



NYSERDA

New York Offshore Wind | Spring 2020 Update and Informational Webinar

April 2, 2020 | 10:00 -11:00 am ET

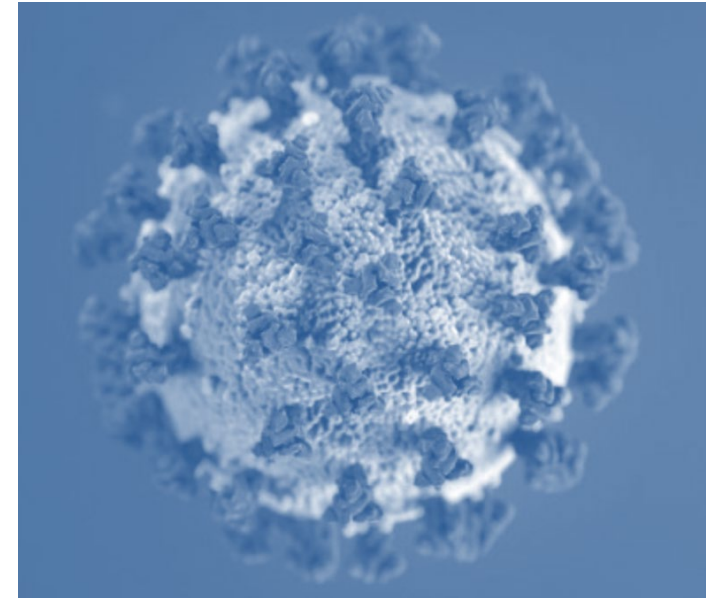
Agenda

10:00-10:05 am	Introductions and Agenda Overview
10:05-10:10 am	President's Remarks
10:10-10:15 am	New York State Novel Coronavirus (COVID-19) Update
10:15-10:20 am	New York Energy Agency Status
10:20-10:30 am	New York's Clean Energy Industry Status
10:30-10:50 am	2020 Offshore Wind Priorities and Updates
10:50-11:00 am	Questions for Offshore Wind Industry and Next Steps

President's Remarks

New York State Response to Novel Coronavirus (COVID-19)

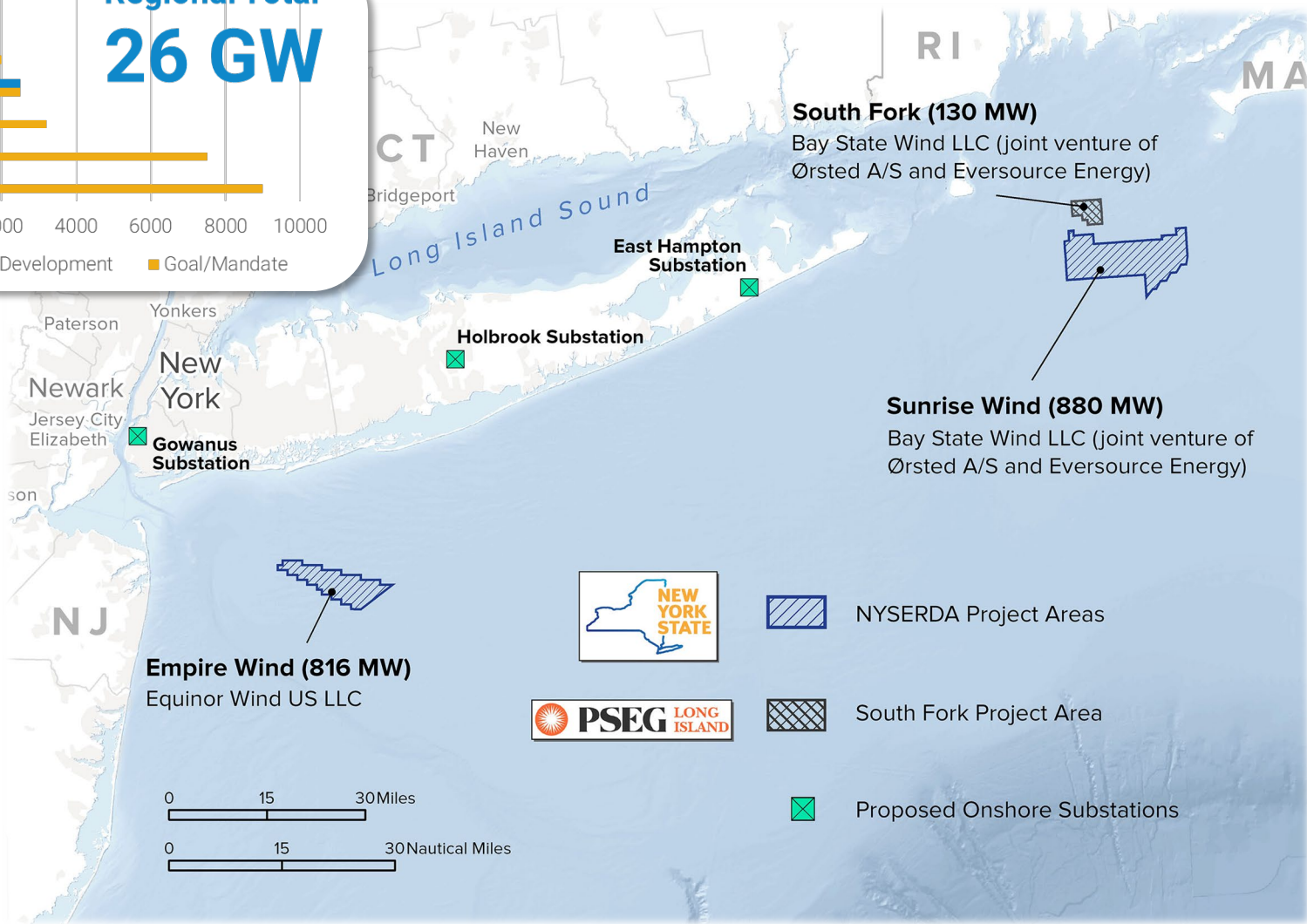
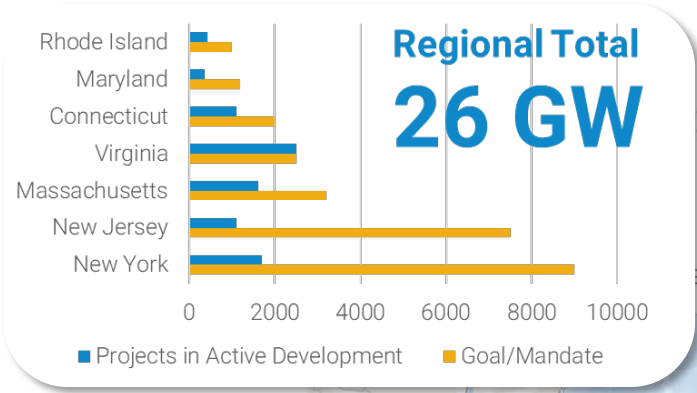
<https://coronavirus.health.ny.gov/home>



New York State “on Pause”: Industry Guidance

- **March 20: Governor Andrew M. Cuomo issued his “New York State on PAUSE” Executive Order, effectively halting all non-essential services.**
- **March 30: Governor Cuomo issued Executive Order 202.13 and the Essential Construction Guidance clarifying that all program activity requiring in-person presence at a project site that is not defined as either essential or emergency-related shall pause until April 15, unless extended by future Executive Orders.**
 - **March 31: Empire State Development issued updated guidance to clarify essential and non-essential activities including construction work specific to the renewable energy sector. See:**
https://esd.ny.gov/sites/default/files/ESD_EssentialEmployerFAQ_033120.pdf
 - **March 31: NYSERDA issued updated guidance to its contractors applicable to ALL NYSERDA programs, effective immediately and continuing to April 15.**

New York State Offshore Wind Industry Status



Riviera Maritime Media
Offshore wind not immune to Covid-19 but expected to be ...
 To-date, the coronavirus pandemic has had only a moderate effect on international supply chains for offshore wind. Although delays in supply ...
 13 hours ago

OE Digital
What Will COVID-19 Mean for US Offshore Wind?
 Every industry has seen the effects of the pandemic, from hospitality, to travel, and ... To make matters worse, supply chain problems will cause delays in ... If the COVID-19 crisis is a protracted one, offshore wind will ...
 1 day ago

Utility Dive
When will the US get 1 GW of offshore wind on the grid?
 Offshore wind in the U.S. will exceed 1 GW of capacity by 2027, ... the offshore wind industry can continue growing as "the supply chain from Asia ... and tertiary U.S. suppliers due to the global spread of COVID-19. ... The Navigant report did not address any impacts of coronavirus ...
 3 hours ago

Windpower Monthly
Covid-19 update: Brazil postpones 2020 tenders
 "The full European supply chain is affected by restrictions to the free ... Wind said it is still too early to say what impact Covid-19 is having on the ...
 7 hours ago

Greentech Media
Coronavirus Could Make It Harder to Keep Wind Farms Up and Running
 If a wind farm breaks down during the COVID-19 global pandemic, who will be there to fix it? So far, much of the focus on the outbreak's impact on the renewables ... to work on U.K. offshore wind farms could be held up at the ...
 2 weeks ago

Power Technology
Mitigating Covid-19 impact on global supply chain is GE's ...
 The renewable segment had previously handled the on and offshore wind turbines and hydropower and now manages the solar, battery and ...
 2 weeks ago

New York State Agency Status



New York State Clean Energy Industry Status

NYSERDA has initiated training programs that will benefit more than 40,000* New Yorkers

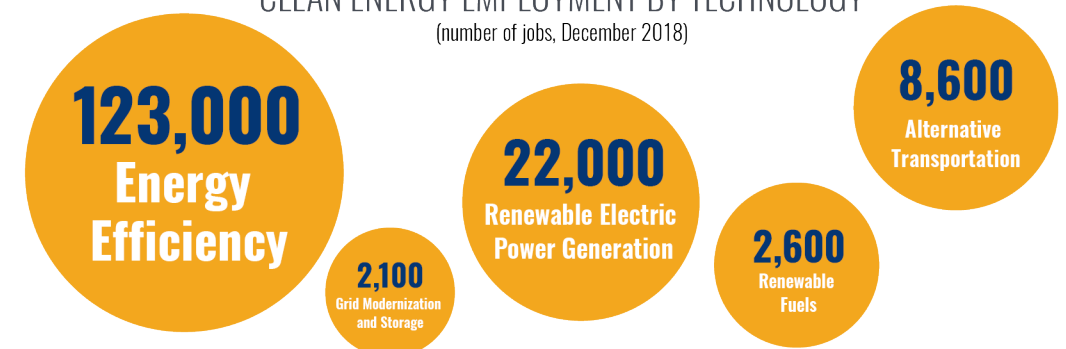
- > Energy Efficiency & Clean Technology Training
26,000 to be trained
- > Building Operations & Maintenance
5,000 to be trained
- > Energy Efficiency & Clean Technology On-the-Job Training
171 hired/trained
- > Clean Energy Internship Program
160 interns hired/supported

** The numbers reflected above represent data through 1/16/20. Actual numbers subject to change based on the finalization of contracts and final training delivery.*

nearly
159k clean energy jobs in 2018
across New York State

7.2k new clean energy jobs in 2018
employers expect to hire 12,000 more in 2019

CLEAN ENERGY EMPLOYMENT BY TECHNOLOGY (number of jobs, December 2018)



Climate Leadership and Community Protection Act



70%
renewable
energy by
2030

Governor Cuomo: "We have made remarkable progress on a large number of pressing issues. But the matter we discuss today, and the action we take, may indeed be the most consequential. The environment and climate change are the most critically important policy priorities we face. They literally will determine the future or the lack thereof."

Accelerated Renewable Energy Growth and Community Benefit Act



This comprehensive legislation includes
four major components:

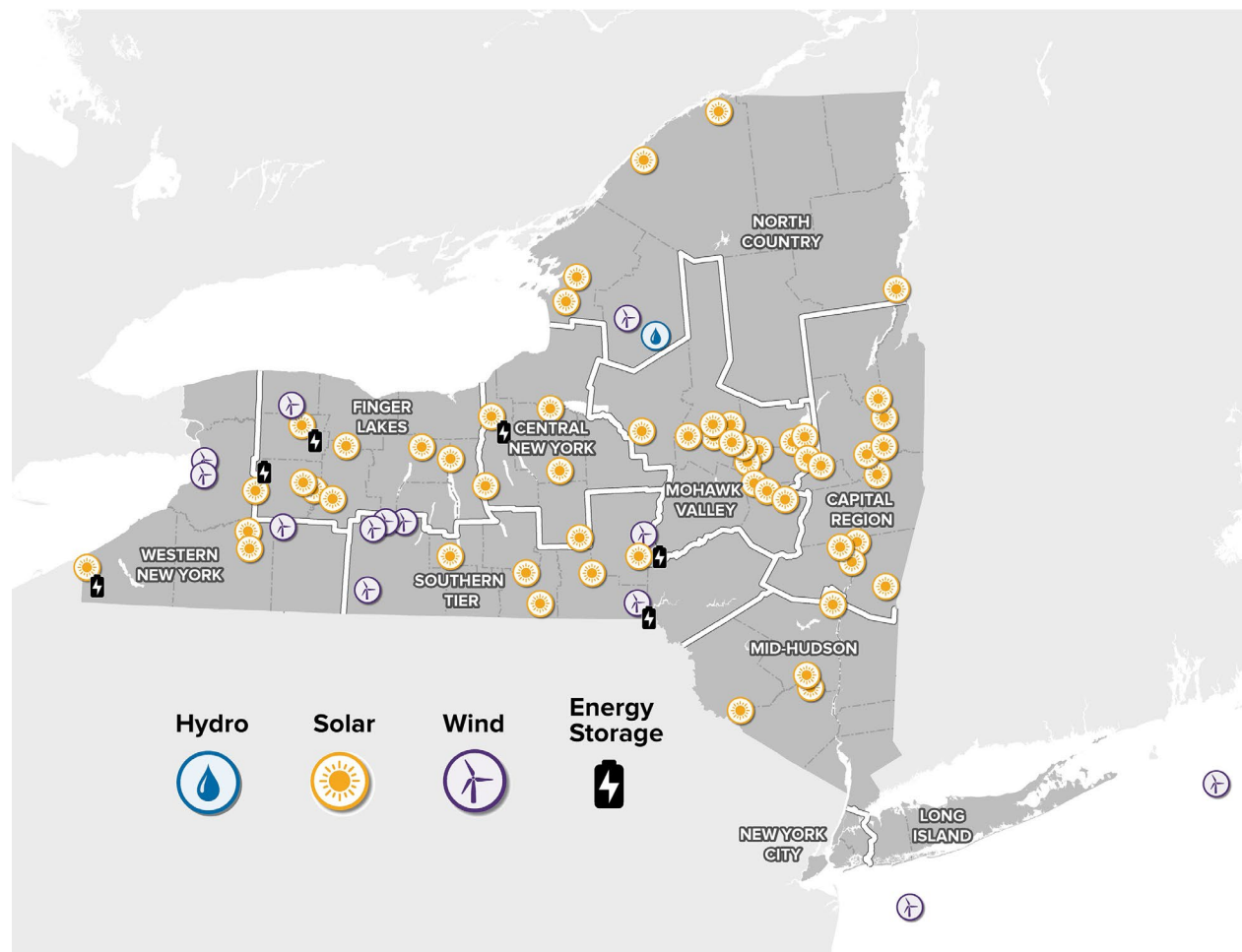
**Office of
Renewable
Energy Siting**

**Clean Energy
Resources
Development
and Incentives
Program**

**Host
Communities
Benefit
Program**

**State Power
Grid Study
and Program**

A Globally Significant Renewable Ramp-Up



Since 2017,
69 projects
+6,000 MW

Includes newly announced **21** large-scale solar, wind, and energy storage projects across upstate New York, totaling **1,278 MW** of renewable capacity and **40 MW** of energy storage capacity

2020 Offshore Wind Priorities

Support the **responsible, cost-effective development** of offshore wind for New York State:

- **Restore and support the burgeoning offshore wind industry**
- **Represent New York's interests on the federal level**
- **Provide market predictability and stability**
- **Continue our broad market engagement**
- **Continue our planning activities**

2020 Offshore Wind Priorities

Petition filed on January 28, 2020.

Key provisions included:

- **Optionality for Fixed or Index OREC (“Bidders Choice”)**
- **Calculation of Reference Prices (Energy & Capacity) to reflect project point of interconnect (vs. average of zones J & K)**
- **Commitments to strengthen New York’s Green Economy, align with the Climate Leadership and Community Protection Act (CLCPA)**
- **Continued support of stakeholder engagement and environmental performance**

2020 Offshore Wind solicitation: at least 1GW

NYSERDA has requested authorization to issue a solicitation in 2020 for the procurement of at least 1,000 megawatts of offshore wind.



2020 Offshore Wind Priorities

Petition filed on January 28, 2020.

Administrative steps:

Public Service Commission (PSC) process under the State Administrative Procedures Act (SAPA):

- Supplemental Generic Environmental Impact Statement (SGEIS); public comment
- PSC issues Order accepting final SGEIS
- DEC publishes notice in Environmental Notice Bulletin (ENB); public comment.
- SAPA comment period closes (April 20, 2020).
- PSC holds session and issues Order

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2020 Offshore Wind Priorities

Buyer Side Mitigation:

- **FERC Order on February 20, 2020 related to NYISO's proposed exemption**
- **NYSERDA evaluating adjustments to capacity reference price formula to account for mitigation**

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2020 Offshore Wind Priorities



\$200M Port infrastructure Investments

- More than 10 qualified projects
- NYSERDA, Department of Transportation (DOT) and Empire State Development (ESD) to initiate a competitive process to award \$200 million



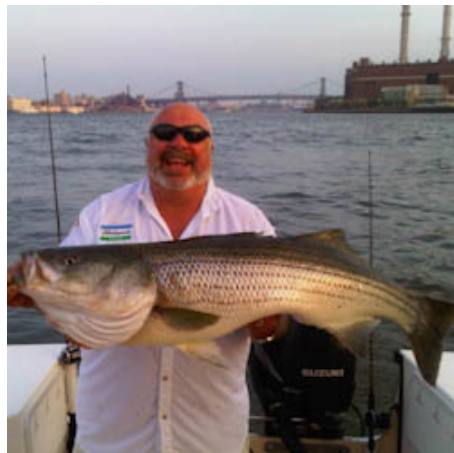
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2020 Offshore Wind Priorities



Morgan Brunbauer
NYS Offshore Wind
Marine Fisheries Manager



Captain Anthony (Tony) DiLernia
NYS Offshore Wind Recreational
Fisheries Liaison

NYS Fisheries Liaisons

Mitigation Plans & Best Management Practices



NYSERDA Questions to Industry:

1. **How has COVID-19 impacted your general work or development activities, supply chain, corporate status, and risk considerations? How might New York State be helpful in addressing these challenges?**
2. **What would be an ideal schedule to launch NYSERDA's 2020 solicitation? Why?**
3. **What would be an ideal date for bids to be due? Why?**
4. **What would be an ideal date for awards to be made? Why?**
5. **How would travel bans for European companies/personnel impact your ability to respond to a NYSERDA solicitation?**
6. **Related to Buyer Side Mitigation, please provide any suggestions regarding appropriate mitigations that NYSERDA can consider in drafting either its solicitation or its Agreement.**
7. **Please provide any other feedback regarding the content within NYSERDA's presentation or any other topic relating to its 2020 plans.**

**Seeking written feedback by April 8, 2020 3 pm ET
to offshorewind@nyserda.ny.gov**

Questions / Discussion

offshorewind@nyserda.ny.gov