



## OFFSHORE WIND ENERGY WORKSHOP



### SCHEDULE and AGENDA

#### Thursday, March 25

7:30 – 8:00 a.m.

Registration/Continental Breakfast

Keck Lobby

#### **MORNING PLENARY SESSION** Keck

100

8:00 – 8:10 a.m. Welcome and Workshop Schedule

- VADM James Card (USCG, Ret.), Presiding

8:15 – 9:00 a.m.

[Overview: What MMS Wants from the Workshop](#)

- John Cushing, MMS Senior Technical Advisor

9:00 – 9:45 a.m.

[“The Role of CVAs in Offshore Wind Projects: Charting a Course”](#)

- Dr. Malcolm Sharples, Offshore Risk & Technology Consulting, Inc.

9:45 – 10:00 a.m.

Break

10:00 – 10:45 a.m.

#### **PANEL A: *Safety Principles for Construction & Operations***

Moderator: Ali Mosleh, University of Maryland

Speaker: [Alberto Morandi, American Global Maritime](#)

Discussants: [S. Douglas Devoy, Matthews Daniel Company](#)

James Magill, U.S. Coast Guard

David Wisch, Chevron Energy Technology Company

10:50 – 11:50 a.m.

**PANEL B: *The CVA Process: How Can It Be Adapted for Offshore Wind Projects?***

Moderator: Jeremy Firestone, University of Delaware

Speakers: [Peter Casbarian, Casbarian Engineering Associates](#)  
[Kent Dangtran, Dangtran OTC, LLC](#)  
[Ken Richardson, American Bureau of Shipping](#)

12 Noon – 1:00 p.m.

**PANEL C: *What Existing Standards Are Available and Could Be Applied or Adapted?***

Moderator: David Wisch, Chevron Energy Technology Company

Speakers: [Dan Dolan, MMI Engineering](#)  
[Matthias Laatsch, Germanischer Lloyd](#)

- [Guideline for the Certification of Offshore Wind Turbines](#)
- [Standard Design of Offshore Wind Turbines](#)

[Sean Verret, Energo Engineering](#)

1:15 – 2:00 p.m.

Lunch in Breakout Rooms      As      Assigned

## **AFTERNOON BREAKOUT SESSIONS**

Each of the four breakout groups are asked to review existing data and information on the given subject presented in the plenary session and reach a general understanding of how critical the issue is and what needs to be done in order to develop an effective and efficient process (using the CVA approach) for assuring safe operating environments for US offshore wind energy projects in the future. Specific questions include:

- What did participants learn from the presentations at this workshop?
- What other substantive studies have been done on the subject and what information is available from other sources?
- How critical is this issue to designing an effective CVA process?
- What information is missing and how can it be obtained?
- What important tasks should MMS undertake in the near term?

2:15 – 5:15 p.m.

### **Breakout Discussion Groups**

**Group 1: CVA Role and Qualifications                      Keck                      100**

**Leader:** Jeremy Firestone, University of Delaware

Rapporteur: Joedy Cambridge

**Description:** This group will continue and expand discussion of the topic introduced by Panel B regarding how the CVA process now used by the MMS for offshore oil and gas development and production projects can be adapted for offshore wind projects. It will explore the role that a CVA might have in developing and applying minimum standards for the design, construction and operation of wind energy platforms and complete systems; how the standards and operating requirements might be selected; what process might be used to review designs, inspect systems and enforce requirements; and what qualifications a CVA would need to have in order to be so designated by MMS.

**Group 2: Standards and Practices                      Keck                      101**

**Leader:** Judith Harris, City of Portland, ME

Rapporteur: Jill Wilson

**Description:** This group will continue and expand discussion of the topic introduced by Panel C regarding what existing design, construction and operation standards are available from various sources within and outside the United States and could be applied or adopted for use in offshore wind energy development projects. It will explore appropriate standards in use in other regions or the world for similar projects as well as those in use in other industries that have similar requirements and functions. It will identify where additional or new standards for wind energy projects need to be developed, tested or proven effective and useful.

**Group 3: METOcean Data to Define Maximum Design                      Keck 109**  
**Conditions**

**Leader:** Steven Barnum, Hydrographic Consultation Services

Rapporteur: Peter Johnson

**Description:** This group will explore questions related to the availability and applicability of MET-ocean data (winds, waves, currents, storms, etc) needed for setting design conditions for offshore wind energy systems. It will review whether sufficient data are available and whether new data collection and analyses would be needed for the specific regions where projects might be proposed. It will consider the question of maximum storm conditions that should be used for system requirements.

**Group 4: Other System Design and Performance Concerns      Keck 110**

**Leader:** David Wisch, Chevron Energy Technology Company

**Rapporteur:** Beverly Huey

**Description:** This group will review and identify certain remaining system design and performance factors unique to offshore wind energy developments that might raise safety concerns and/or create risks to human health or the environment – factors that should be subject to setting minimum standards and safe practices. Among those factors that may be included are: turbine certification practices and their applicability to US offshore projects; safety practices for operation and maintenance of wind generator systems; storm shutdown practices; topside structural designs.

5:30 – 7:00 p.m.

**3<sup>rd</sup> Floor Atrium**

**RECEPTION and BUFFET**

**Friday, March 26**

7:30 – 8:15 a.m.

Continental Breakfast

**Keck Lobby**

**MORNING PLENARY SESSION      Keck**

**100**

8:15 – 8:30 a.m. Review of the Schedule

- VADM James Card (USCG, Ret.), Presiding

8:30 – 10:00 a.m.

**Report Outs from Breakout Groups**

Group 1: [CVA Role and Qualifications](#)

Group 2: [Standards and Practices](#)

Group 3: [METOcean Data to Define Maximum Design Conditions](#)

Group 4: [Other System Design and Performance Concerns](#)

10:00 – 10:15 a.m.

Break

10:15 – 11:15 a.m.

**[MMS Response/Reaction](#)**

Comments and Q&A with Audience

11:15 – 12 Noon

**Wrap-Up and Next Steps**

12 Noon

**ADJOURN**