

**MINUTES**  
**VIRGINIA OFFSHORE WIND DEVELOPMENT AUTHORITY**  
**CULTURAL ARTS CENTER AT GLEN ALLEN**  
**DOGWOOD SALON**  
**GLEN ALLEN, VIRGINIA**

**THURSDAY, APRIL 19, 2012**  
**10:00 A.M.**

**CALL TO ORDER**

Chair Art Moye called the meeting to order.

**Members Present:** Art Moye, Joan Bondareff, Mary Doswell, Brian Redmond, Ron Ritter, John Jester, and Bob Matthias

**Members Absent:** Lisa Johnson

**Staff:** Conrad Spangler, DMME Director; Cathie France, DMME Deputy Director for Energy Policy; Al Christopher, DMME Division of Energy Director; Ken Jurman, DMME Renewable Energy Manager; Kerri Nicholas, Assistant Attorney General; George Hagerman, Virginia Tech Advanced Research Institute; Jonathan Miles, Virginia Center for Wind Energy at JMU

**Guests:** Joris D. Benninga, Founding Partner-Project Management, Real NewEnergy; Bob Schulte, Managing Consultant-Wind Project Development, Ecofys; Tom McNeilan, Vice President-East Coast Regional Manager, Fugro Atlantic

**APPROVAL OF MINUTES**

The Chair called for a motion to approve the February 15, 2012, minutes as presented. The minutes were unanimously approved.

**POSEIDON-ATLANTIC PROJECT OVERVIEW**

**Presenter: Joris Benninga**

Joris Benninga presented an overview of the Poseidon Atlantic Wind Test Laboratory project along Virginia's Eastern Shore in Northampton County. This will be the first facility to test and certify offshore and land-based turbine generators in the United States. Areas covered included wind turbine testing in Virginia; Poseidon Atlantic partners, development activities, main features, preliminary layout; local support development; wind resources LIDAR Study; accessibility; permitting overview; preliminary subsurface investigation; grid interconnection; power sales, marking test site; project development management. The wind test laboratory is projected to be operational in 2013/2014.

## **FUGRO ATLANTIC – SUPPLY CHAIN DEVELOPMENT IN EUROPE**

**Presenter: Tom McNeilan**

Tom McNeilan presented an overview of European offshore wind supply chain development, using Belgium's Thornton Bank wind power farm as the example. He reviewed the challenges associated with creating an offshore wind industry; jacket vs. monopile substructures; project scope; supply chain and logistics; jacket production, assembly, transportation, and installation. Among the lessons learned is that an integrated supply chain is the highest need to reduce costs and advance the industry. Experience merged from the East Coast and Great Lakes marine industry, the Northern European offshore wind industry, and the Gulf of Mexico oil and gas industry can help develop the offshore wind industry in the United States.

## **VIRGINIA CALL UPDATE**

Maureen Matsen reviewed responses and comments received to the Virginia Call for Information and Nominations. BOEM received eight commercial nominations and eight comment submissions.

Cathie France informed the Board that the BOEM Virginia Renewable Energy Task Force will meet in Norfolk on Tuesday, May 8<sup>th</sup> to discuss the Virginia Call, including maps, and to provide updates on the Atlantic Wind Connection ROW application, the auction rules, and DMME research lease application. She indicated that if the Board members have any other items they would like discussed at the Task Force meeting to send them to her and she will forward them to Erin Trager at BOEM.

## **VCERC (VT-ATRI & JMU) UPDATE OF SCIENCE AND REGULATORY DELIVERABLES**

Al Christopher provided a written summary and updated members on the two offshore wind projects administered by DMME: 1) Accelerating Virginia's Offshore Wind Economic Development (VT-ARI) and 2) Virginia Offshore Wind Advanced Technology Demonstration Site Development (JMU). The final reports, which are due May 30, 2012, will be made public and shared with VOWDA.

### Project 1 - Task 6 – Workforce Development:

Ron Ritter asked that George Hagerman coordinate with VOWDA on his proposed supply chain seminar for strategic planning managers at Virginia shipbuilding and repair yards and at Port logistics/transport companies.

## **DMME FUNDING OF OFFSHORE WIND RESEARCH AND DEVELOPMENT**

As requested at the January 10, 2012, meeting, the VOWDA small work group provided suggestions for the possible uses of the proposed \$500,000 DMME funding for research and development to accelerate and assist private development of the Virginia WEA. It was recommended the focus be on data collection (fund LIDAR-CLT) and/or characterization of WEA site (subsurface).

1. Fixed, vertical-profiling LIDAR on CLT  
There was a discussion but no board action regarding whether to involve members of the Virginia Congressional delegation in the effort to preserve CLT as a federally owned and operated asset so that it could continue to serve as a platform for data collection that could expedite development of the offshore wind resource and provide unique value to the Virginia WEA.
2. Cost Share for Advanced Technology Demonstration Projects (DOE FOA)
3. WEA Geophysical Surveys
4. Wind Data Acquisition Assistance

Al Christopher reviewed the options under consideration by DMME.

1. Cost Share for Advanced Technology Demonstration Projects (DOE FOA)
2. Continuing Technical Support Assistance / Consulting Services from VCERC universities to provide technical expertise not available at DMME
3. WEA Geophysical Surveys

After discussion, each VOWDA member provided feedback to staff on the DMME proposals. The consensus was to recommend the FOA Cost Share and WEA Surveys proposals.

## **VOWDA ACTION WORK PLAN UPDATE**

Cathie France recommended that VOWDA focus on 2 items in the Action Work Plan.

### Item 3.00 – Engagement with other groups interested in offshore wind development in Virginia:

- Be proactive in wind legislation for the next GA session. Send ideas to Bob Matthias and Ron Ritter, who will coordinate.
- It was agreed that a VOW Coalition update will become a standing agenda item for future VOWDA meetings.
- Delegate John Cosgrove and Senator Frank Wagner have expressed an interest in attending VOWDA meetings. Ron Ritter will inform them of the next meeting date.

Item 7.00 – Promotion of Virginia’s unique attributes and readiness for offshore wind: Coordinate effort and start working to develop VOWDA brochure for AWEA October 2012 conference in Virginia Beach. Brian Redmond and Bob Matthias will take the lead on this project.

## **UPDATE ON DOE FUNDING ANNOUNCEMENT: OPPORTUNITY FOR ADVANCED DEMONSTRATION PROJECTS**

Cathie France reported that the FOA application is due by May 31, 2012. \$180 million in funds will be awarded. It is extremely competitive. DMME recommends that a portion of the \$500,000 funding could be used as matching funds, which would be helpful to the applicant and show the state's commitment.

## **PUBLIC PARTICIPATION / COMMENTS IN VOWDA MEETINGS**

Draft copies of any proposed VOWDA comments/letters will be marked as "Draft" and made available to the public at VOWDA meetings. Electronic versions of the final drafts to be discussed by the VOWDA Board also will be posted on the VOWDA website.

## **NEXT MEETING DATE**

The next meeting is scheduled for June 26, 2012, at 10 a.m., location to be announced.

## **ANNOUNCEMENTS**

Jon Miles announced that James Madison University will host the 2012 State Wind Energy Symposium to be held on June 20-22 on the East Campus. The goal of the symposium is to inform stakeholders and other interested parties about the progress of wind power made in the region over the past few years and opportunities for the future. The symposium will address timely issues pertaining to wind power development in Virginia and throughout the Mid-Atlantic Region, through a series of workshops and panel discussion. He also offered to host a future VOWDA meeting at JMU.

Bob Matthias reported he was going to attend the April 24, 2012, BOEM public meeting in Norfolk (representing City of Virginia Beach) regarding the Draft Programmatic Environmental Statement for the Atlantic OCS proposed geological and geophysical activities in the Mid- and South Atlantic Planning Areas. The proposed action is to permit geological and geophysical activities in support of oil and gas exploration and development, renewable energy, and marine minerals.

## **PUBLIC COMMENTS**

Dan Ancona (Princeton Energy Resources International) commented on the use of DMME funding. He thinks it's critical to keep the CLT going for two more years to install LIDAR and collect wind data. There is a lack of wind resources in this area and getting measurements should be a high priority.

Tom McNeilan (Fugro) said that DOE Offshore Wind Manager Chris Hart received 60 letters of interest to the FOA. He said that we need to recognize that the CLT is a 50-year old structure that hasn't been maintained.

## **ADJOURNMENT**

The meeting adjourned at 2:00 p.m.