

**Environmental Mitigation Plan**  
**for**  
**NY Nacelle SCIP Facility**  
**Version 1.0**

Prepared pursuant to



with

**New York State Energy Research and Development Authority**  
Albany, NY

Prepared by  
**Siemens Gamesa Renewable Energy**

11950 Corporate Blvd Orlando, FL, 32817



**2023**

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<b>Communication Officers, Contact Information, Links</b>		
<b>Name/Title</b>		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

### **Links to project information:**

<https://www.siemensgamesa.com/newsroom/2023/02/021323-siemens-gamesa-press-release-new-york-offshore-nacelles-facility>

Appendix Document "DRAFT ENVIRONMENTAL IMPACT STATEMENT"

## 1. Environmental Mitigation Plan Summary

### 1.1 Overall philosophy and principles

The overall philosophy and principles of this Environmental Mitigation Plan for the SGRE SCIP facility will follow the philosophy and principles of the respective Environmental Mitigation Plan of the Developer to avoid, minimize, restore, and off-set potential environmental impacts. It is SGRE's intent to further develop the plan, in collaboration with and respecting the interests of NYSEDA and the state of New York upon selection SGRE as a partner to develop the referenced facility.

Siemens Gamesa's proposed facility is envisioned specifically to create opportunity for New York and serve the local community. This can only be realized through collaboration with community stakeholders, and by respecting and supporting the environment in which we operate. Therefore SGRE fully expects to continue to develop planned environmental mitigation activities once the project moves to a more mature stage with NYSEDA and the state of New York.

### 1.2 Overall approach to incorporating data and stakeholder feedback

Siemens Gamesa recognizes and respects the importance of transparency and collaboration with regards to our Environmental Mitigation activities. In addition to above mentioned approach, details on the Overall approach to incorporating data and stakeholder feedback can be found in the appendix document in 1.5 List of Involved Agencies and Approvals (p. 12) and 1.6 List of Interested Agencies and Approvals (p. 13). SGRE intends to continue to evaluate and incorporate stakeholder feedback throughout the development process for its proposed facility.

### 1.3 Existing guidance and best practices that will be followed

The key supporting (appendix) document for this Environmental Mitigation Plan is the 120 page "DRAFT ENVIRONMENTAL IMPACT STATEMENT "P&M Offshore Wind Infrastructure Project (POWI)" Town of Coeymans, Albany County, New York" from Dec. 2021. In addition, SGRE has significant experience establishing Offshore component production facilities in coastal environments around the world, as well as Onshore component production facilities in the United States. In all cases, SGRE has partnered with local communities and relevant agencies to comply with local regulations and meet expectations of our stakeholders. SGRE's global Operations, HSE, and Sustainability organizations will ensure that global best practices are applied to our development activities in New York.

## 2. Communications and Collaboration Approach

### 2.1. Overview and communication plan objectives

Siemens Gamesa recognizes the importance of transparency and collaboration with the communities in which we operate. In its global network of production facilities, service hubs, R&D centers, and administrative offices, SGRE has enjoyed an excellent history of positive working relationships with our external stakeholders.

Throughout the development, construction, and operation phases of our planned facility, Siemens Gamesa commits to:

- Employ methods and processes that allow for a two-way flow of information between key stakeholders and Siemens Gamesa, using this feedback to inform decision making.
- Provide updates to environmental stakeholders in an easily accessible manner.

### 2.2. Communication officers/positions, responsibilities, and contact information

This section provides a list of communication officers, their role, and name and contact information. A project website will be established at a later point in time, if applicable, following our press release (<https://www.siemensgamesa.com/newsroom/2023/02/021323-siemens-gamesa-press-release-new-york-offshore-nacelles-facility>)

[REDACTED]	[REDACTED]	[REDACTED]
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[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

### 2.3. Identification of stakeholders

SGRE has identified already following stakeholders in State Agencies, Local bodies and Environmental groups following a pre-defined process using local, state and federal sources moderated by an external consultancy and will continue this process with further maturation of the project.

Town of Coeymans Planning/Zoning Board of Appeals

18 Russell Avenue

Ravena, NY 12143

- Site Plan Approval

NYSDEC Division of Environmental Permits

625 Broadway, 4th Floor

Albany, New York 12233-1750

- Article 15 Protection of Waters Permit
- NYSDEC SPDES Permit GP 20-001 for Stormwater Discharge associated with a

Construction Activity

- NYSDEC Multisector SPDES Permit GP 17-004
- Section 401 Water Quality Certification
- Environmental Conservation Law Article 11 Part 182 Incidental Take Permit
- Mining Permit Modification Application (If needed for the importation of borrow material to an off-site mine, see Potential Significant Environmental Impacts Section 3.1 "Land.")

New York State Department of State

One Commerce Plaza

99 Washington Ave

Albany, NY 12231

- Federal Consistency Review Pursuant to 15 CFR Part 930, Subpart D

New York State Office of Parks, Recreation, and Historic Properties

625 Broadway

Albany, NY 12207

- Section 106 of the National Historic Preservation Act and Section 14.09 of the New York State Historic Preservation Act Consultation
- Consultation regarding Schodack Island State Park for off-site mitigation

NYS DOT Region 1 Traffic & Safety

50 Wolf Road

Albany, NY 12232

- Highway Permit

New York State Office of General Services (OGS)  
Real Estate Center, Real Estate Services  
Empire State Plaza, Corning Tower-39th Floor  
Albany, NY 12242

P&M Offshore Wind Infrastructure Project (POWI)  
Draft Environmental Impact Statement Page 13

Albany County Department of Health  
175 Green Street  
Albany, NY 12202

- Approval for proposed water distribution / backflow devices and sanitary sewer connection.

United States Army Corps of Engineers (USACE)  
Upstate New York Field Office  
1 Buffington Street, 3rd Fl North  
Watervliet, NY 12189-4000

- Section 10 Individual Permit
- Section 404 Permit

NOAA's National Marine Fisheries Service  
Protected Resources Division  
55 Great Republic Drive  
Gloucester, MA 01930

- Essential Fish Habitat and Section 7 ESA Consultation

United States Coast Guard, Atlantic Area  
Sector New York  
2121 Coast Guard Drive  
Staten Island, NY 10305

Greater Atlantic Regional Fisheries Office  
55 Great Republic Drive

NOAA Fisheries Service  
Gloucester, MA 01930

Hudson River Pilots Association  
201 Edgewater Street  
Staten Island, NY 10305

United States Fish and Wildlife Service  
3817 Luker Road  
Cortland, NY 13045-9385

P&M Offshore Wind Infrastructure Project (POWI)  
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Albany County Planning Board  
449 New Salem Road  
Voorheesville, New York 12186  
• Advisory recommendation pursuant to NYSGML Section 239 1 & m

Albany County Department of Public Works  
449 New Salem Road  
Voorheesville, New York 12186

Village of Ravena  
15 Mountain Road  
Ravena, NY 12143  
• Water Supply

## **2.4. Participation in stakeholder and technical working groups**

### **2.4.1. Communication with E-TWG**

Siemens Gamesa recognizes the importance to NYSERDA and the state of the New York of collaboration with the Technical Working Groups. SGRE intends to collaborate with, and allocate Project-specific technical resources to the E-TWG as requested by NYSERDA and/or our Developer partner.

To the extent possible and relevant, Siemens Gamesa will work with the E-TWG and attend E-TWG meetings and workshops.



#### 2.4.2. Communication with other New York State agencies

Siemens Gamesa will support communications with other state agencies as requested by NYSERDA and our Developer partner.

#### 2.4.3. Communication with other stakeholder and working groups

Siemens Gamesa will continue to collaborate with other regulatory agencies and stakeholder groups and consider memberships and participation in such collaborative efforts (e.g., E- TWG, F-TWG, ROSA, RWSE, etc.) upon selection of SGRE as a partner in New York.

#### 2.4.4. Communication and collaboration with other developers

Not Applicable to SGRE

#### 2.5. Communication methods and tools by phase

This section describes the communication and outreach methods and tools that will be employed for each stakeholder group during each phase of the project.

Proposed Outreach Method/Tools	Phase*			
	1	2	3	4
Press releases	X	X	X	X
Townhall / In-person meetings on local level	X	X		X
Bi-directional contact (Mail, online platform, etc.)	X	X	X	X
<i>*Phase: 1: Survey/Design; 2: Construction; 3: Operation; 4: Decommission</i>				

### **3. Supporting other Research**

#### **3.1. Support of collaborative research**

SGRE recognizes that the state of New York seeks to lead in the renewable energy space, not just by procuring energy from renewable sources, but also through research and continuous improvement in the industries impact on the environment. Siemens Gamesa will collaborate with our developer partner and NYSERDA where relevant and practicable toward the goal of being an active member of regional science organizations.

#### **3.2. Handing/processing requests**

SGRE supports collaboration with the scientific community and seeks to be an active member as we are in other areas of the world in which SGRE operates. Requests for coordination with third-party scientists will be handled through SGRE's Communications organization, and relevant internal stakeholders will be engaged where necessary.

#### **3.3. Data availability**

Siemens Gamesa will review data requests submitted through our Communications organization and provide relevant data where appropriate and possible.

#### **3.4. Proposed restrictions**

SGRE may opt to restrict sensitive data, e.g. trade secrets. Evaluation will be done on a case-by-case basis considering the public as well as SGRE's interests.

#### **3.5. Financial commitment for third party research**

SGRE will evaluate opportunities to make financial contributions to third party research as those opportunities are presented during the development phase of the project.

#### **3.6. Proposed or existing commitments/collaborations**

Not applicable to Siemens Gamesa as SGRE is not a Project Developer

#### **4. Proposed Mitigation of Impacts to Marine Mammals and Sea Turtles**

*This chapter is not applicable for the SGRE NY Nacelle SCIP facility due to the facility's planned location*

## 5. Proposed Mitigation of Impacts to Birds and Bats

### 5.1. Baseline characterization

Baseline data on the presence of bird and bat assemblages, temporal and spatial use of the site by key species within the area of the proposed Project has been established as part of the Environmental Impact Statement.

#### 5.1.1. Available information

As outlined in the appendix following sources have been used:

*National Oceanic and Atmospheric Administration; Fisheries. 2020. Atlantic Sturgeon.*

<https://www.fisheries.noaa.gov/species/atlantic-sturgeon>.

*New York Natural Heritage Program. 2020. Online Conservation Guide for *Elatine americana*.*

<https://guides.nynhp.org/american-waterwort/>.

*New York State Department of Environmental Conservation. 2020. Atlantic Sturgeon.*

<https://www.dec.ny.gov/animals/94251.html>.

*New York State Department of Environmental Conservation. 2020. Bald Eagle.*

<https://www.dec.ny.gov/animals/74052.html>.

*New York State Department of Environmental Conservation. 2020. Indiana Bat: *Myotis sodalis*.*

<https://www.dec.ny.gov/animals/6972.html>.

*New York State Department of Environmental Conservation. 2020. Shortnose Sturgeon.*

<https://www.dec.ny.gov/animals/94231.html>.

*U.S. Fish and Wildlife Service. 2020. Midwest Region Endangered Species: Northern Long-Eared Bat (*Myotis septentrionalis*).*

<https://www.fws.gov/midwest/Endangered/mammals/nleb/index.html>.

*New York State Department of Environmental Conservation. 2014. Tidewater mucket.*

[https://www.dec.ny.gov/docs/wildlife\\_pdf/sgcntidewatermucket.pdf](https://www.dec.ny.gov/docs/wildlife_pdf/sgcntidewatermucket.pdf)

#### 5.1.2. Data collected

Please see previous chapter

### 5.2. Species at risk

Following species have been identified in the appendix (Environmental Impact Statement): The Northern Long-eared Bat *Myotis septentrionalis* & Indiana Bat *Myotis sodalis* and Bald Eagle *Haliaeetus leucocephalus*.

For the chapters 5.3. **Potential impacts/risks and mitigation measures by project stage**, 5.4. **Monitor for impacts during each phase** (incl. 5.4.1. Pre/Post monitoring to assess and quantify changes as well as 5.4.2. Address data gaps) and 5.5. **Strategies for developing alternate protocols** detailed information per species are provided in the appendix document in 3.4 Plants and Animals (p. 39ff.). Additional information can also be found in chapters 1.3 Potential Significant Impacts and Mitigation Measures as well as 1.4 Project Alternatives Considered (p. 9 ff.)

## 6. Proposed Mitigation of Impacts to Fish, Invertebrates and their Habitats

Additional information can also be found in chapters 1.3 Potential Significant Impacts and Mitigation Measures as well as 1.4 Project Alternatives Considered (p. 9 ff.)

### 6.1. Baseline characterization

Baseline data in terms fish and invertebrate assemblage, and temporal and spatial variations in fish, invertebrates and their habitats at the proposed site has been established as part of the Environmental Impact Statement.

#### 6.1.1. Available information

As outlined in the appendix following sources have been used:

*National Oceanic and Atmospheric Administration; Fisheries. 2020. Atlantic Sturgeon.*

<https://www.fisheries.noaa.gov/species/atlantic-sturgeon>.

*New York Natural Heritage Program. 2020. Online Conservation Guide for *Elatine americana*.*

<https://guides.nynhp.org/american-waterwort/>.

*New York State Department of Environmental Conservation. 2020. Atlantic Sturgeon.*

<https://www.dec.ny.gov/animals/94251.html>.

*New York State Department of Environmental Conservation. 2020. Bald Eagle.*

<https://www.dec.ny.gov/animals/74052.html>.

*New York State Department of Environmental Conservation. 2020. Indiana Bat: *Myotis sodalis*.*

<https://www.dec.ny.gov/animals/6972.html>.

*New York State Department of Environmental Conservation. 2020. Shortnose Sturgeon.*

<https://www.dec.ny.gov/animals/94231.html>.

*U.S. Fish and Wildlife Service. 2020. Midwest Region Endangered Species: Northern Long-Eared Bat (*Myotis septentrionalis*).*

<https://www.fws.gov/midwest/Endangered/mammals/nleb/index.html>.

*New York State Department of Environmental Conservation. 2014. Tidewater mucket.*

[https://www.dec.ny.gov/docs/wildlife\\_pdf/sgcntidewatermucket.pdf](https://www.dec.ny.gov/docs/wildlife_pdf/sgcntidewatermucket.pdf)

#### 6.1.2. Data being collected

Please see previous chapter

### 6.2. Species at risk

Following species have been identified in the appendix (Environmental Impact Statement): The Shortnose Sturgeon *Acipenser brevirostrum*, Atlantic Sturgeon - *Acipenser oxyrinchus* as well as American Waterwort - *Elatine americana* and Tidewater Mucket - *Leptodea ochracea*.

For the chapters 6.3. Potential impacts/risks and mitigation measures by project stage, 6.4. Monitor for impacts during each phase (incl. 6.4.1. Pre/Post monitoring to assess and quantify changes as well as 6.4.2. Address data gaps) and 6.5. Strategies for developing alternate protocols detailed information per species are provided in the appendix document in 3.4 Plants and Animals (p. 39ff.) as well as in 3.2 Water Resources (p. 29ff.). Additional information can also be found in chapters 1.3 Potential Significant Impacts and Mitigation Measures as well as 1.4 Project Alternatives Considered (p. 9 ff.)

## **7. Considerations for Subsea and Overland Cables**

*This chapter is not applicable for the SGRE NY Nacelle SCIP facility*

## 8. Additional Considerations

### 8.1. Additional mitigation strategies and EMP refinement

Siemens Gamesa will support collaborative research on potential mitigation strategies and best management practices, in coordination with developers, agencies and stakeholders to the extent commercially reasonable.

### 8.2. Process for updating the EMP

Siemens Gamesa plans to continuously evaluate and evolve this EMP so that all the components of the EMP are complete and sufficient.

Siemens Gamesa expects that additional guidance and information will become available throughout the planning and regulatory process and as such will continue to consider its relevance to the EMP at the appropriate intervals.

Updates to the EMP are intended to reflect the results of iterative exchanges with members of the E-TWG, F-TWG and relevant stakeholders.

Siemens Gamesa plans to update the EMP in a timely manner that reflects changes made based on key regulatory project deliverable dates.

## 9. Project Decommissioning

*This chapter is not applicable for the SGRE NY Nacelle SCIP facility, however information on Decommissioning of Utilities – Water Supply & Wastewater Disposal can be found on p. 75 in the appendix document.*