



Offshore Wind Skills Academy

January 2020

at the University of Delaware

OWSA will offer our comprehensive development course in January 2020. This is an intensive 3-day session of “Professionals Teaching Professionals.” Audience includes those expanding their scope or responsibilities in their company, as well as suppliers, financiers, state officials making decisions on offshore wind, those seeking to enter the industry, and others. (We are not providing training for trades.) Instructors have deep experience in the OSW industry. The January offering is below. To Register: pcs.udel.edu/wind



Course offered 27-29 January 2020:

Project Development from A to Z

Project Development from A to Z (3 days, intermediate-advanced)

Day 1 — Jan 27

Morning:

- Overview of Industry; terms & units used here (Willett Kempton, University of Delaware);
- The US market today (Stephanie McClellan, Special Initiative on Offshore Wind)
- Wind Auctions for the Outer Continental Shelf (Jim Bennett, BOEM);
- Offshore Wind Auction Exercise (Jim Bennett)

Afternoon:

- The World Offshore Wind Market (Kaj Lindberg, A2Sea & K2 Management)
- How to Write a Power Purchase Agreement (Jordan Shoesmith, Vineyard Wind);
- Project Financing (Jordan Shoesmith, Vineyard Wind);
- Project Logistics, Harbor Specifications (Kaj Lindberg, A2Sea & K2 Management)

Evening: Reception

Day 2 — Jan 28

Morning:

- Determining LCOE —Levelized cost of energy (Deniz Ozkan, Mayflower Wind)
- LCOE Spreadsheet, exercise calculating big vs small effects on energy cost (Deniz Ozkan)
- Public communications and Community Engagement (Lauren Burm, Ørsted North America);
- Stakeholder relationships (Kris Ohleth, Ørsted North America)

Afternoon:

- Grid Interconnection (Deniz Ozkan, Mayflower Wind)
- Building a Project – In Reality (Kaj Lindberg)
- European lessons: Vessels, Vessel Logistics, Time Optimization, Supply Chain (Kaj Lindberg)
- Offshore Wind Turbine principles, IEC classes (Lars Høst Johansen, Ørsted, Denmark);

Day 3 — Jan 29

Morning:

Offshore Wind Turbines, Foundation, and Balance of Plant (Lars Høst Johansen, Ørsted)
O&M Planning and Operations (Lars Høst Johansen)
Safety, GWO Courses and Certificates (Lars Høst Johansen)

Afternoon:

Decommissioning (Lars Høst Johansen);
US Sourcing; local sourcing policies; options for US foundations (Tim Mack, EEW SPC—Invited)
Geotechnical Site Investigation (John Madsen, University of Delaware)
Video reviewing the installation process; course discussion (Willett Kempton)

Course Tuition and Registration

Fee \$800 per day including light breakfast, catered lunch, and course materials.

A certificate is provided upon completion.

Registration at this link: pcs.udel.edu/wind

For questions, or help with registering, call Rebecca Cox (302) 831-2336 or rlcox@udel.edu

Instructor and attendee companies for identification only. Content may change from outline above. All text and photos © 2019, U. of Delaware



Previous participants from: Delaware Department of Natural Resources and Environmental Control; Division of Climate, Coastal, and Energy; DC Department of Energy and Environment; EDF-Renewables; MARACOOS; National Renewable Energy Laboratory; NY Workforce Development Institute; Ørsted North America; Special Initiative on Offshore Wind; Stakeholder Forum for a Sustainable Future (NY Rep. to the United Nations); United States Coast Guard; US Department of Energy; Vineyard Wind.

OWSA Advanced Development class, March 2019

