NELHA, OHA, UH

**Local Agencies**

- City/County of Honolulu, Maui County, Kauai County, Hawaii County



## Task Force Activities

**1<sup>st</sup> meeting held March 7, 2012 in Honolulu**

- BOEM/DBEDT shared information on their respective renewable energy programs and activities
- Discussed collaborative steps that can be taken to plan for future OCS renewable energy activities

**2<sup>nd</sup> meeting held December 5, 2012 in Honolulu**

- BOEM/DBEDT provided renewable energy activity updates
- DoD presented its process for site assessment review of OCS areas for wind development offshore Oahu
- Information shared on interisland cable-related studies and any technical, environmental, or research data gaps that may exist
- Discussed next steps to plan for OCS renewable energy development



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## Task Force Activities

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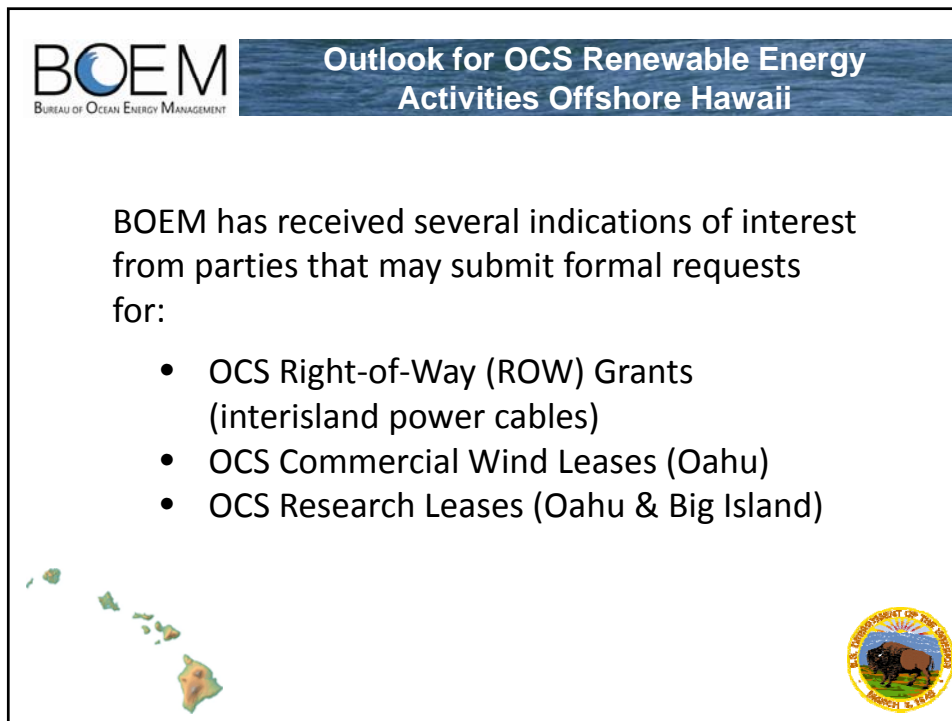
### Renewable Energy Programs

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### Hawaii

- BOEM established the Hawaii OCS Renewable Energy Task Force to promote intergovernmental planning and coordination, and to facilitate effective and efficient review of future requests for commercial and research leases and right-of-way grants for power cables on the federal outer continental shelf (OCS) offshore Hawaii. Members of the intergovernmental task force include representatives of federal, state and local government agencies, and offices that coordinate with Native Hawaiians.
- The first BOEM Hawaii OCS Renewable Energy Task Force meeting was held in Honolulu, Hawaii on March 7, 2012. During the meeting, BOEM and the Hawaii Department of Business, Economic Development and Tourism (DBEDT) officials described their respective renewable energy programs and discussed future coordination and consultation opportunities. The agenda, copies of presentations, and list of attendees are found below.
  - Meeting Agenda
  - Overview of BOEM OCS Renewable Energy Program
  - Task Force Purpose - BOEM
  - BOEM OCS Regulatory Framework and Leasing Process
  - BOEM Studies and Research Highlights
  - OCS Research Lease Regulatory Framework
  - Status of Ocean Energy Projects - DBEDT
  - Hawaii State Energy Office (SEO) Vision Strategy - DBEDT
  - Meeting Attendees

<http://boem.gov/Renewable-Energy-Program/State-Activities/Hawaii.aspx>






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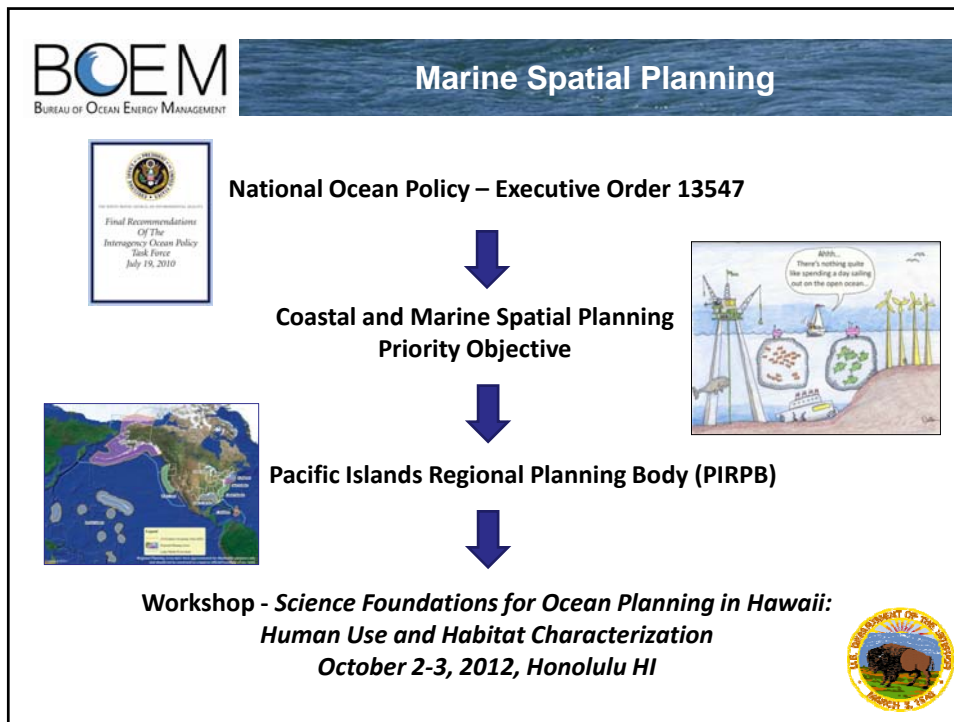
## Outlook for OCS Renewable Energy Activities Offshore Hawaii

BOEM has received several indications of interest from parties that may submit formal requests for:

- OCS Right-of-Way (ROW) Grants (interisland power cables)
- OCS Commercial Wind Leases (Oahu)
- OCS Research Leases (Oahu & Big Island)





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## Hawaii Ocean Planning Workshop


- Learned about projects and data availability
- Gained understanding of state and federal agency perspectives
- Identified key partners and groups for science and planning
- Began collaborating on ocean planning process implementation
- Began to identify next steps for Hawaii to consider
- Networked across agencies and organizations

**Workshop summary will be distributed by NOAA in the near future**

**For more information:**  
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NOAA Pacific Islands Coastal and Marine Spatial Planning Program Coordinator / Pacific Islands Regional Planning Body Secretariat  
[sarah.pautzke@noaa.gov](mailto:sarah.pautzke@noaa.gov)

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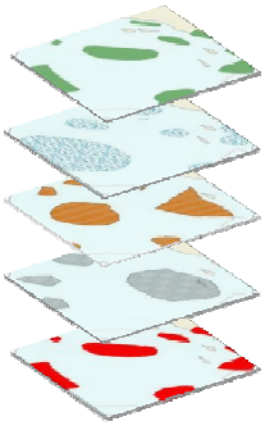
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**BOEM / NOAA**  
**Pacific Regional Ocean Uses Atlas**

**PURPOSE:** To enhance ocean planning for offshore renewable energy development and inform other ocean planning strategies that require insight to ocean use activities

**GOALS:** To collect spatial data on the full range of human uses of the ocean through consultation with use experts, community stakeholders, and cultural use practitioners; to create data and analysis tools to assist in understanding use patterns, hotspots, conflicts and compatibilities

**GEOGRAPHY:** The OCS off the states of Washington and Oregon, and the OCS and state waters in Hawaii.




**Military Use**


**Renewable Energy**

**Fishing Uses**

**Non-Consumptive Uses**

**Industrial Uses**






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**PARTICIPATORY GIS WORKSHOPS**





**Hawaii Coastal Use Mapping Project (2010-11):**

- Hawaii & Maui
- Hawaii DAR, TNC, NOAA-CRCP, PSC, PIRO, PIFSC
- Conservation Action Planning & Priority Site Assessment


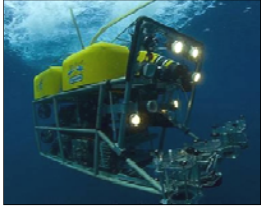


**Fact Sheets available**







Pacific Region Environmental Studies

- 1973 – 2013
- 306 studies completed at nearly \$ 141.5 M
- 26 on-going studies FY 2012 ~ \$ 13.2 M  
18 related to renewable energy ~ \$ 10.3 M
- 6 additional studies for FY 2013 ~ \$ 3.4 M  
5 renewable energy studies ~ \$ 2.9 M  
3 informative to Hawaii ~ \$ 2.3 M


<http://www.boem.gov/Environmental-Stewardship/Environmental-Studies/Pacific-Region/Studies/Current-Environmental-Studies.aspx>







Pacific Region Environmental Studies

**Pacific Region 2013 Studies Informative to Hawaii**






Inventory and Analysis of Coastal and Submerged Archaeological Site Occurrence near the Main Hawaiian Islands



Habitat Affinities and At-Sea Ranging Behaviors among Main Hawaiian Island Seabirds



A Marine Biogeographic Assessment of the Main Hawaiian Islands



## Pacific Region 2013 Studies Informatve to Hawaii



### Inventory and Analysis of Coastal and Submerged Archaeological Site Occurrence near the Main Hawaiian Islands

Objectives:

- Accumulate information on submerged and terrestrial cultural and archaeological sites and site types
- Develop a geo-referenced database of known, reported and potential historic shipwrecks on the Pacific OCS off the main Hawaiian Islands
- Identify and develop a database of coastal historic properties that could be adversely impacted by the alteration of the view of the ocean




## Pacific Region 2013 Studies Informatve to Hawaii



### Habitat Affinities and At-Sea Ranging Behaviors among Main Hawaiian Island Seabirds


Objectives:

- Increase BOEM's understanding of at-sea habitat utilization and ranging behaviors for seabirds breeding within the MHI
- Conduct field studies of at-sea habitat utilization and ranging behaviors for seabirds breeding within the MHI
- Compile and analyze remotely sensed and modeled habitat data to examine habitat relationships to predict species' distributions and improve spatial vulnerability maps



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Pacific Region 2013 Studies Informative to Hawaii



### A Marine Biogeographic Assessment of the Main Hawaiian Islands

*Objectives:*

- Determine the spatial and temporal distribution of trophic groups, families and species offshore the MHI
- Identify the location of ecologically unique and productive habitats offshore the MHI
- Determine how ecologically important areas are being utilized by living marine resources
- Identify where offshore renewable energy projects might be located to maximize energy production and minimize potential impacts to the marine environment



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Pacific OCS Region Contact



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