



Virginia Intergovernmental Task Force Meeting
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Bureau of Ocean Energy Management
September 22, 2016

Overview

- BOEM Program Overview
- State Task Force Engagement and Development
- Commercial Lease Status



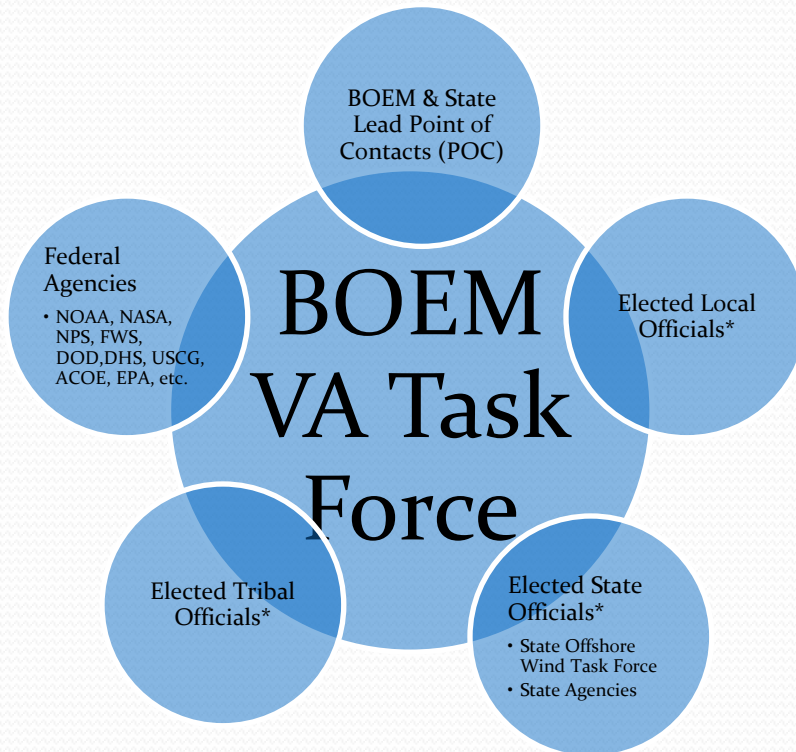
Program Authority and Philosophy

Energy Policy Act of 2005

- Amends Outer Continental Shelf Lands Act (OCSLA) to authorize DOI to act as “lead” agency for certain alternative energy and marine-related uses on the OCS
- DOI delegated OCSLA authority to then MMS (now BOEM)
- Requires development of regulatory regime that:
 - Ensures consultation with States, Local government and other stakeholders.
 - Grants leases, easements, or rights-of ways.
 - Enforces regulatory compliance.
 - Requires financial surety.
 - Provides fair return to the Nation.

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

BOEM Virginia Task Force



- Established BOEM Virginia Renewable Energy Task Force in 2009
- Introduced VA Charter
- Gathered input and new data sources on existing OCS uses to inform planning process
- Updated charter and portal
- Held Task Force meetings:
 - 2012 Task Force Meeting (June 5, 2012)
 - 2011 Task Force Meeting (August 17, 2011)
 - 2010 Task Force Meeting (April 27, 2010)
 - 2009 Task Force Meeting (December 8, 2009)
- Maintain information gathering Engagement and Outreach

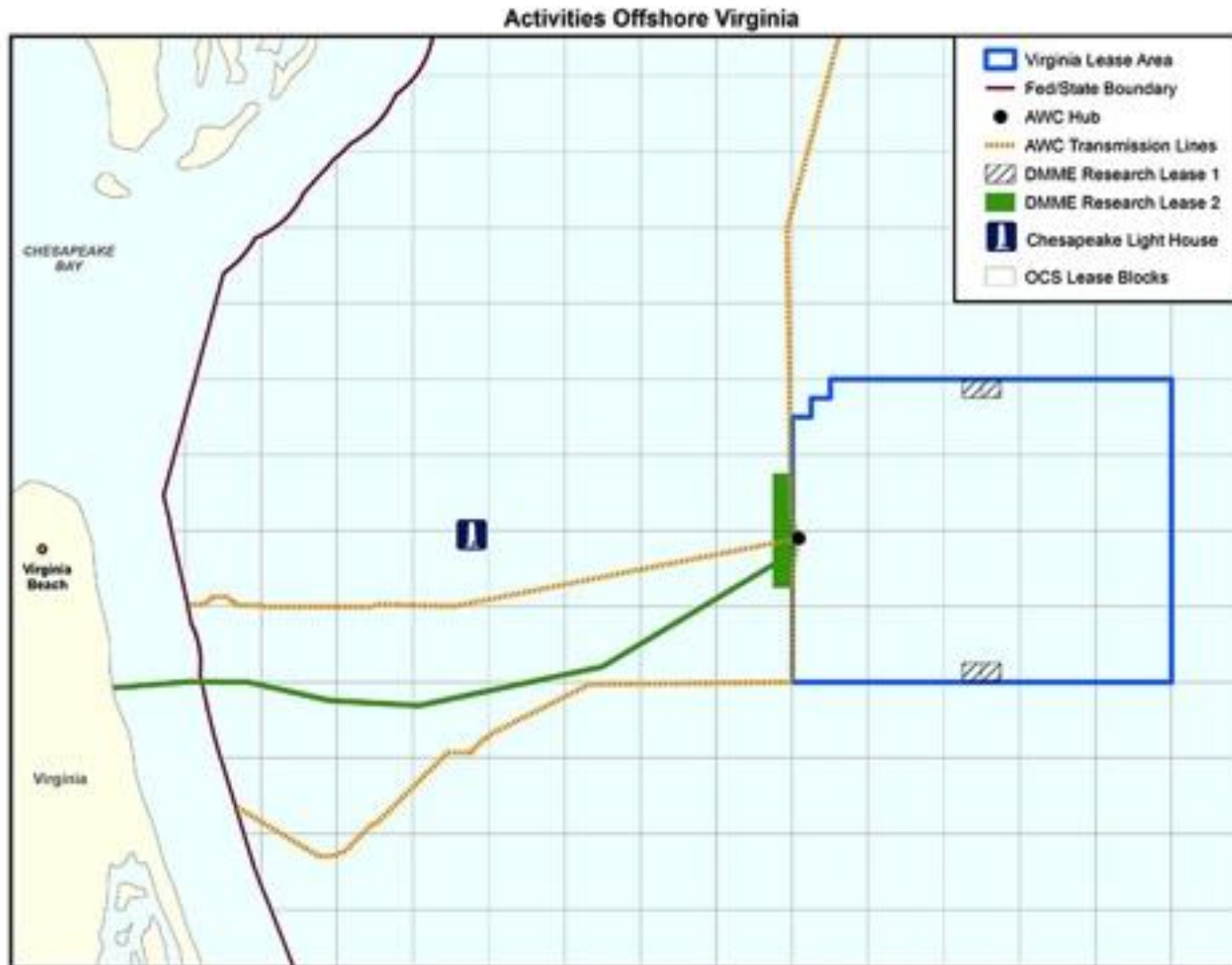
Enhanced Government Efficiencies

- By engaging in BOEM's leasing process, Task Forces:
 - Provide a regional perspective to the leasing process;
 - Engage federal, state, and other entities in long-term resource planning;
 - Facilitate site selection through stakeholder coordination;
 - Promote issue identification and mitigation of potential impacts;
 - Collaborate on the use of scientific research and information;
 - Enhance environmental monitoring and mitigation strategies

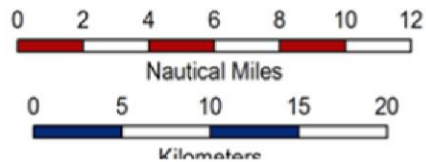
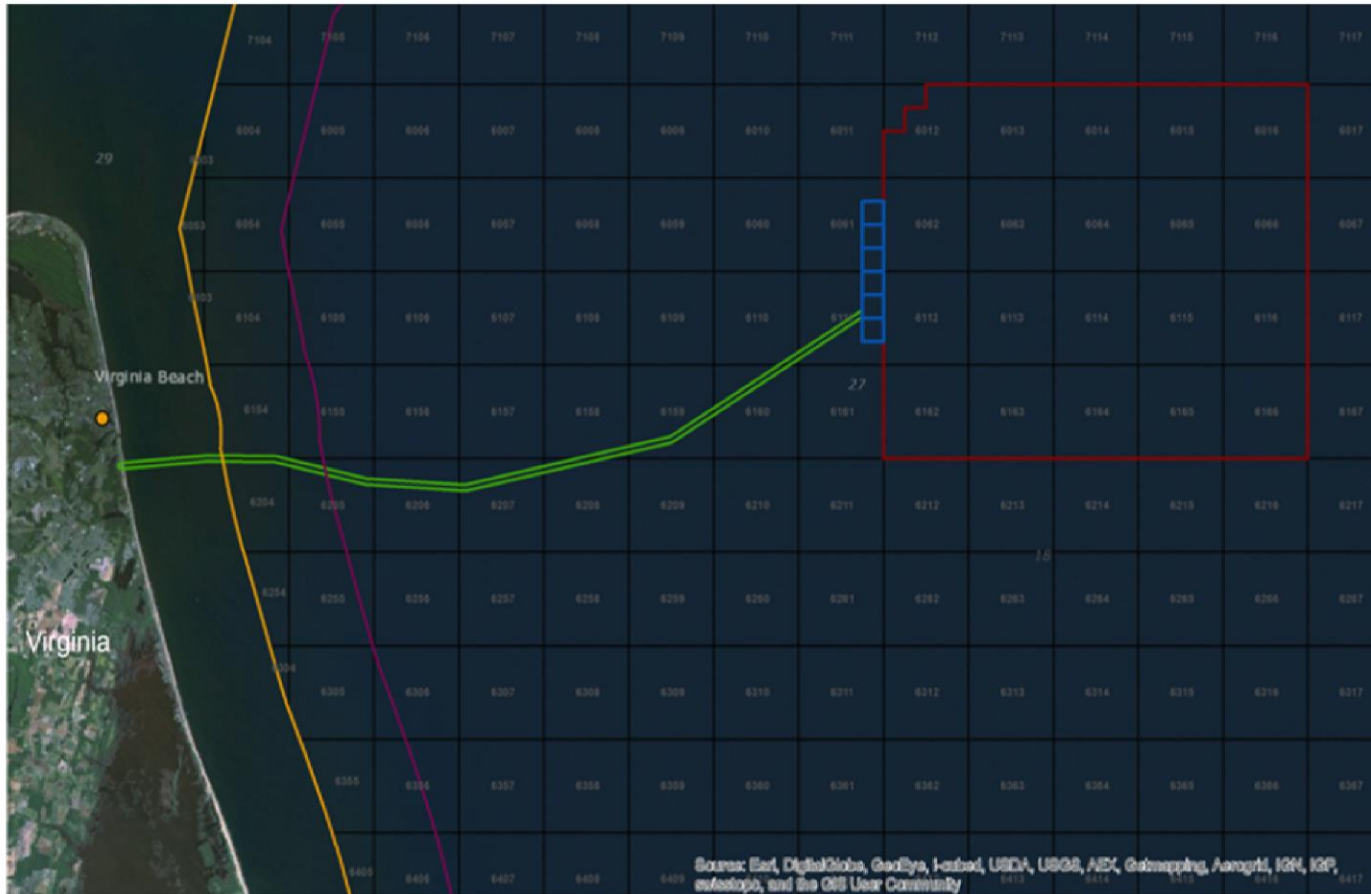
Applicable Laws and Executive Orders (partial list)

- 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
- Coastal Zone Management Act
- Clean Air Act
- Clean Water Act
- Ports and Waterways Safety Act
- Marking of Obstructions
- 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)
- E.O. 13186 (Migratory Birds)
- E.O. 13547 (Stewardship of the Oceans, Our Coasts & the Great Lakes)
- Outer Continental Shelf Lands Act
- Energy Policy Act

Historic Activities

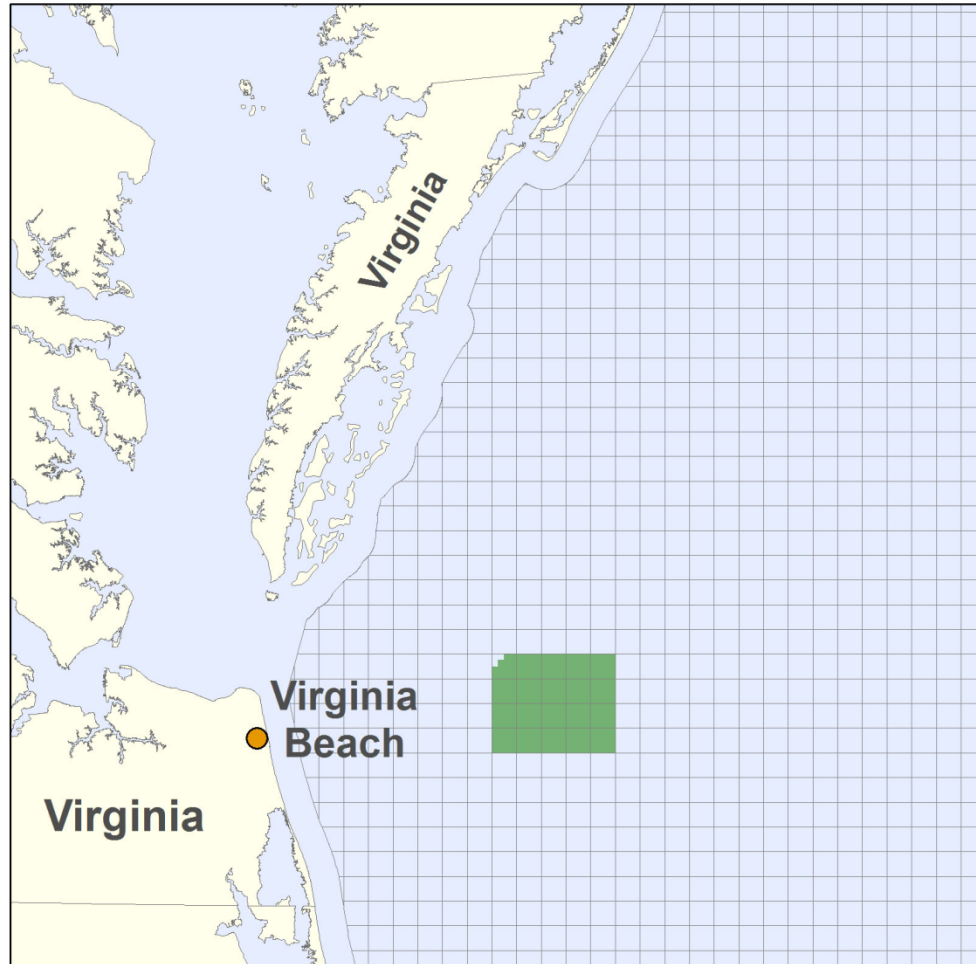


Current Activities



- Fed/State Boundary
- 8g Line
- Virginia Research Lease Area
- 300 meter Cable Route Survey Corridor
- Virginia WEA
- OCS Lease Blocks

Virginia Commercial Lease



Effective: November 1, 2013

Size: 112,799 acres

Awarded competitively to: Virginia Electric and Power Company (dba Dominion Virginia Power) for \$1.6 million as the high bid

Offshore Wind Authorization Process for the Virginia Commercial Lease

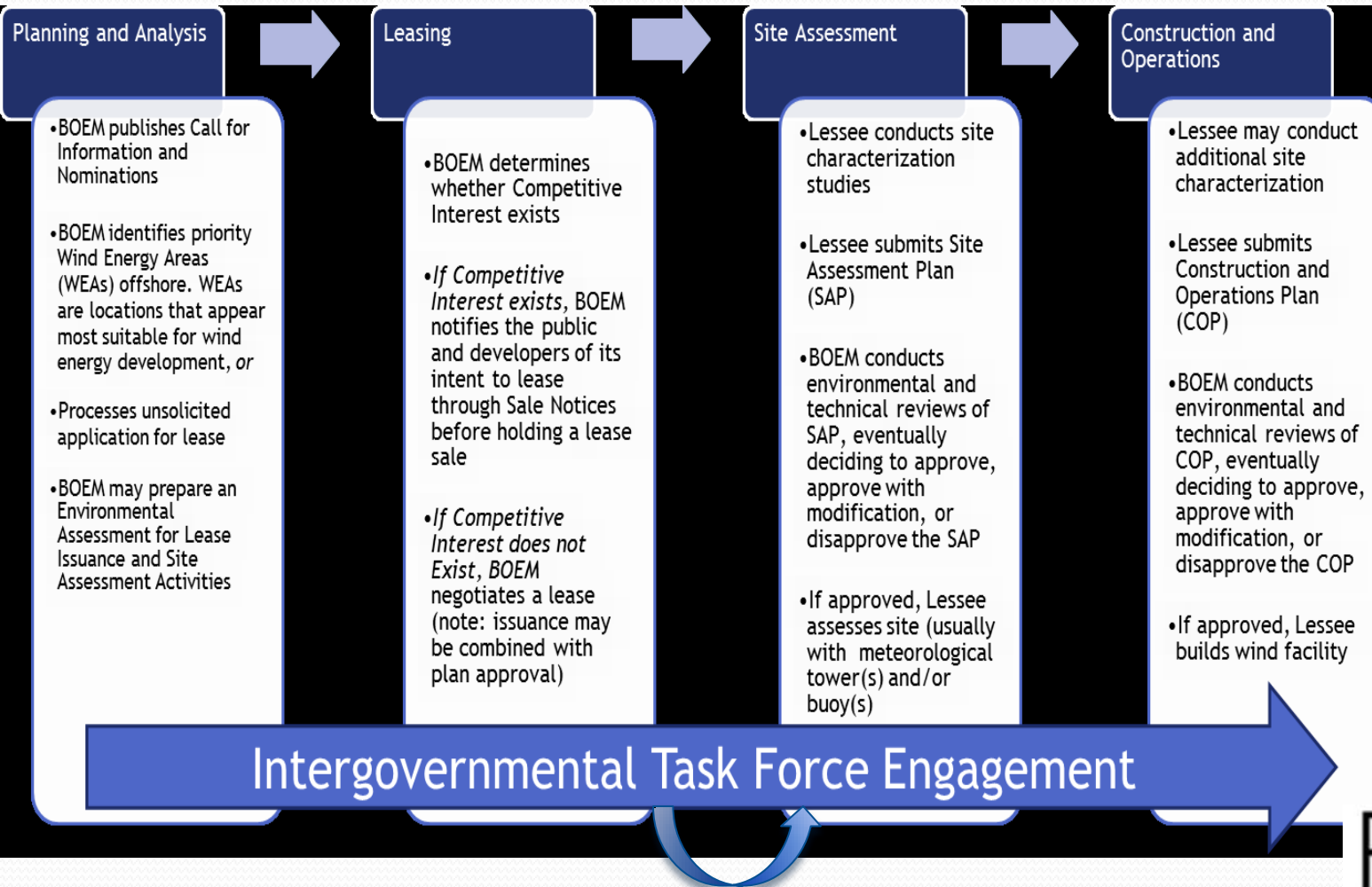
1 - Planning and Analysis

2 - Leasing

3 - Site Assessment

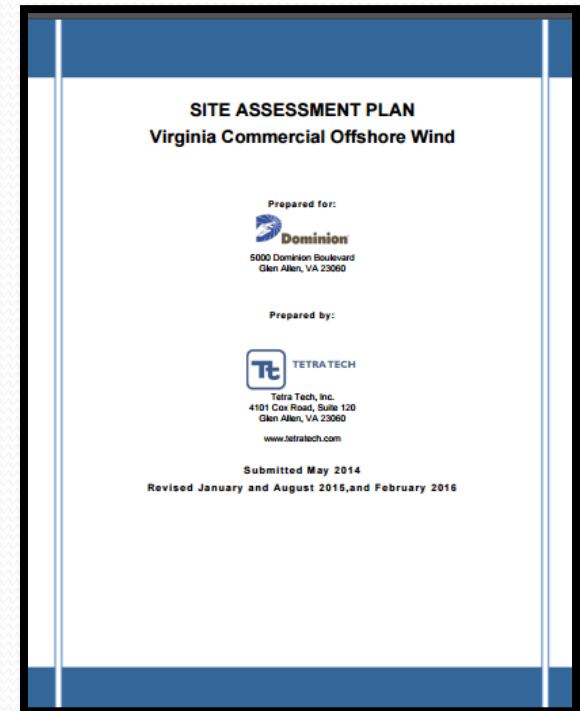
4 - Construction and Operations

BOEM's Staged Offshore Wind Authorization Process



Commercial Site Assessment Plan

- A complete Site Assessment Plan was submitted by Dominion Virginia Power to BOEM for meteorological evaluations and site assessment on March 2, 2016.
- The plan details the methods and procedures Dominion will use to collect and analyze meteorological data and information on the conditions of the marine environment within the Commercial Lease. Collection of this data will be performed using a WindSentinel™, a floating light detection and ranging (LiDAR) buoy. The plan also details the installation and operation of the WindSentinel™.



Site Assessment Plan

Appendix A - Agency Correspondence

Appendix B - Health and Safety Plan

Appendix D - WindSentinel Buoy Technical Details

Appendix F - Vessel Specifications

Appendix G - Incident Report: Protected Species Injury or Mortality

Appendix H - Air Emission Calculations.

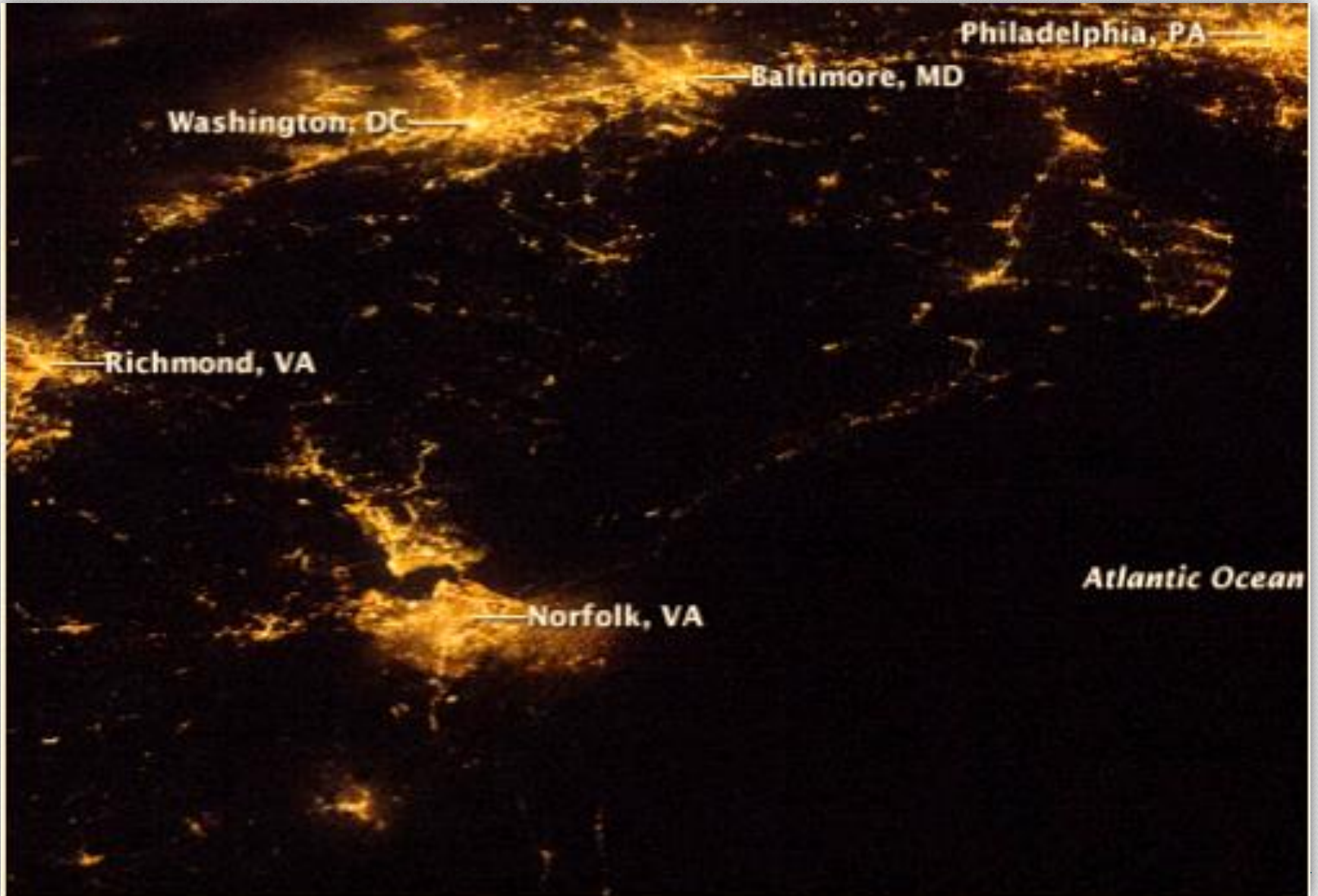
- A bond determination is being completed prior to final decision.



Next Steps...

- Review Commercial Site Assessment Plan
- Continue stakeholder outreach and data gathering
- Continue transparent process and intergovernmental review of Plans and activities

Questions?



Virginia Research Lease

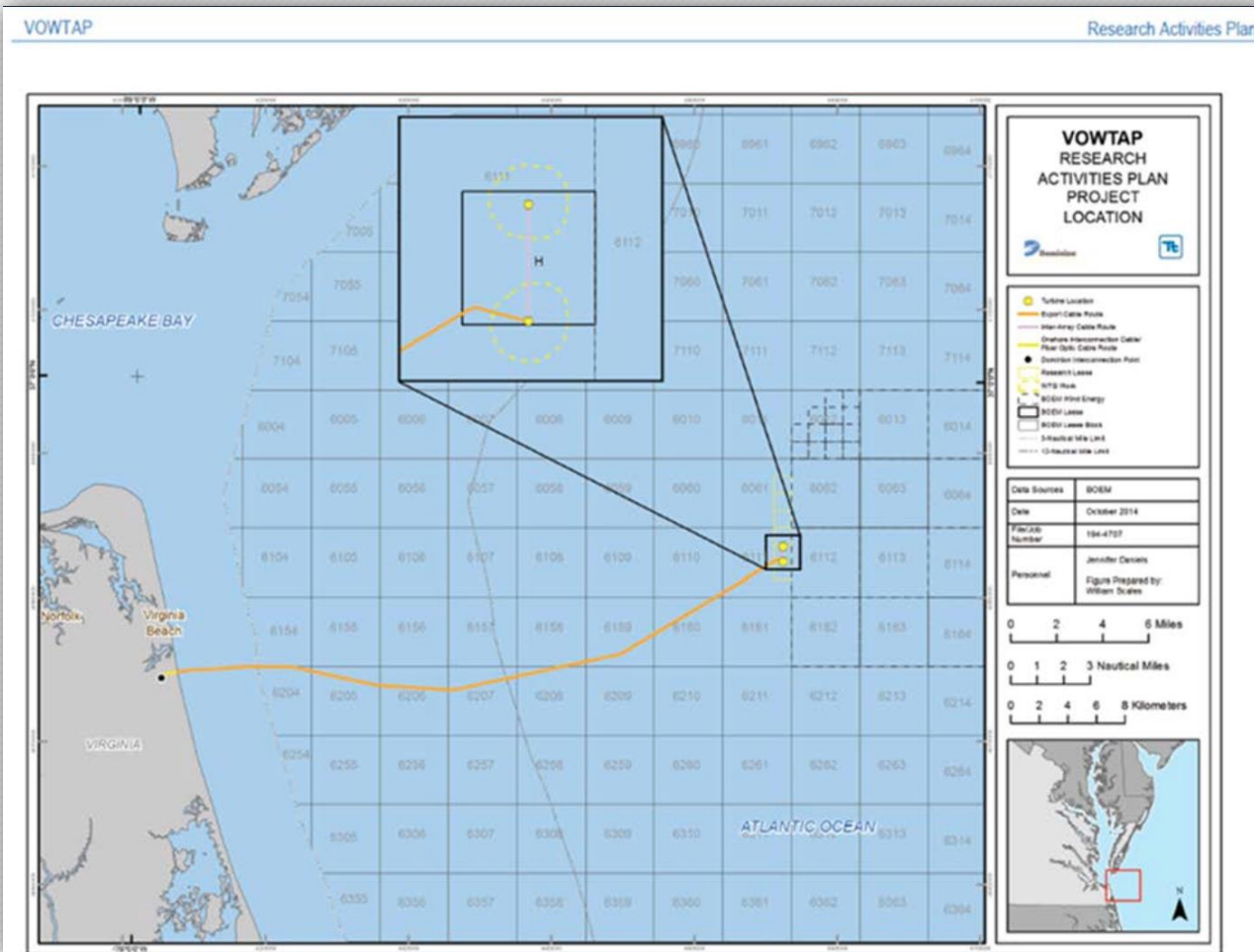
Effective Date: April 1, 2015

Lessee: Commonwealth Of Virginia, DMME

Operator: Virginia Electric and Power Company (dba Dominion Virginia Power)

Size: 2,135 acres

Research Term: 30 years



Virginia Research Lease

- In 2012 the U.S. Department of Energy (DOE) announced funding awards for "Offshore Wind Demonstration Projects." One of awards was given to Dominion Resources, Inc., which partnered with DMME and others to establish the Virginia Offshore Wind Technology Advancement Project.
- These initiatives to date have subsidized the funding and development of publicly available documents ,methodologies, data collection, and planned development to meet BOEM's regulations under 30 CFR part 585
- 30 CFR Part 585. 238, limits the entities able to hold research leases (i.e., state and federal entities).
- The Commonwealth of Virginia its business and industry partners have provided substantial benefits not only to the offshore industry in Virginia but as a whole.
- The information collected on a research lease is made available to the public and may help support future development.

Offshore Wind Authorization Process for Research Leases

- 1 – Unsolicited Request
- 2 – Determination of Competitive Interests
- 3 - Lease negotiation/execution
- 4 - Site Assessment
- 5 - Construction and Operations

Virginia Research Lease

- BOEM Issues First Wind Energy Research Lease in Federal Offshore Waters (03/26/2015)
- BOEM Approves Virginia's Offshore Wind Research Activities Plan (03/24/2016)
 - Including the approval of a Certified Verification Agent; and,
 - Approval of the first project easement for a submarine transmission cable from a federal renewable energy lease to shore.

Research Activities Plan Approval (03/24/2016)

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF OCEAN ENERGY MANAGEMENT

Conditions of Research Activities Plan Approval Lease Number OCS-A 0497

The Lessee's rights to conduct activities under the approved Research Activities Plan (RAP) are subject to the following conditions. The Lessor reserves the right to impose additional conditions incident to any future approval of any modifications to the RAP.

Table of Contents

Section:

- 1) APPLICABLE REGULATIONS AND LEASE TERMS
- 2) TECHNICAL CONDITIONS
- 3) CONDITIONS FOR CULTURAL RESOURCE PROTECTION
- 4) CONDITIONS FOR AVIAN AND BATTERY PROTECTION
- 5) CONDITIONS RELATING TO MARINE PROTECTED SPECIES AND ESSENTIAL FISH HABITAT
- 6) CONDITIONS ON HIGH RESOLUTION GEOPHYSICAL SURVEYS
- 7) CONDITIONS ON PILE DRIVING OF WIND TURBINE GENERATOR (WTG) INWARD BATTERED GUIDE STRUCTURE (IBGS) FOUNDATIONS
- 8) CONDITIONS FOR DYNAMIC POSITIONING (DP) THRUSTER USE
- 9) REPORTING REQUIREMENTS FOR MARINE PROTECTED SPECIES AND ESSENTIAL FISH HABITAT
- 10) ADDITIONAL CONDITIONS FOR ESSENTIAL FISH HABITAT REPORTING AND CONSERVATION
- 11) CONDITIONS RELATED TO NAVIGATIONAL SAFETY
- 12) CONDITION RELATED TO ELECTROMAGNETIC EMISSIONS
- 13) MODIFICATIONS

Attachments:

CONTACT INFORMATION FOR REPORTING REQUIREMENTS
REQUIRED DATA ELEMENTS FOR PROTECTED SPECIES OBSERVER
REPORTS
INCIDENT REPORT: PROTECTED SPECIES INJURY OR MORTALITY

Examples of Coordination with Cooperating Agencies (CONDITIONS RELATED TO NAVIGATIONAL SAFETY)

11 CONDITIONS RELATED TO NAVIGATIONAL SAFETY

11.1 Pre-Construction Briefing. The Lessee, by itself or through its designated operator, must provide the Lessor and the USCG a pre-construction briefing at least 120 calendar days prior to the commencement of any construction or installation activities. The briefing must include, at a minimum:

11.1.1 Weekly Schedule. A detailed weekly schedule on construction and installation activities from commencement to project operations;

11.1.2 Communication Capabilities. Capabilities to be maintained by the Lessee or its designated operator to communicate with the Lessor, USCG, and mariners in the vicinity of the WTGs;

11.1.3 Installation Monitoring. Capabilities to be maintained by the Lessee or its designated operator to continuously monitor its transportation, construction, installation and maintenance vessels, project related facilities as necessary, and the local marine traffic in the vicinity of the leased area; and

11.1.4 Mitigation. All planned mitigations to minimize any adverse impact to navigation while construction is ongoing.

11.2 Private Aids to Navigation. The Lessee, by itself or through its designated operator, must file an application with the commander of the USCG Fifth District to establish private aids to navigation for each WTG, and must provide the approved private aid to navigation to the Lessor prior to the construction or installation of any facilities. The information submitted in the application must include, at a minimum, details for sound signals, RACON, and/or Automatic Identification System (AIS).

11.3 Maintenance Schedule. The Lessee, by itself or through its designated operator, must submit to the Lessor and USCG a WTG maintenance schedule 30 days after construction is completed and on an annual basis thereafter. Modifications to the schedule must be provided to the Lessor and the USCG three weeks prior to implementing the changes.

11.4 Monthly Report. During construction, the Lessee, by itself or through its designated operator, must provide the Lessor and the USCG a monthly report, which includes at a minimum:

11.4.1 Complaints. Any complaints (either written or oral) received from boaters, fishers, commercial vessel operators,

Next Steps...

- Receive an updated Schedule and Site Assessment Plan
- Continue State coordination and stakeholder outreach and data gathering
- Maintain visibility and continue to track dynamic changes in other offshore developments that have the potential to affect approvals
- Continue transparent process and intergovernmental review of Plans and activities