Partnering for Safe, Secure and Resilient Port Operations

Status of Atlantic Outer Continental Shelf Renewable Energy Development

15th Biennial Harbor Safety Committee and Area Maritime Security Committee Conference, August 25-27

Darryl François, Office of Renewable Energy Programs
Bureau of Ocean Energy Management

BOEM's Staged Offshore Renewable Energy Authorization Process

Planning and Analysis

Leasing

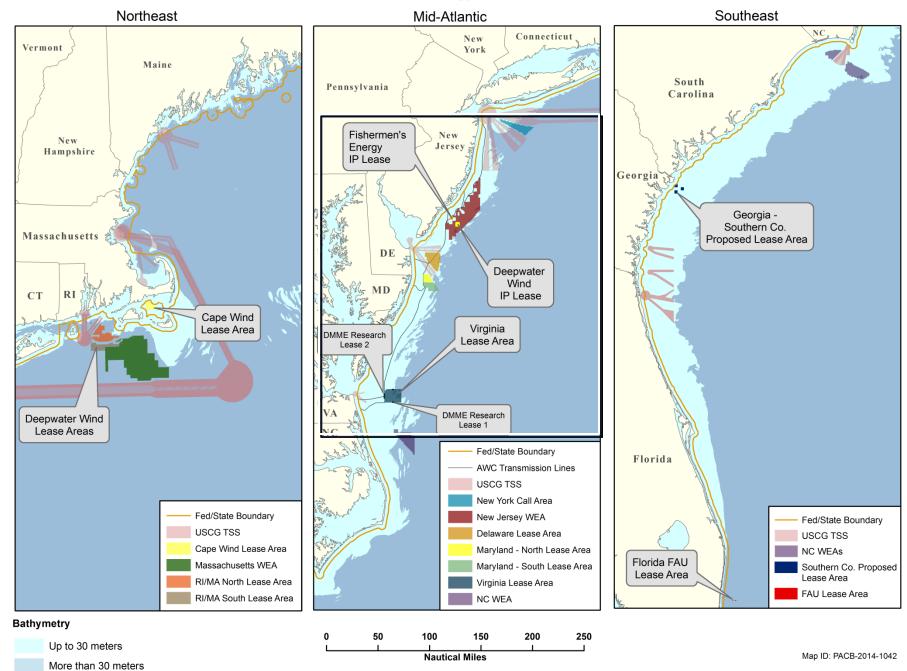
Site Assessment

Construction and Operations

Commercial Vessel Traffic

- Coordination with the U.S. Coast Guard since 2009 through
 - Intergovernmental task forces
 - Interagency meetings
 - Joint presentations at conferences and workshops
 - Data analysis
- Automatic Identification System (AIS) data first acquired by BOEM in 2010/2011
 - AIS analysis first used to inform Virginia WEA development
 - AIS data now includes 2009-2012
- Feedback from the maritime community has informed development of all Atlantic Wind Energy Areas

Atlantic OCS Renewable Energy - Massachusetts to Florida

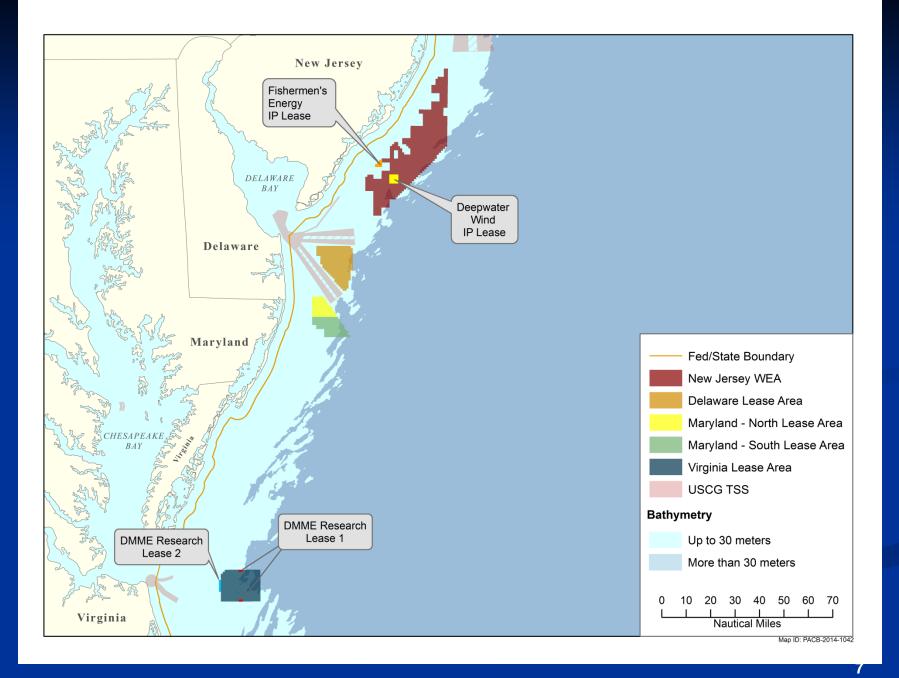


Leasing and Potential Leasing

- Effective Dates
 - Rhode Island October 2013
 - Delaware January 2013
 - Virginia November 2013
 - Maryland October 2014(?)
- New Jersey, Massachusetts Proposed Sales
- North Carolina Wind Energy Areas Environmental Assessment

OC S Acreage Leased (or proposed)

Lease Area	# of OCS Blocks	Acres
Cape Wind (468 MW - nameplate capacity)	5.17	29,425
Rhode Island (2 leases)	28.94	164,749
Delaware	16.94	96,430
Virginia	19.81	112,798
Maryland (2 leases)	14	79,706
New Jersey WEA (2 leases proposed)	60.38	343,732
Massachusetts WEA (4 leases proposed)	130.5	742,974

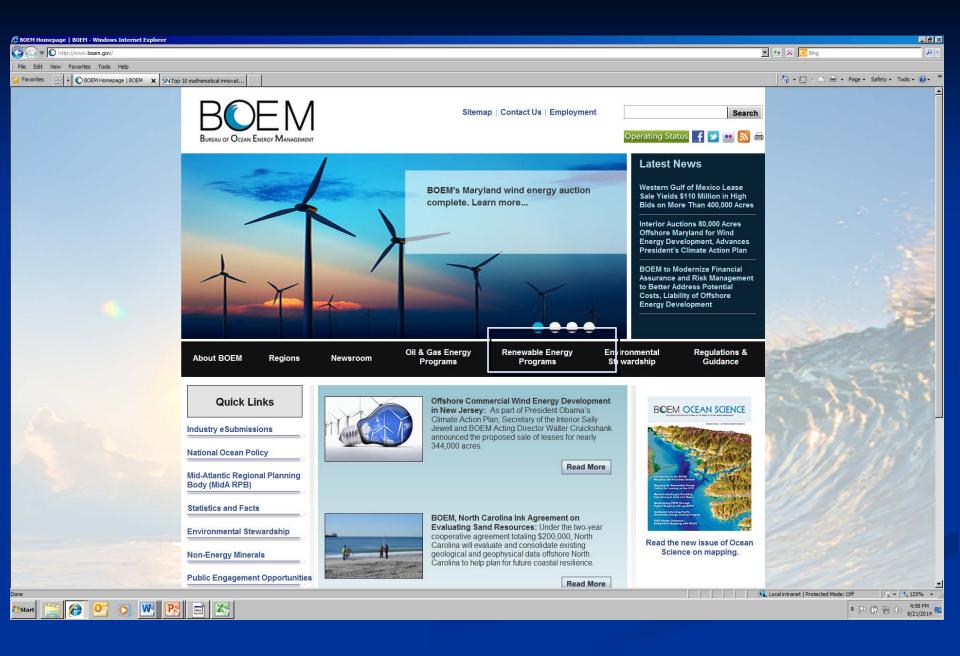


After Lease Issuance

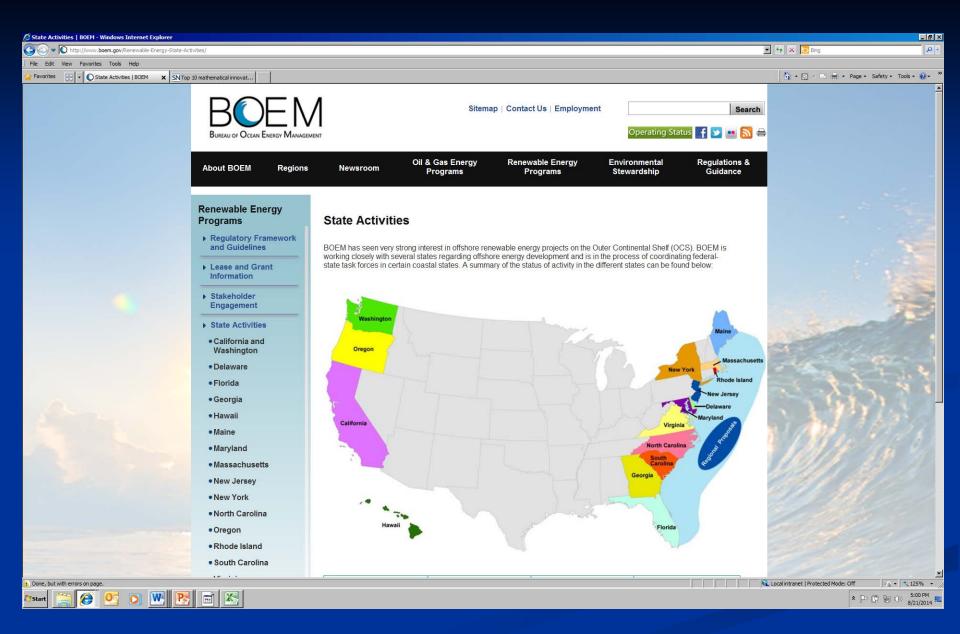
- Site Assessment from 1 to 5 years
 - Wind resource Assessment meteorological and ocean conditions
 - Site Characterization Surveys bottom and sub-bottom characterization, area activities, species activity, cultural resources
- Construction and Operations Plan (COP)
 - Conceptual project plan -- describes proposed location of turbines, service platforms and cabling and support activities, and schedule of activities
 - Subject to environmental analysis from 12 to 18 months
- COP approval
 - Could result in additional terms and conditions on operator activity
 - Begins a 25 year operational term

After COP Approval

- Additional survey and data analysis that leads to
 - Facility Design Report (FDR)
 - Site specific engineering data for facilities
 - Fabrication and Installation Report (FIR)
 - Methodology for fabrication, construction, and installation of turbines, service platforms and cabling
- FDR and FIR must be completely consistent with COP environmental analysis
- After FDR/FIR review construction can begin







Thank you!

More information at:

www.boem.gov

→ "Renewable Energy Programs" or call 703-787-1300