

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

June 1, 2023

Keck Center, Room 101 (500 5<sup>th</sup> St NW, Washington DC 20001)

## THURSDAY, JUNE 1, 2023

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### 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 Gwoarkiwitz, 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**