New York State Maritime Technical Working Group (M-TWG)
Update for Harbor Safety, Navigation, and Operations Committee
November 18, 2020
Maritime Technical Working Group (M-TWG)

GOALS
- To provide a forum for stakeholder discussions focusing on safe navigation of vessels to/from NY/NJ Harbor during all phases of offshore wind development
- Support the state’s efforts to meet its offshore wind goals

Led by NYSDOS
Michael Snyder
Michael.Snyder@dos.ny.gov

Laura McLean
Laura.McLean@dos.ny.gov

Technical Support from BTMI-COWI
Brent Cooper
brco@cowi.com

Maria Grønnegaard
mgnn@cowi.com
COWI Introduction and Background

Brent D. Cooper, P.E.
› Project Manager & U.S. East Coast Offshore Wind Sector Lead
› 13 years experience with coastal / waterfront / offshore engineering

Maria Grønnegaard
› Lead Technical Specialist, Risk Analysis, COWI International
› 7 years experience with navigation risk assessments

International Consultancy with approx. 7,400 employees

2019 net turnover: 1B USD

World-class competencies within engineering, economics and environmental science

Independent – owned by the COWI Foundation and employees

87 years of history
Stakeholder Survey – Marine Commerce Trends and Issues Related to Offshore Wind
Vessel Traffic Trends in and around New York Harbor

› Vessel Quantity
› Vessel Size
› Harbor Infrastructure and Vessel Size Limitations
› Short Sea Shipping
Vessel Traffic and Operations

› Traffic Controls
  › TSS
  › VTS
  › SMA
› Operational Areas
  › Kill van Kull
  › Hudson River
› Access to Tugs
› Vessel Supplies
Opportunities and Open Feedback

› Detailed OREI Procurement Process
› Continuing PARS
› Maritime Workforce Training
› Support for Shipyards
Offshore Wind Literature Review

- Basis of Literature Review
- Evaluation, Assessment, and Management of Navigational Safety and Risk
- Adjusting to Advances in Technology and New Information
- Electrical Transmission System
Offshore Wind Literature Review

Basis of Literature Review

› International guidelines (IMO, UNCLOS, PIANC, IALA)
› U.S Publications from USCG and BOEM
› North Sea country guidelines (UK, Netherlands, Denmark, Germany)
› Navigation Risk Assessment for offshore windfarms
  › U.S.: Block Island, South Fork, Vineyard Wind
  › North Sea: Horns Rev, Kriegers Flak
Evaluation, Assessment, and Management of Navigational Safety and Risk

- Evaluation of Navigation Risk Changes
- Navigation Safety in WEAs and Cumulative Impacts
- Risk Acceptance
- Set-Back Distance between Transit Lane and OREI
- Anchorage Areas
- Radar Interference
- Service/project vessel impact
- Construction and operational safety zones
- Aids to Navigation
Evaluation, Assessment, and Management of Navigational Safety and Risk

› Evaluation of Navigation Risk Changes
  › NRA is required in North Sea countries
  › IMO Formal Safety Assessment

› Risk Acceptance

› Navigation Safety in WEAs and Cumulative Impacts
Thank you

Brent D. Cooper, BRCO@COWI.com
Maria Grønnegaard, MGNN@COWI.com
M-TWG Summary Report & Next Steps

- Developer Roundtables (Aug 2020)
- Report posted to NYSERDA’s website
- Next steps:
  - Expanded coordination with offshore wind industry
  - Informing management options
M-TWG Questions?

Michael Snyder
Ocean and Great Lakes Program Manager
Michael.Snyder@dos.ny.gov

Laura McLean
Coastal Energy Review Specialist
Laura.McLean@dos.ny.gov

For more information, visit:
https://www.nyserda.ny.gov/All-Programs/Programs/Offshore-Wind/Focus-Areas/Connecting-With-New-Yorkers/Technical-Working-Groups