

Sunrise Wind

A Joint Venture of Ørsted and Eversource

10.28.2021
E-TWG Meeting

**Sunrise
Wind**

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Agenda

- 01 Project Updates
- 02 eNGO Scoping Comments
- 03 Fisheries and Benthic Monitoring Plan
- 04 Future Plan Review

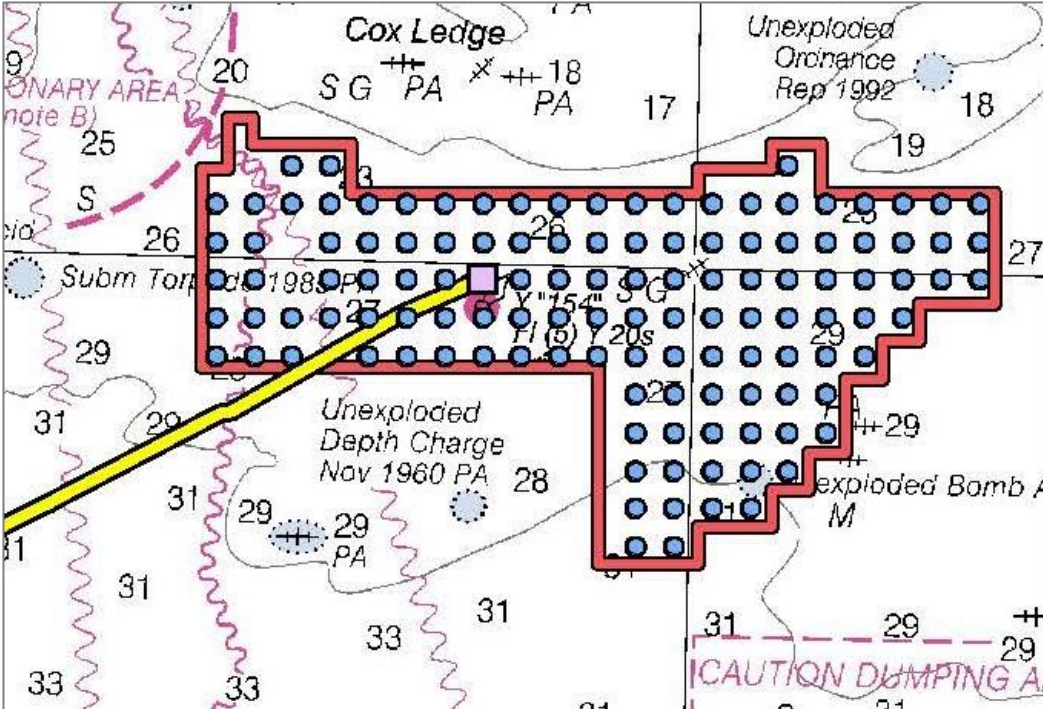
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PROJECT UPDATE

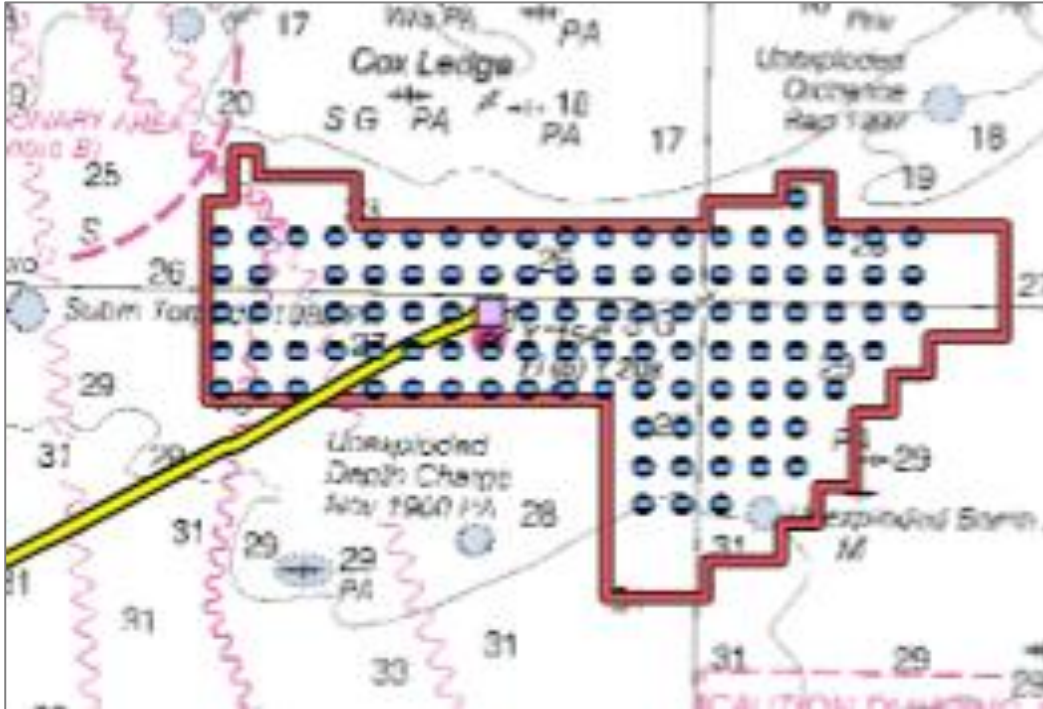
Project Updates (Since 8/17/2021 Meeting)

- 924 to 1,122 MW
- 11 MW WTGs
- Up to 102 Wind Turbine Generators (WTG)

Previous Layout



Current Layout



Permitting Overview and Status (since 8/17/2021 Meeting)

NOI Issued August 31, 2021

- COP Posted on BOEM [website](#)
- Update/Supplemental filings planned for October/November 2021
- DEIS: October 2022

Other Federal Permit Applications to be filed in 2021 and 2022

- Schedule Posted on [FAST-41 Dashboard](#)
- NPS: ROW, Temp Construction: Submitted September 2021
- EPA NPDES 316(b)- December 2021
 - Draft Permit Public Notice- August 2022
- NMFS ITA- May 2022
 - Public Notice- June 2022
- EPA: OCS Air Permit- October 2022
- USACE 404/10/408- August 2022
 - Public Notice- October 2022 (with DEIS)

Cooling Water Intake System (CWIS) – Protective Design and Operational Elements

→ Intake Pipes

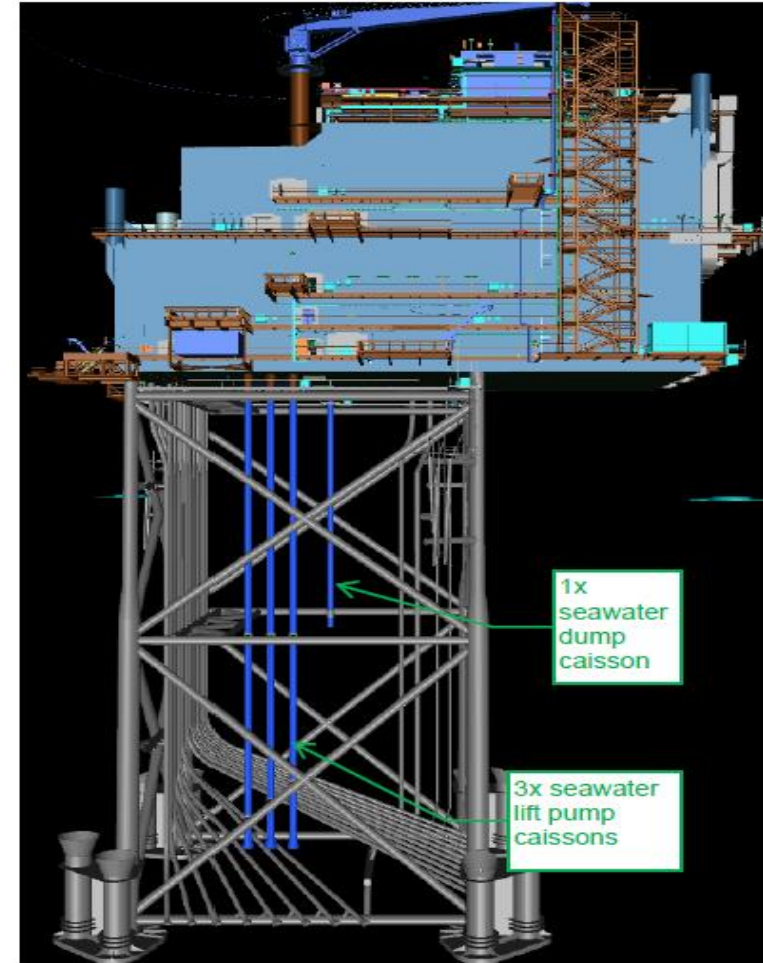
- Sited in water column (10 m from sea floor)
- Hydraulic modelling to define zone of influence
- **Avoid benthic resources**

→ Seawater Lift Pumps

- Ability to control flow rate
- **Minimize zone of entrainment for eggs and larvae**
- Maintain intake velocities less than 0.5 ft/s
- **Eliminate impingement of juvenile/adult fish**

→ Dump Caisson

- Single vertical outlet at 40 ft (12m) below sea surface
- Thermal plume modelling to define mixing zone
- **Minimize mixing zone**



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eNGO Scoping Comments

eNGO Scoping Comments Discussion

Submitted by National Wildlife Federation, Natural Resources Defense Council, National Audubon Society, Conservation Law Foundation, All Our Energy, Audubon New York, Connecticut Audubon, Mass Audubon, Nassau Hiking & Outdoor Club, New Jersey Audubon, New York City Audubon Society, Northern Catskills Audubon Society, NY4WHALES, Ocean Conservation Research, Onondaga Audubon, Seatuck Environmental Association, Surfrider Foundation, and Whale and Dolphin Conservation

October 04, 2021

Submitted Electronically at [regulations.gov](https://www.regulations.gov)

Docket ID: BOEM-2021-0052

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FISHERIES AND BENTHIC MONITORING PLAN

Fisheries and Benthic Monitoring Plan

Overview

- Plan intended to facilitate a regional approach to monitoring and was informed by fisheries-dependent and fisheries-independent data, as well as monitoring guidelines and priorities
- Draft Plan has been sent to NMFS, BOEM, RIDEM, NYSDOS, NYSDEC, NYSDPS, MADMF, MACZM, NYSERDA F-TWG, NYSERDA E-TWG for review and meetings held with these groups in August and September. The draft plan was provided to RICRMC staff on October 8, 2021.
- Comments are being incorporated and a revised Plan is being drafted to be submitted to RICRMC in Nov
- Final Plan to be submitted to BOEM upon incorporation of any final comments
- Some surveys expected to begin in Q1 2022

Discussion on overarching comment themes

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Future Plan Review

Avian and Bat Monitoring Plan

Conceptual Avian and Bat Monitoring Framework

- Actively working on developing with BRI
- Brief document describing each monitoring component
- Anticipate sharing Framework with stakeholders in Q4 2021 or Q1 2022 and separate meeting(s) to be scheduled soon thereafter to solicit feedback on approach
- To be submitted to BOEM for inclusion in the DEIS

Detailed Post-Construction Monitoring Plan

- Additional stakeholder feedback to be solicited prior to submission to BOEM
- Plan to be approved by BOEM prior to construction



Marine Mammals

Long Term PAM Monitoring Plan

- Pre-, During, Post- construction PAM monitoring per anticipated agency requirements
- Scientific Review Group (lead Syracuse and SEA)
- Schedule for Plan development, review and stakeholder distribution TBD

Protected Species Monitoring and Mitigation Plan

- To be included in NMFS ITA Application (May 2022) and inclusion in DEIS (Oct 2022)
- Core Components:
 1. Exclusion and monitoring zones
 2. Ramp-up/soft-start procedures
 3. Shut down procedures (if technically feasible)
 4. Qualified and NOAA Fisheries-approved PSOs
 5. Noise attenuation technology
 6. PAM systems (fixed and mobile)
 7. Reduced visibility monitoring technologies (e.g. night vision, infrared and/or thermal cameras)
 8. Adaptive vessel speed reductions
 9. Utilization of software to share visual and acoustic detection data between platforms in real time
- Stakeholder review upon NMFS Public Notice in FR (June 2022)

THANK YOU

Contact Us

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