

Evaluation of Hydrodynamics Modeling & Implications for Offshore Wind Development: Nantucket Shoals: Meeting #2

June 1, 2023

Keck Center, Room 101 (500 5th St NW, Washington DC 20001)

THURSDAY, JUNE 1, 2023

Purpose

Information gathering and discussion regarding the committee's statement of task.

9:00–9:15

Welcome, Introductions, and Statement of Task

Kelly Oskvig, Study Director

Eileen Hofmann, Committee Chair

9:15–10:00

Oceanography of the Nantucket Shoals

30 min presentation + Q&A

Glen Gawoarkiwitz, Woods Hole Oceanographic Institution

10:00–10:45

Potential Changes in Ecosystems Dynamics / Prey Field from Offshore Wind Turbine in the Nantucket Shoals Region

30 min presentation + Q&A

Jeffrey Runge, University of Maine

10:45–11:15

BREAK

11:15–12:30

European Perspective on Offshore Wind Turbine Effects on Hydrodynamics and Associated Ecosystems Changes

20 min presentations + Q&A

Göran Broström, University of Gothenburg

Ute Daewel, Helmholtz-Zentrum Hereon

Ariana Zampollo, University of Aberdeen

12:30–1:15

LUNCH

1:15–3:15

Hydrodynamic Models (How do Methods, Assumptions and Conclusions Translate to the Nantucket Shoals Region)

30 min presentation + Q&A

FVCOM – Changsheng Chen, UMASS Dartmouth (30 min)

MIKE/DHI – Ole Petersen and Tom Johnson, Danish Hydraulic Institute (30 min)

Meeting Agenda Title

Delft3D – Yorick Broekema, Deltares (30 min)

3:15–3:30 BREAK

3:30–4:15 Atmospheric Modeling for Wind Turbines –Wind Turbine Effects on the Wind Stress

30 min presentation + Q&A

Cristina Archer, University of Delaware

4:15–5:30 Industry Perspective on the Committee’s Task

20 min presentations + Q&A

Ruth Perry, Shell Renewable and Energy Solutions

Seth Kaplan, Ocean Winds

Laura Morse

5:30 MEETING ADJOURN