

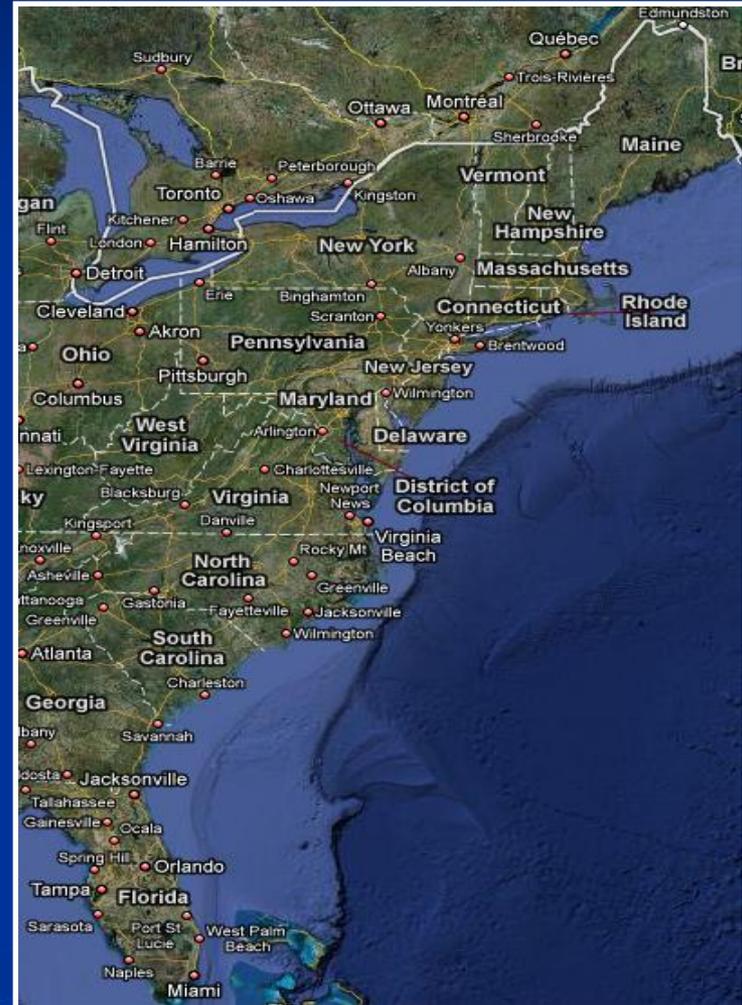
Atlantic OCS Region Overview

Bureau of Ocean Energy Management, Regulation and Enforcement
Outer Continental Shelf
Scientific Committee Meeting
May 17, 2011

Michelle Morin
Chief, Environmental Review Branch
Office of Offshore Alternative Energy Programs

OCS Activities

- Renewable Energy
- Sand and Gravel
- Oil and Gas



Ongoing Studies

Social Sciences

- Battle of the Atlantic Expedition 2010-2015

Fates & Effects

- Characterization & Potential Impacts of Noise Producing Construction & Operation Activities on the Outer Continental Shelf (OCS) (II)

Information Management

- Atlantic Wind Energy Workshop

Ongoing Studies (continued)

Marine Mammals and Protected Species

- Evaluating Acoustic Technologies to Monitor Aquatic Organisms at Renewable Energy Sites

Habitat & Ecology

- Developing Environmental Protocols and Modeling Tools to Support Ocean Renewable Energy and Stewardship
- Roadmap: Technologies for Cost Effective, Spatial Resource Assessments for Offshore Renewable Energy
- Exploration and Research of Mid-Atlantic Deepwater Hard Bottom Habitats and Shipwrecks with Emphasis on Canyons and Coral Communities

New Starts for FY 2011 and 2012

- Synthesis, Analysis, & Integration of Air Quality and Meteorological Data for the Atlantic Region (FY 2011)
- Information Synthesis on the Potential for Bat Interactions with Offshore Wind Facilities (FY 2011)
- The Impact and Attitudes of OCS Wind Development on Recreation and Tourism in the Atlantic Region (FY 2011)
- Evaluation of Lighting Schemes for Offshore Wind Facilities & Impacts to Local Environments (FY 2011)
- The Economic Impact of OCS Wind Development on Fishing (FY 2012)

Other Research Initiatives

- BOEMRE Technology Assessment and Research Program (TA&R)
- Department of Energy (DOE) Funding Opportunity Announcement (FOA)
- National Oceanographic Partnership Program (NOPP) Broad Agency Announcement (BAA)
- National Renewable Energy Laboratories (NREL)
- State Initiatives

Information Needs for FY 2012-2013

- Baseline Data
- Movements of Migratory Birds
- Space-Use Conflicts
- Information Sharing
- Impacts Associated with Commercial Activities

Proposed Studies FY 2012

Page #	Discipline	Title	Rank
19	HE	Pilot Study: Tracking Offshore Occurrence of Common Terns and American Oystercatchers with VHF Arrays	1
21	HE	Determining Offshore Use by Diving Marine Birds Using Satellite Telemetry	2
23	SS	Potential Space-Use Conflicts between Commercial Shipping and Wind Facilities on the Atlantic OCS	3

HE = Habitat & Ecology; SS = Social Sciences

Proposed Studies FY 2013

Page #	Discipline	Title
27	IM	2nd Atlantic Wind Energy Workshop
29	SS	Offshore Wind Turbine Allision Impact Analysis and Modeling
31	AQ	An Estimation of Criteria Pollutant Emissions on the Atlantic OCS
33	SS	Environmental and Social Consequences of Port Expansion and Operations Associated with Offshore Commercial Wind Energy on the Mid-Atlantic OCS
35	FE	Literature Review: Environmental Risks, Fate and Effects of Chemicals Associated with Wind Turbines on the Atlantic OCS
37	AQ	Microclimatology Modeling near Offshore Wind Energy Facilities

AQ = Air Quality; FE = Fates & Effects; SS = Social Sciences; IM = Information Management

Future Information Needs

- Wind Energy on the OCS
 - Baseline Data
 - Post Construction Monitoring
 - Technology Issues
 - Impacts
- Transmission
- Marine Hydrokinetic Projects on the OCS
- Cross-Cutting Issues

Questions?

Atlantic OCS Region Ongoing Studies:

www.boemre.gov/eppd/sciences/esp/AtlanticOngoingStudies.htm

Renewable Energy Research:

www.boemre.gov/eppd/sciences/esp/RenewableEnergyResearch.htm

Michelle.Morin@BOEMRE.gov

703-787-1722