



NYSERDA

New York State Offshore Wind

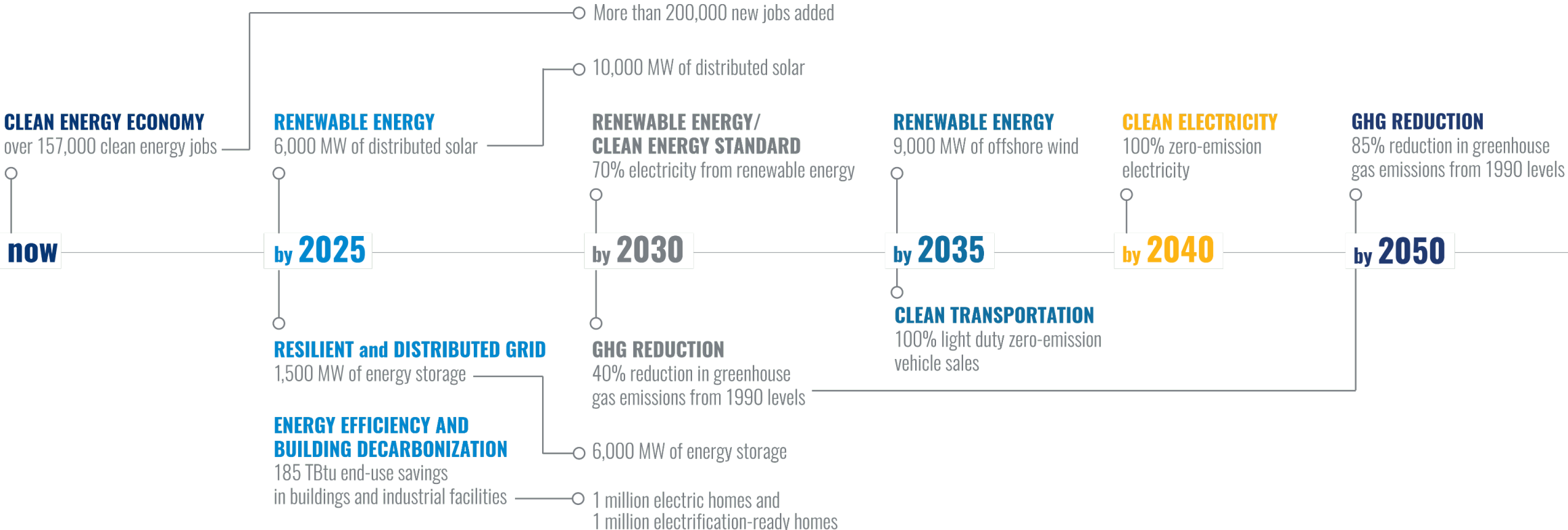
**Most Competitive Offshore Wind Solicitation in U.S. History
Results in Three New Projects**

November 28, 2023

Agenda

- New York's Role in Offshore Wind Development
- NYSERDA's Third Solicitation
- Presentations from Awarded Project Teams:
 - **Attentive Energy One**
 - **Community Offshore Wind**
 - **Excelsior Wind**
- Q&A
- Next Steps

Summary of New York State Climate Act Targets



New York's Role in Offshore Wind Development

NYSERDA, DOS, DEC, DPS, DOT, ESD, State Historic Preservation Office (Parks)

- Buyer in long-term revenue contracts (for Offshore Wind Renewable Energy Certificates) with projects
- Energy policy and strategy development
- Supply chain and workforce development
- Research and analysis
- Stakeholder engagement
- State permitting processes
- Regulatory activities related to offshore energy development

NYSERDA's Offshore Wind Solicitations

As authorized by New York's Public Service Commission, NYSERDA issues competitive solicitations for ORECs.

Solicitations are requests for proposals from offshore wind developers to deliver offshore wind energy to New York's load centers. Competitively selected projects enter into contracts to sell Offshore Wind Renewable Energy Certificates (ORECs) to NYSERDA on behalf of New York's electricity ratepayers statewide.

To date, NYSERDA has issued three competitive solicitations: 2018, 2020, 2022

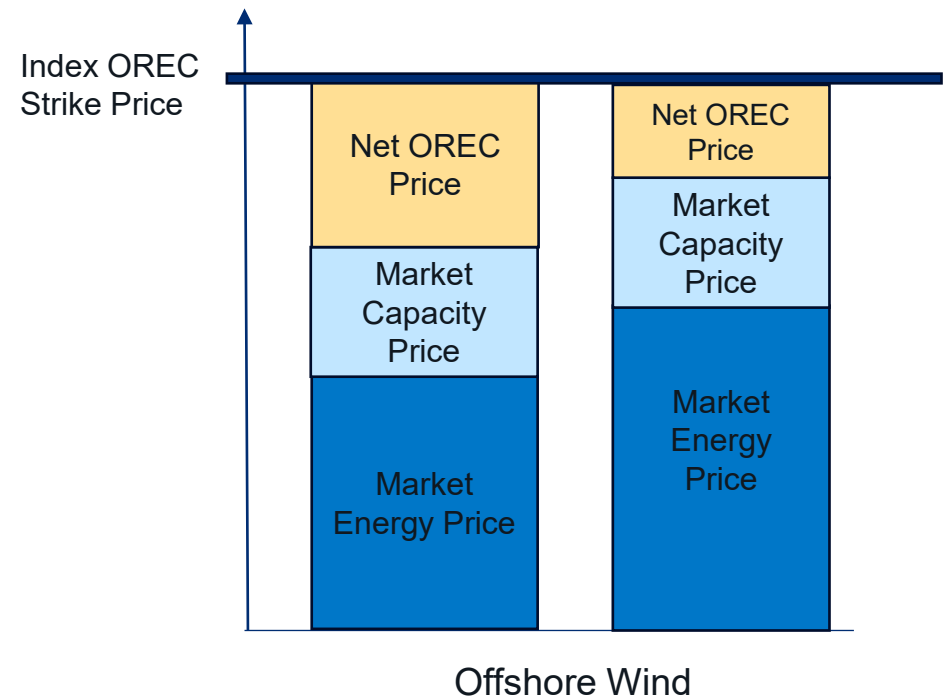
Information on past solicitations is available on NYSERDA's website.

www.nyserdera.ny.gov/offshorewind

What are Offshore Wind Renewable Energy Certificates (ORECs)?

ORECs represent an important source of revenue to enable renewable energy development from offshore wind, recognizing that New York's electricity markets do not directly value the environmental attributes associated with clean electricity generation.

- NYSERDA purchases ORECs (part of contracts with competitively-selected projects)
- Utilities and other load serving entities are required to purchase ORECs from NYSERDA
- Cost of ORECs passed along to New York electricity consumers through utility bills
- Prices fixed for 25-year contract term



NYSERDA's Third Offshore Wind Solicitation (ORECRFP22-1)

Key Solicitation Provisions

- Procuring at least 2,000 MW of offshore wind
- First installment of \$500 million of funding to support supply chain investments
- Offshore transmission grid “Mesh-Ready”, and optional energy storage
- Prioritized fossil-fuel retirements
- Stakeholder engagement, labor agreements and environmental stewardship
- U.S. iron and steel minimum purchase requirements
- Benefits to New York State Disadvantaged Communities including workforce training
- \$10,000 per megawatt to support regional wildlife and fisheries monitoring
- Risk-adjusted pricing

NYSERDA's Third Offshore Wind Solicitation (ORECRFP22-1)

NY3 Solicitation Schedule	
RFP Release	July 27, 2022
Notice of Intent to Propose	December 1, 2022
Bid Submission	January 26, 2023
Award Notification	October 24, 2023
Contract Execution	Q1 2024

Eligibility Requirements

- Offshore wind lease area from federal government
- Minimum offer capacity of 1,000 MW
- Include at least one Supply Chain Investment Plan that utilizes state funding

Bid Scoring Criteria

70% Price

20% Economic Benefits

10% Project Viability

NYSERDA's Third Offshore Wind Solicitation (ORECRFP22-1)

Response

Most Competitive Offshore Wind Solicitation in U.S. History

Proposals for 8 Projects from 6 Developers

Project developers: Attentive Energy, Bay State Wind, Beacon Wind, Community Offshore Wind, Invenergy Wind Offshore, and Vineyard Offshore

Public versions of all proposals are available on NYSERDA's website.

www.nyserderda.ny.gov/offshorewind

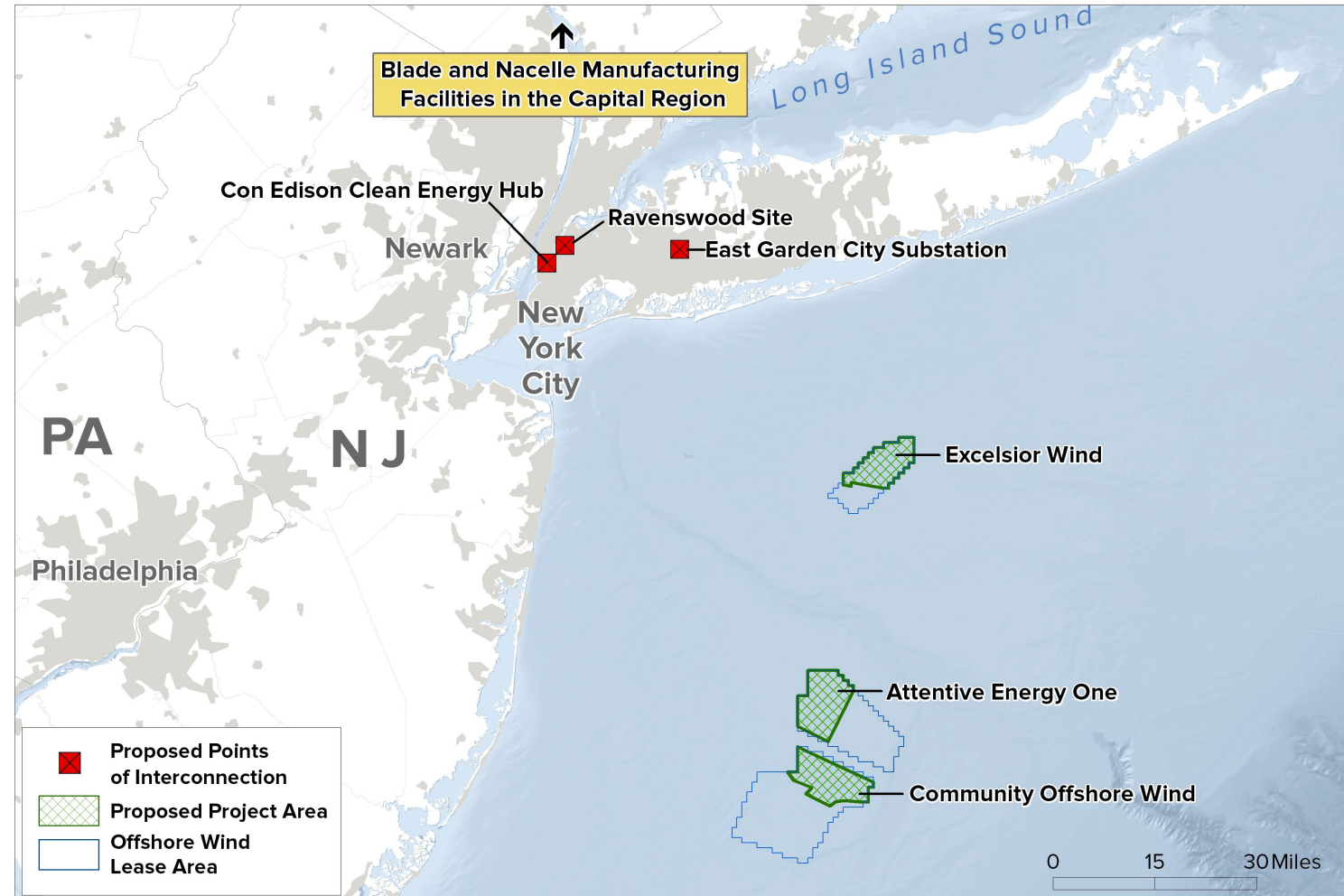
Attentive Energy One (1,404 MW)
Community Offshore Wind (1,314 MW)
Excelsior Wind (1,314 MW)

- Enough energy to power **2 million homes**
- **\$15 billion** in anticipated in-state spending, including **\$3.4 billion** in commitments to spending in Disadvantaged Communities
- More than **\$85 million** to support wildlife and fisheries research, mitigation, and enhancement

\$300 million state investment in the nation's first blade and nacelle manufacturing facilities in New York's Capital Region

- Leveraging more than \$2 of privately-committed capital for every \$1 of New York State funding
- Total investment of **\$968 million**

AWARD RESULTS: 3 OSW Projects + Blade and Nacelle Manufacturing





Attentive Energy One

An Offshore Wind Project to Power New York



The Sponsors: TotalEnergies + Rise + Corio

Attentive Energy One combines the global resources and offshore expertise of TotalEnergies and Corio Generation, as well as Rise Light & Power's proven track record of powering New York City and its deep community relationships to deliver a project for New York.



TotalEnergies Renewables USA is one of the leading renewable energy developers in the U.S., with more than 4GW of offshore wind in development. As part of its ambition to get to net zero by 2050 and drive the global energy transition, TotalEnergies plans to develop over 100GW of renewable energy by 2030.



Rise Light & Power is a Queens, New York based energy asset manager and developer, and is actively transforming NYC's largest power plant - Long Island City's Ravenswood Generation Station - into a new clean energy hub. Rise Light & Power is a wholly owned affiliate of LS Power.



Corio Generation is a specialist global offshore wind developer and a portfolio company of Macquarie Asset Management operating on a standalone basis. Corio has one of the world's largest offshore wind project pipelines, with over 30 GW at various stages of development across Europe, Asia-Pacific and the Americas.



Project Overview

A mature project, designed to align with New York's Nation Leading Climate Goals

- › **Lease area:** OCS-A 0538
- › **Project size(s):** 1,404 MW nameplate capacity
- › **Water depth:** 127 – 187 feet (average 147 feet)
- › **Onshore landing location:** Ravenswood Generating Station
- › **Point of interconnection:** Ravenswood
- › **Distance to NY shore:** At least ~50 miles south of Jones Beach
- › **Project timeline:**
 - › Permitting through 2026
 - › Construction through 2029



Illustrative project design



Early & Frequent Stakeholder Engagement Across All Sectors

Attentive Energy One offshore wind proposal will create generational opportunities with impactful programs and investments.



COMMUNITY

Interactive Project Forums at NYCHA Housing

4+

Years of engagement in the New York Bight

2,000+

Individuals engaged at community forums, workshops, events, and focus groups



ACADEMIA

Workforce Event at LaGuardia Community College



LABOR

Sec. Granholm visits Ravenswood Workforce



SUPPLY CHAIN

Supply Chain Info Session in the Capital Region

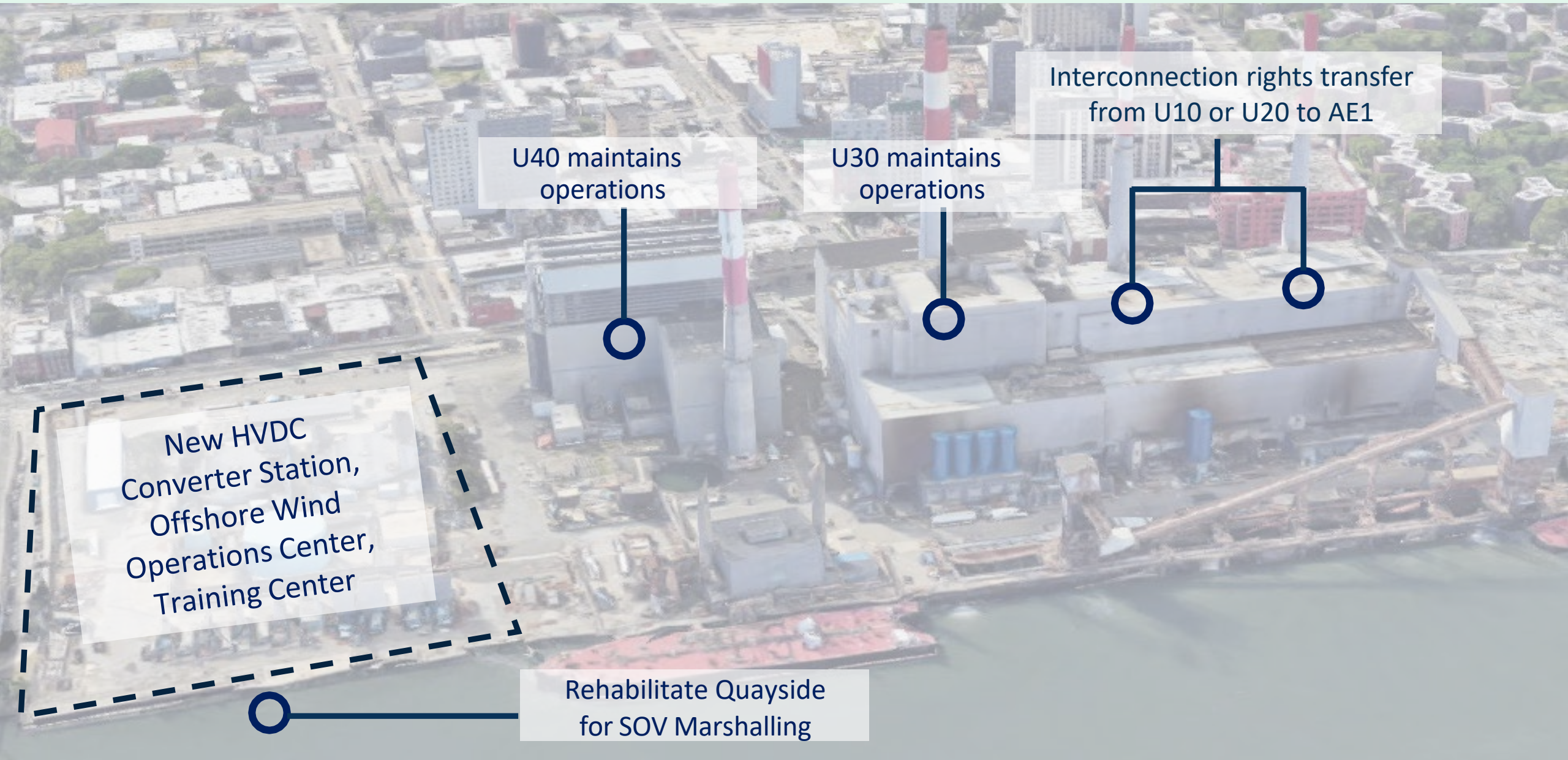


YOUTH

Student Day at SUNY Maritime

Fossil Retirement & Replacement at Ravenswood

AE1 Begins Historic First-Step in the Transformation of NYC's Largest Power Plant



U40 maintains operations

U30 maintains operations

Interconnection rights transfer from U10 or U20 to AE1

New HVDC Converter Station, Offshore Wind Operations Center, Training Center

Rehabilitate Quayside for SOV Marshalling

Key Commitments - Attentive Energy One

Powered by Offshore Wind, Attentive Energy One Will Deliver Clean Energy, Local Jobs, and Environmental Justice for New York.

- ✓ Retires & replaces 1960's NYC fossil fuel generation with offshore wind
- ✓ Delivers critical Environmental Justice action and reduces CO2 emissions by more than one million tons
- ✓ Supports a Just Transition and opportunities for union workers
- ✓ \$25.6 billion in benefits to New York State including creating more than 2,600 new unique jobs in New York State
- ✓ Facilitates construction of an offshore wind O&M Hub, including union jobs servicing the project based at the Ravenswood Generating Station.
- ✓ \$300 million Lasting Legacy Investment targets community investments that prioritize disadvantaged communities and support development of local workforce talent and businesses.
- ✓ \$30 million investments in regional fisheries and environmental conservation efforts included in Lasting Legacy plan



Connect with Attentive Energy One



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Community Offshore Wind NYSERDA Public Webinar

November 28, 2023



Meet

COMMUNITY
offshore wind
local clean energy for all



February 2022: Community Offshore Wind acquired Lease Area OCS-A 0539, the largest lease area in the New York Bight.



October 2023: Awarded a provisional offtake contract to develop 1.3 GW of new offshore wind capacity – enough to power more than 500,000 New York homes.



Our joint venture brings together two global leaders in renewable energy and transmission:

RWE

- #2 offshore wind company globally
- 19 offshore wind projects successfully completed globally
- 6 GW of offshore wind project in development in the US
- 8 GW of onshore wind, solar, and storage in the US
- New zero goal by 2040

nationalgrid ventures

- Serving 20 million people throughout NY and MA
- More than 5,000 employees in New York
- Growing portfolio of onshore wind, solar, battery storage and transmission modernization projects in the US
- National Grid and its legacy companies have operated in NY for over 125 years

Community Offshore Wind | Our Project



Delivering for New York



1.3 GW of Renewable Energy



\$3.3 Billion in Economic Benefits



Powering 500,000+ New York Homes



800+ New, Good-Paying Jobs



Connecting to the Con Edison Clean Energy Hub in Brooklyn



\$500M+ Spending Commitment for Disadvantaged Communities



\$10M Investment in Childcare for Offshore Wind Workers and Trainees



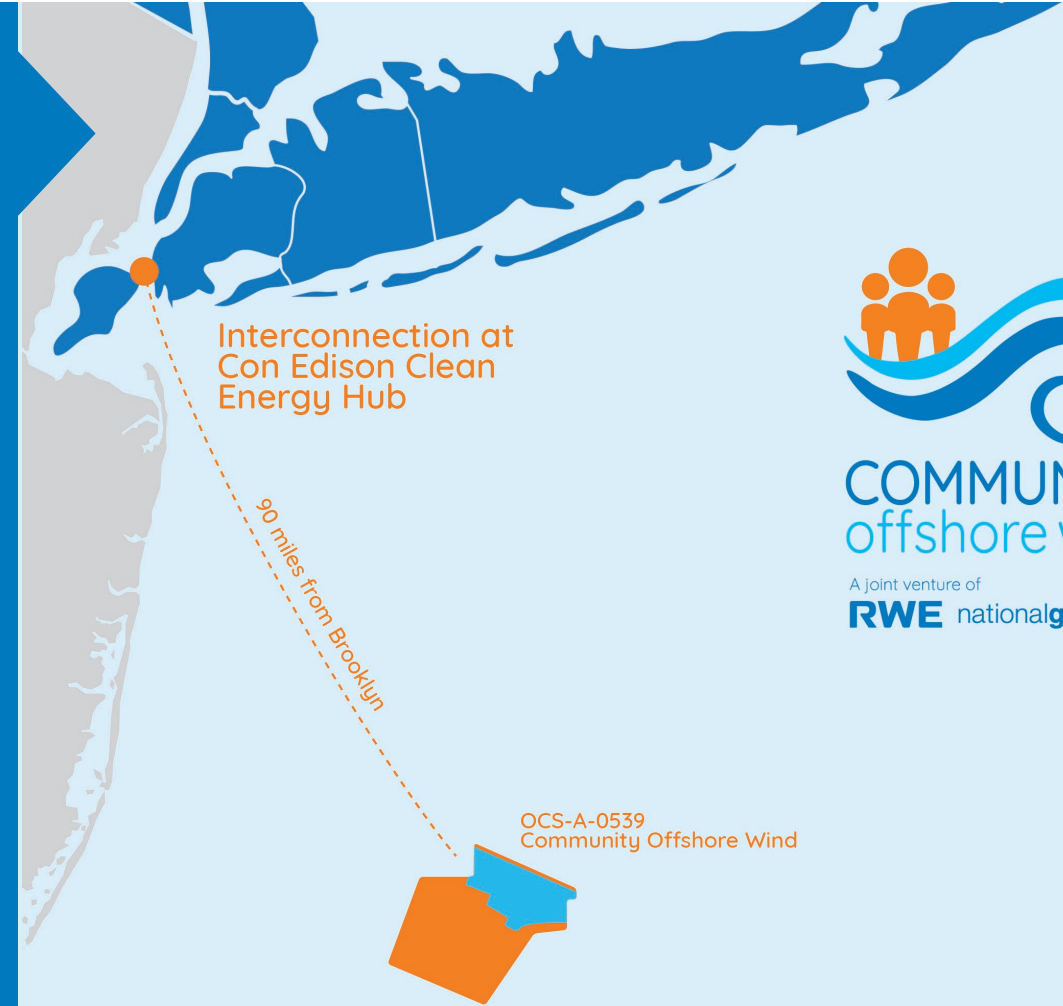
5% Emissions Reduction for New York State Power Sector



Distance to New York: 64 miles



\$41M for Workforce Development



COMMUNITY offshore wind

A joint venture of RWE nationalgrid

Lease Size: 125,964 acres/197 sq. mi.



Empowering Communities

For Community Offshore Wind, community comes first.

Our four key engagement pillars will maximize benefits for New Yorkers.

Design to minimize burdens

- 1 Inclusive project development and decision making

Accelerate clean energy economic opportunities

- 2 \$130M investments in local stakeholders

New York Stakeholders

- 3 Wide array of stakeholder activities and marketing efforts

Enable and empower communities

- 4 Committed to tracking progress

Community Offshore Wind | Committed to our Communities



The clean energy transition must be equitable and accessible for every worker. Working hand-in-hand with communities, we will develop our project responsibly and transparently.



How we Have Engaged:

- Marine education field trips for **400+ students**
- Donated **900 coats and 100 pairs of gloves** for families in need
- Donated **30,000+ meals** of locally-sourced seafood to food pantries statewide
- Collected **900lbs of garbage** at Earth Day cleanups



Where we will Engage:

- **\$10M** for reduced-cost childcare for all offshore wind trainees and workers in New York State
- **\$11M** for YMCA Swimming Program for Disadvantaged Communities
- **\$1.5M** for SUNY Orange to offer manufacturing skills training programs





We want to hear from you!

REACHING-OUT COMMUNITY SERVICES
Operation Gobbler Giving Thanksgiving Event

Event Sponsor: **SSASSY Foundation**



www.communityoffshorewind.com

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Want to keep up with the latest news about Community Offshore Wind and our projects? Visit Community OffshoreWind.com, or scan the QR code to visit the site and sign up for our monthly newsletter!



Excelsior Wind

November 28, 2023

Who We Are



Vineyard Offshore is Copenhagen Infrastructure Partners' (CIP's) exclusive development partner in the US

CIP is a global leader in clean energy investments with \$26 billion in assets under management



Vineyard Offshore was launched in April 2022 by the development team behind Vineyard Wind 1

We lead the development of **3 lease areas** off the coasts of Massachusetts, New York, and California

Vineyard Offshore has more than **6 gigawatts of potential capacity** for development on the East and West Coasts

Excelsior Wind

Bringing Offshore Wind to New York State



Overview

- 1,314 megawatts (MW)
- Located 24 miles south of Fire Island & 31 miles south of Jones Beach
- Point of Interconnection: East Garden City in Uniondale
- Evaluating cable landfall options with a focus on community engagement



700,000
HOMES POWERED



REDUCES CARBON DIOXIDE BY
1.1 MILLION
METRIC TONS



= 225,000
CARS OFF THE ROAD

Approach to Stakeholder Engagement



*Centering on EJ in New York:
Commitment to deliver at least 35% of
New York spend in DACs and prioritize
hiring in host communities and DACs*

- Identify a **diverse** and **representative** set of stakeholders and opportunities for collaboration
- Communicate and engage **early, often, and transparently**
- Ensure project information is **accessible** and **well understood**
- Forge constructive stakeholder relationships built on **trust** and **transparency**
- Develop a **shared understanding** of opportunities to avoid, minimize, and mitigate impacts
- Deliver **tangible, direct, and sustained** economic benefits to host communities and DACs
- Hire from the **local communities** where our projects are located

Commitments to Community



- **1,200+ jobs** over the lifetime of the project
- **\$4.5B investment** in New York, with almost \$1B in blade and nacelle manufacturing
- In conversations with several NYC area port facilities for marshalling and construction
- Funding commitments for New York Jobs and Workforce Plan, scholarship & wrap around services fund, and youth education
 - Partnerships with 40+ community-based groups, higher education institutions, k-12 curriculum groups, labor organizations, and more
- **\$45+ million** for workforce, fisheries, environmental, and community initiatives
 - Will look to sign a PLA and LPA in New York



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Questions?

Next Steps

- NYSERDA issued a **Request for Information (RFI)** to inform the fourth OREC solicitation. Comments were requested by November 2.
- NYSERDA will issue the **fourth OREC solicitation** on November 30.
- NYSERDA **Offshore Wind Open Houses** planned for early 2024
 - Check our Events page for updates: [Wind.ny.gov](https://www.wind.ny.gov)

Stay Connected and Informed

Tune in for “**Learning from the Experts**” webinars

- Educational webinar series featuring outside experts presenting on key offshore wind technologies, development practices, and research findings
- Visit wind.ny.gov to register
- All webinar recordings and presentations are available at nyseda.ny.gov/osw-webinar-series



More than 35 webinars in the series! Check out our YouTube channel.

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Visit offshorewind.ny.gov to sign up

Thank you

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