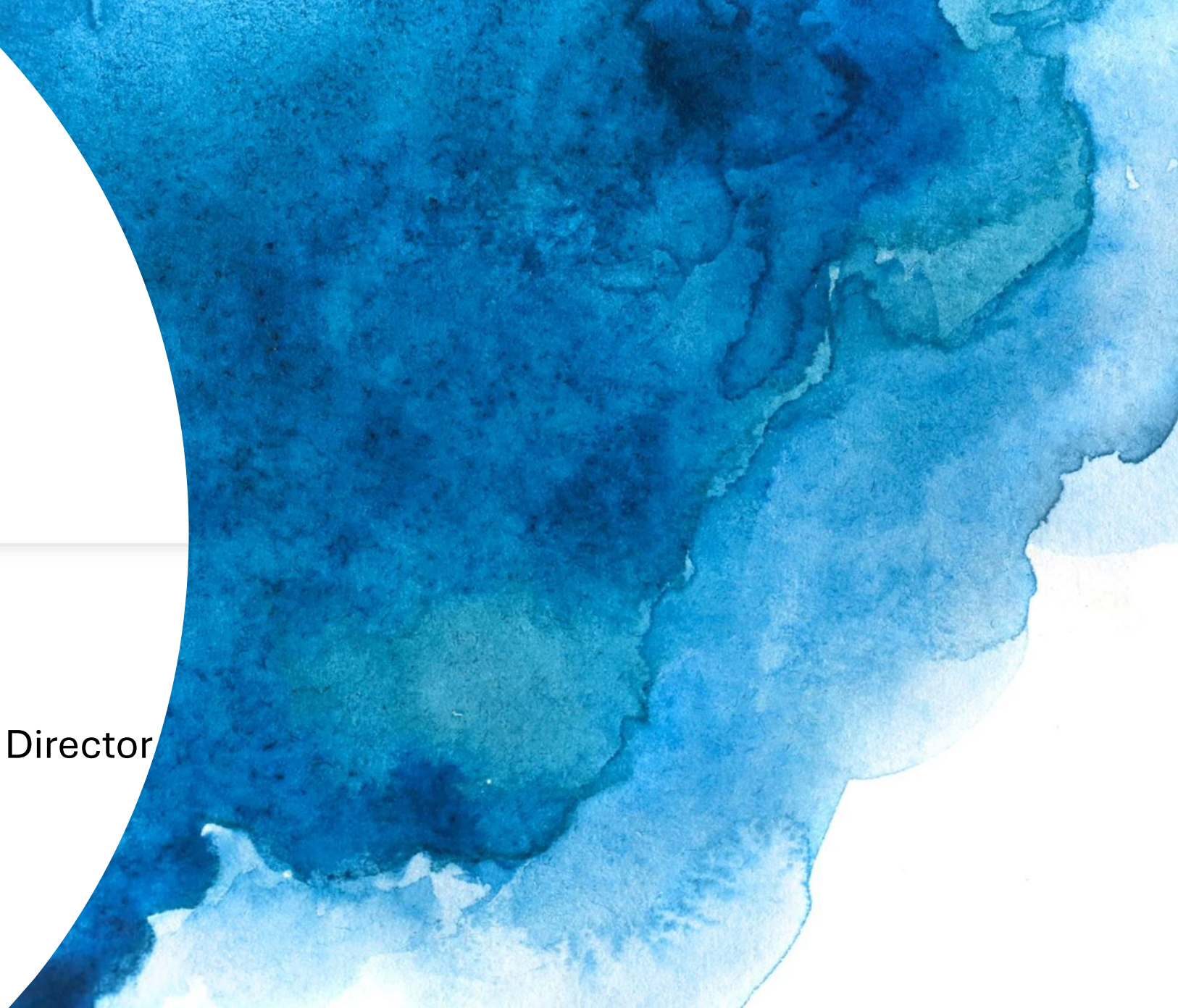


# Why Wind Works!

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Adrienne Esposito, CCE Executive Director

Julie Tighe, NYLCV, President



# United Nations Report 2023

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“Human Activities through emissions of greenhouse gases have unequivocally caused global warming.”

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“Human caused climate change is already affecting many weather and climate extremes in every region across the globe.”





# Climate Impacts

According to NOAA, between January and August 2023, the country experienced a record-breaking 23 separate disasters, that contributed to the deaths of 253 people and each reported damages exceeding \$1 billion with a total economic cost of \$57.6 billion this year.



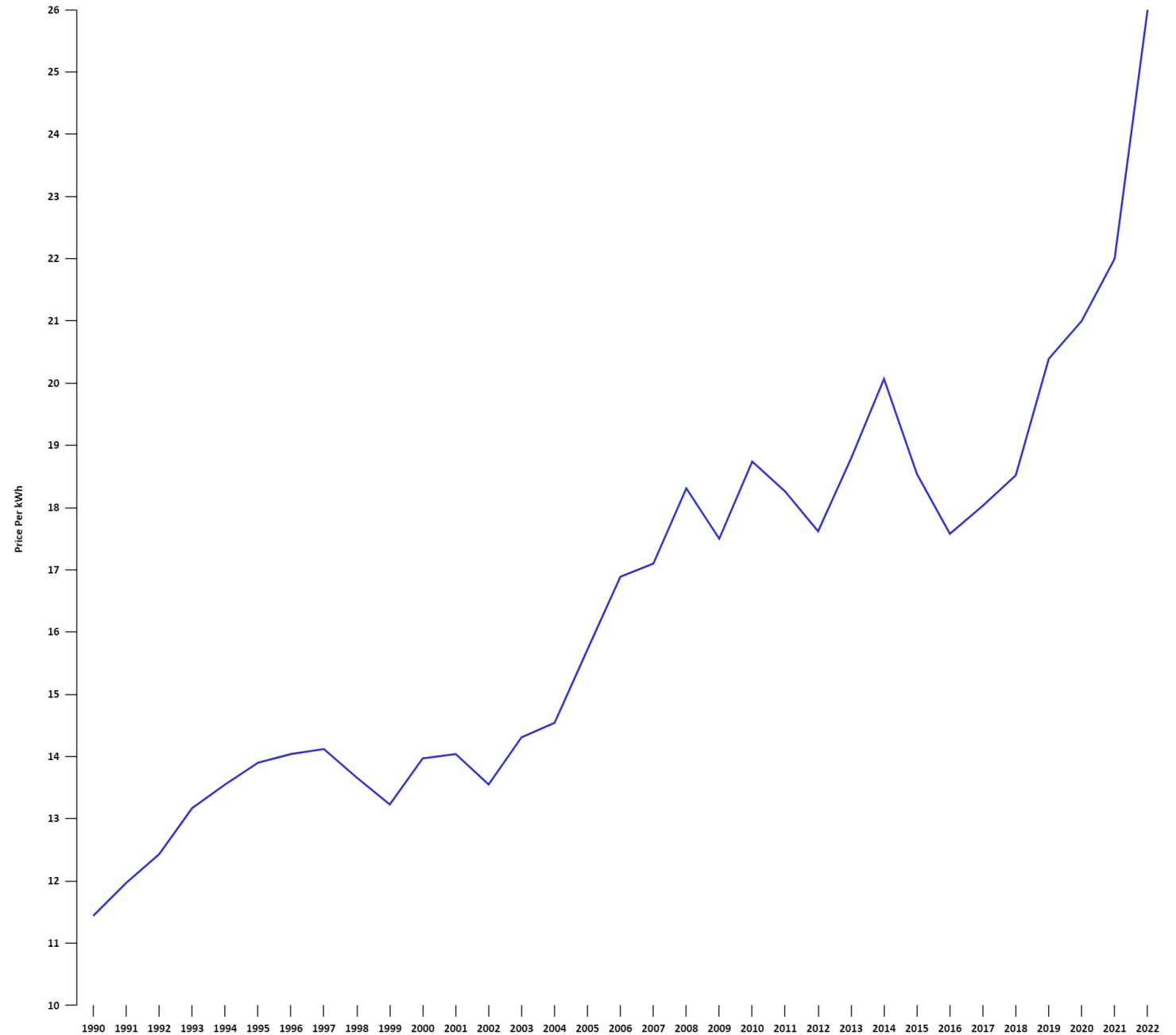
# NY Electric Prices

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1990- 11.44 cents a  
kilowatt

2022- 26 cents a kilowatt

120% Increase in energy  
costs



We need to transition  
the way we produce  
energy



# NEW YORK STATE LEADERSHIP

New York's Climate Leadership and Community Protection Act – Most Ambitious Climate Change law in the country, signed in 2019.

70% renewable energy by 2030.

Carbon free electricity by 2040.

85% reduction in greenhouse gas emissions, 15% carbon offsets. Powerplants cannot offset emissions.

- Net-zero carbon economy by 2050.

9,000mw of offshore wind by 2035

and 6,000 mw solar by 2025.

40% state investments to frontline/  
disadvantaged communities.

Guaranteed labor protections.



Leading the Nation  
on Climate Change

Example of wind farm from this phase



## Vindeby

Market	Denmark
Construction	1990-1991
No. of turbines	11
Total capacity	5MW

 **2,200**

Vindeby was powering 2,200 Dan

# Offshore Wind Power is not new

First offshore wind farm: Denmark  
Vindeby Offshore Wind Farm was the first offshore wind farm in the world, erected in 1991 off the coast of the town of Vindeby on the Danish island of Lolland. It was decommissioned in 2017 after 25 years of useful life.



**EUROPE**

**28,000  
Megawatts**

Source: Global Wind Energy Council







**CHINA**

**27,000  
Megawatts**

Source: Global Wind Energy Council





**WHAT ABOUT USA?**

An aerial view of a coastline with several wind turbines. The land is green and hilly, and the water is dark blue. The turbines are white with three blades each. One turbine is on the land, and several others are in the water.

**UNITED STATES**

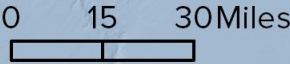
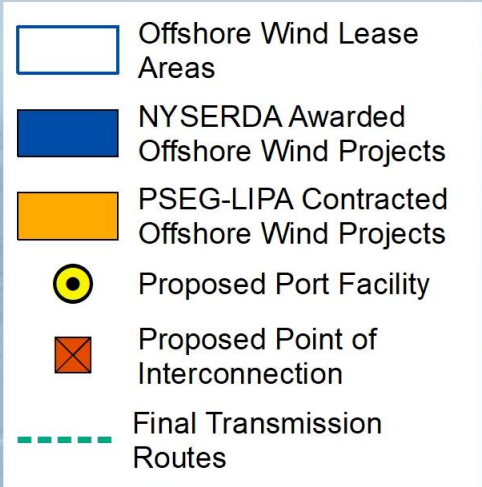
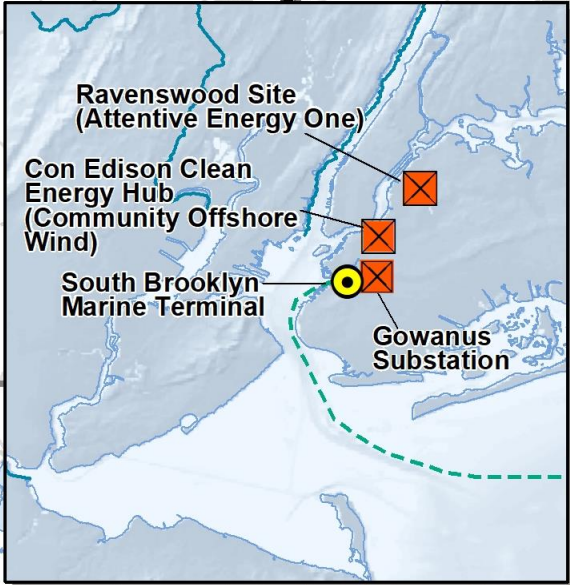
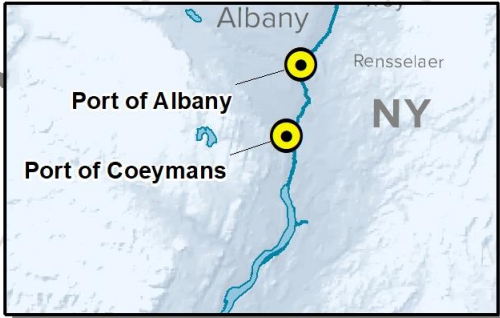
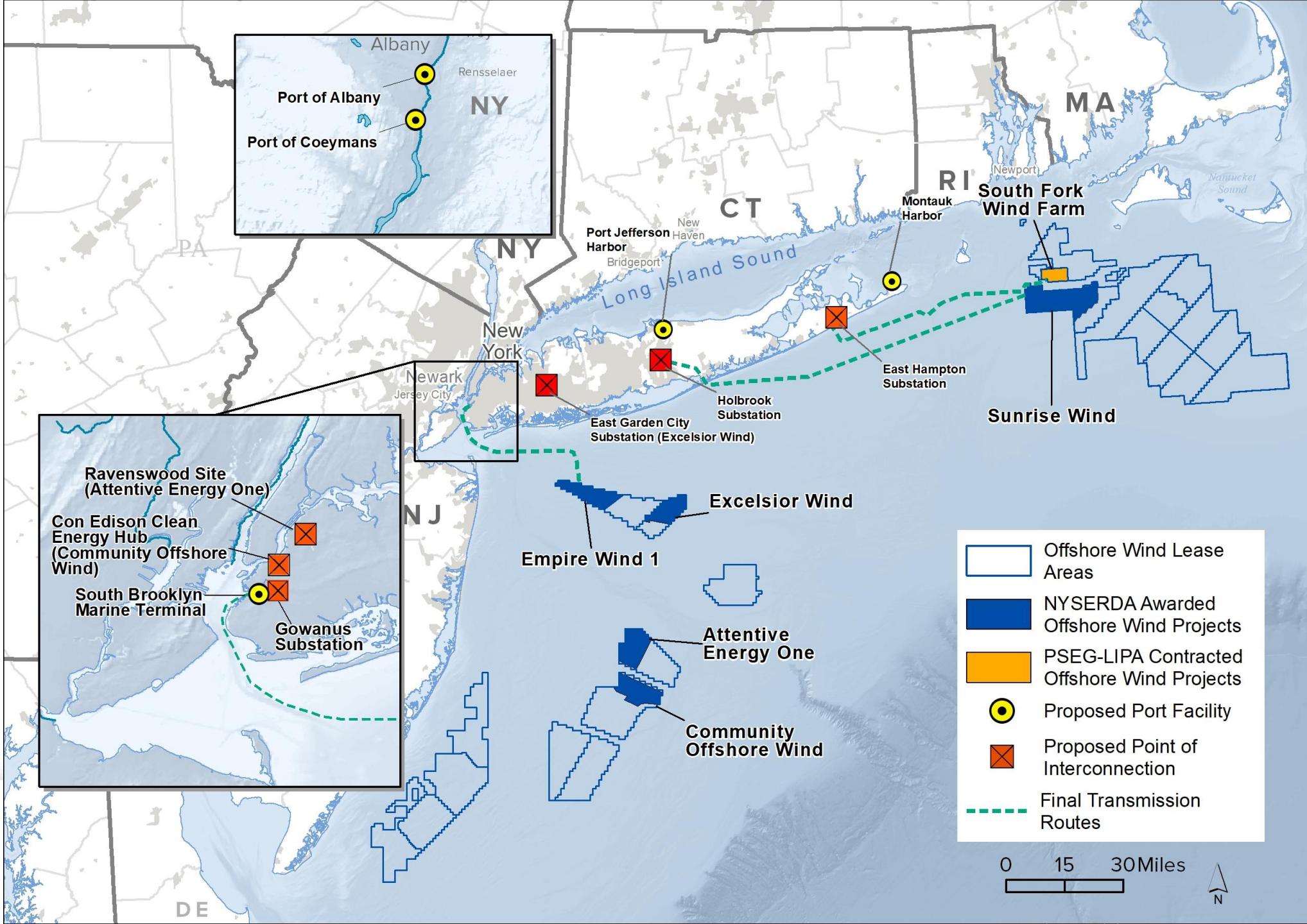
**980**

**Megawatts**

***(Coming online this year)***

Source: Global Wind Energy Council







# NY's First Offshore Wind Farm

South Fork Wind broke ground in February 2022 and is currently under construction.

They are installing 12 turbines 30+ miles off Montauk and build a cable connection from the turbines to a substation in East Hampton via Wainscott beach.

Project	Capacity	Location	Review Process	Progress
<b>South Fork Wind Farm</b>	130 mw 70,000 homes	35 miles off Montauk, connects to East Hampton	Approved by BOEM, under construction	Under construction – completed this year.
<b>Empire Wind 1</b>	800+ mw 500,000 homes	20 miles off the Rockaways, connects to South Brooklyn Marine Terminal	Federal review launched in 2021	Submitted rebid in January to NYS, selection will be decided in February.
<b>Sunrise Wind</b>	880 mw 500,000 homes	30 miles off Montauk, connects to Holbrook	Federal review launched in 2021	Submitted rebid in January to NYS, selection will be decided in February.



# New Projects Announced:

## **Attentive Energy**

- 1,404 MW anticipated to enter commercial operation by 2030
- Enough electricity to power more than 700,000 homes annually

## **Community Offshore Wind Developer:**

- 1,314 MW anticipated to enter commercial operation by 2030
- Enough electricity to power more than 500,000 homes annually

## **Excelsior Wind Developer:**

- 1,314 MW anticipated to enter commercial operation by 2030
- Enough electricity to power more than 650,000 homes annually