



NYSERDA



New York State Offshore Wind

Adrienne Downey
Principal Engineer, Offshore Wind



New York is committed to
100% clean
carbon-free electricity

by 2040

most aggressive in the nation

Offshore Wind

70%

renewable
energy by

2030

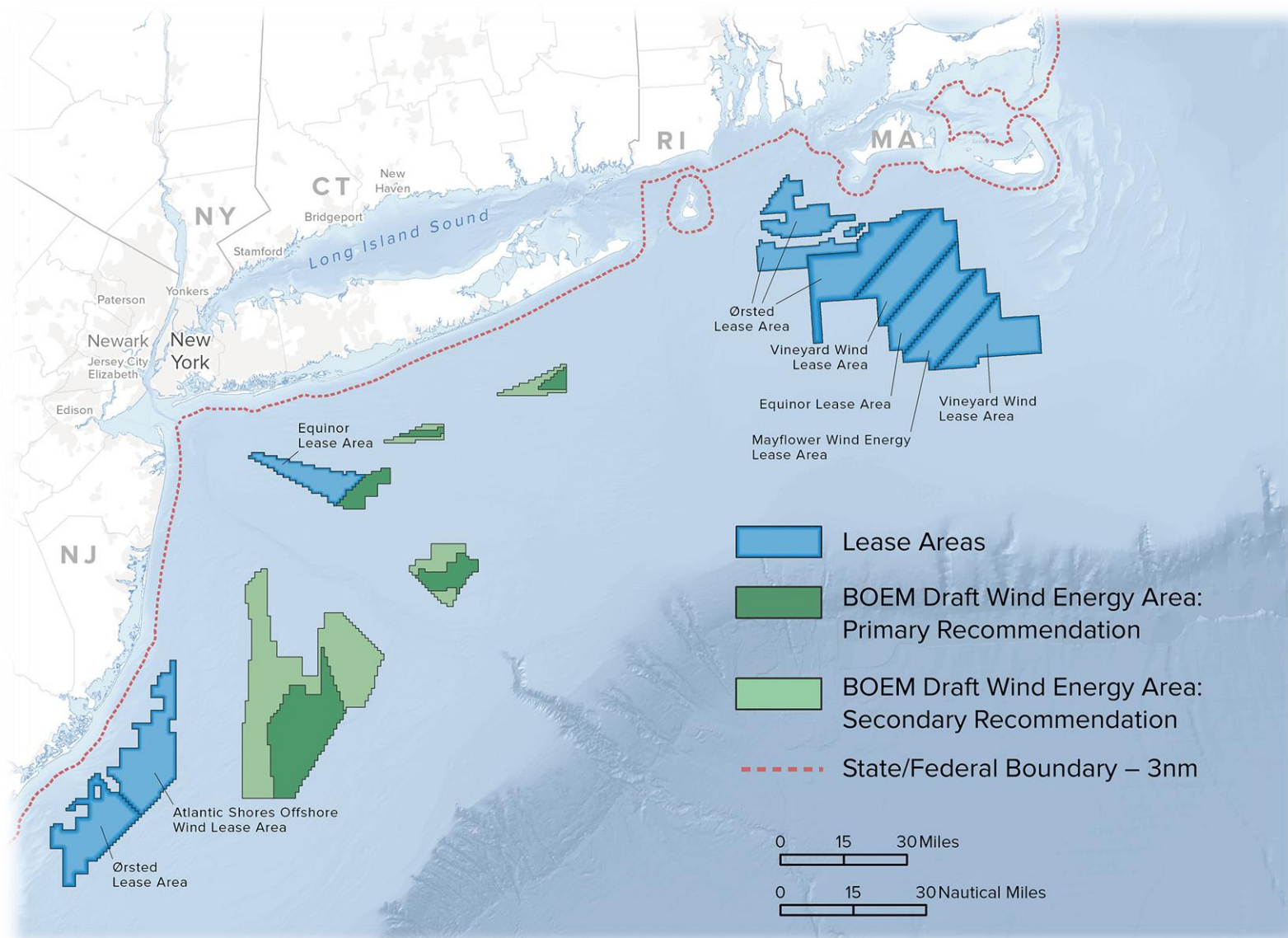
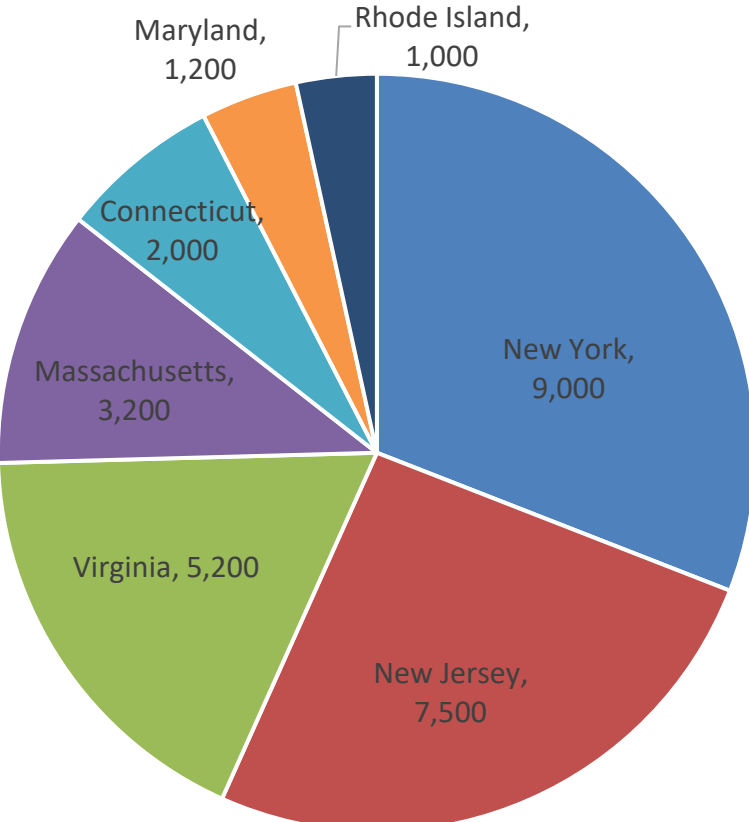
9,000
megawatts

by 2035

enough to power
up to 6 million homes
in New York

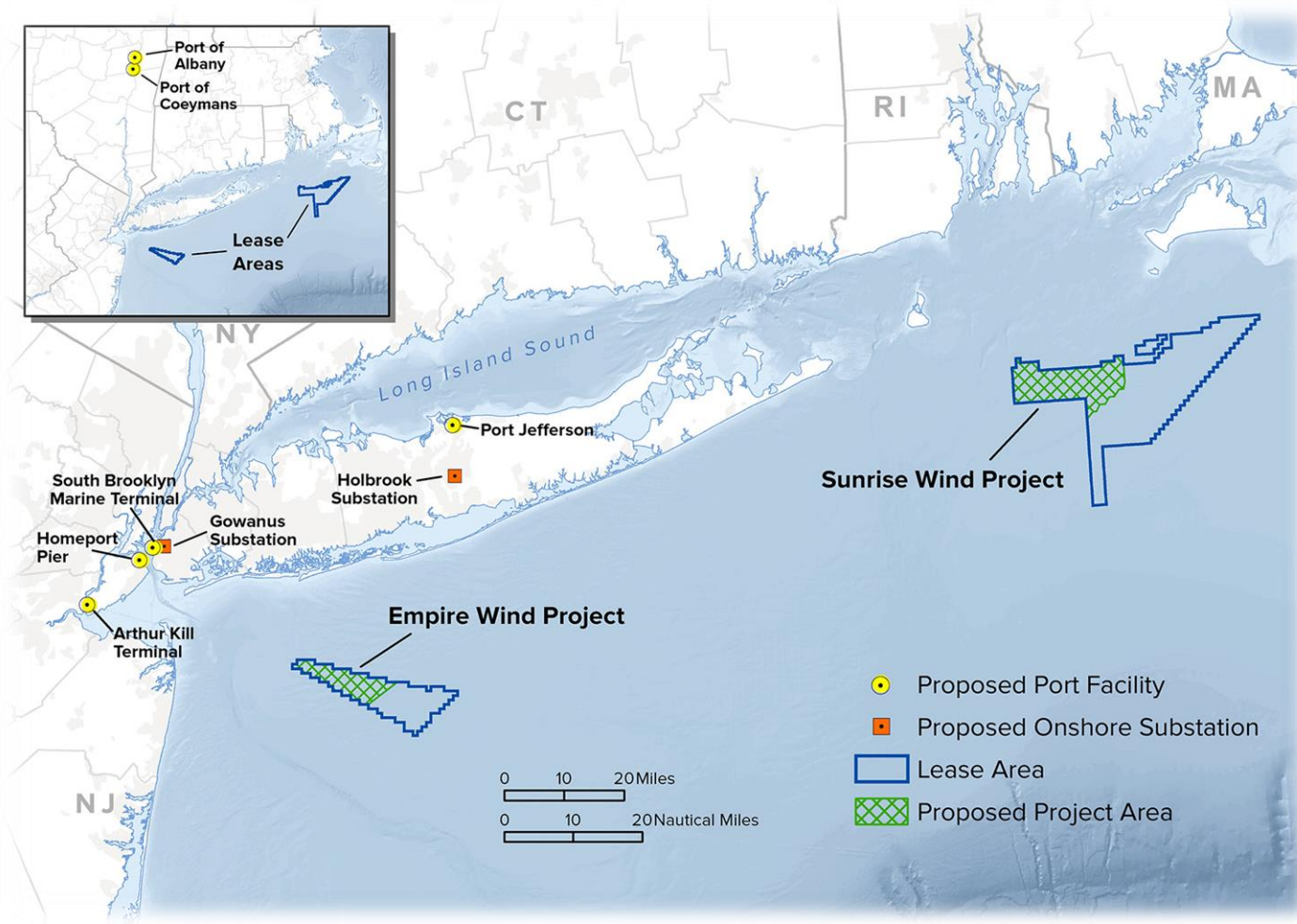
Regional Market Ambitions ~30 GW

Offshore Wind Targets by State (MW)



First Projects: Sunrise Wind and Empire Wind

- Sunrise Wind (880 MW) + Empire Wind (816 MW) = **1,696 MW**
- Together, they will power more than **1 million New York homes**
- Bring a combined economic impact of **\$3.2 billion** to upstate, downstate, and Long Island
- Invest **\$85 million** in long-term port facilities and cutting-edge technologies
- Support more than **1,600 jobs** in project development, component manufacturing, installation, and operations and maintenance
- Directly offer well-paying careers with average salaries of **\$100,000 per year**



ORECRFP20-1 Now Live

New York Launches Second OSW Solicitation



Offshore Wind Solicitation of Up To
2,500 Megawatts

Port Infrastructure Investment of
More Than \$400 Million

70% Price
20% Economic Benefits
10% Viability

<https://www.nyserda.ny.gov/offshore-wind-2020-solicitation>

\$400 million in Complementary Port Infrastructure Investments

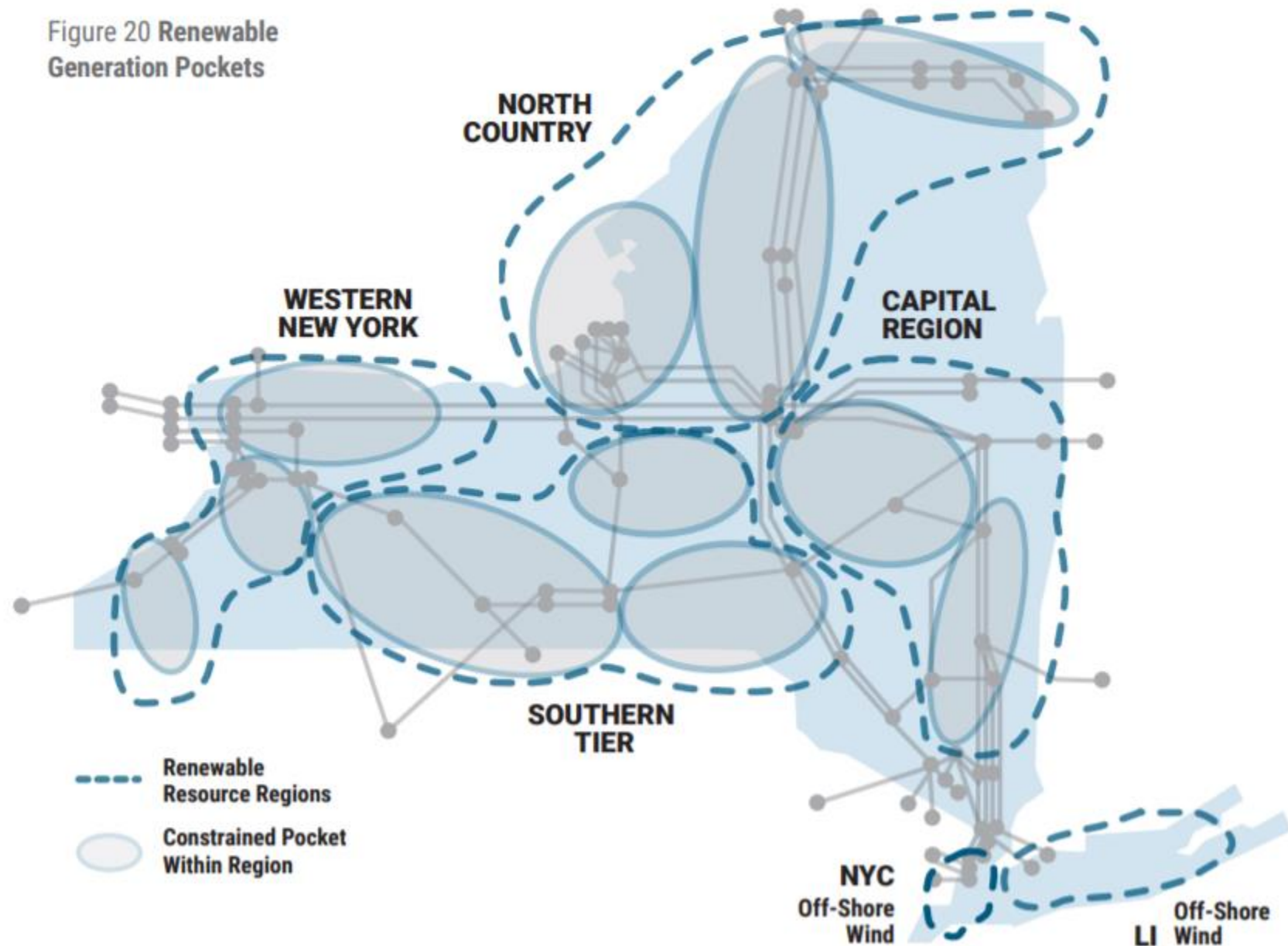
- > The solicitation includes a **multi-port strategy** and requirement for offshore wind generators to partner with **any of the 11 prequalified New York ports** to stage, construct, manufacture key components, or coordinate operations and maintenance activities.
- > To support New York's position as the hub for the offshore wind industry, NYSERDA, with the assistance of NY Green Bank, Empire State Development and the New York State Department of Transportation, will all support this combined solicitation for investing in and upgrading the state's port infrastructure. **The \$400 million in private and public funding is comprised of:**
 - \$100 million in Empire State Development grant funding,
 - \$100 million in low-interest financing,
 - \$200 million in private-sector matching funds, for a 1:1 public/private match.



“A Tale of Two Grids”

Renewable Generation and Transmission Challenges in New York

Figure 20 Renewable Generation Pockets



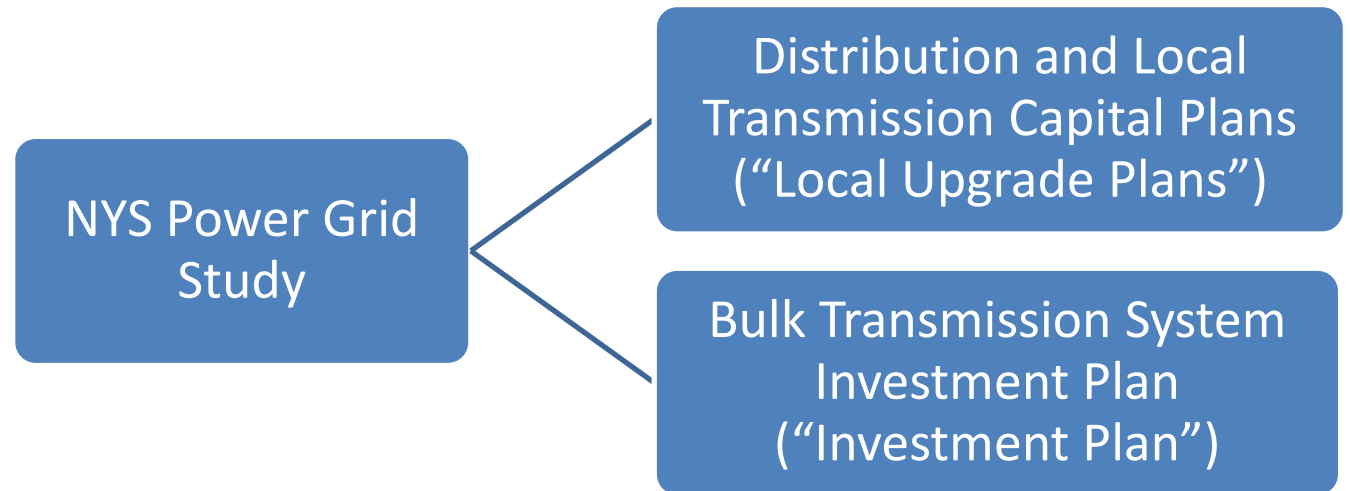
Source: NYISO, Power Trends 2020

Prepare the Electric Grid for Renewable Generation

To implement the goals of the CLCPA, the Accelerated Renewable Energy Growth and Community Benefit Act directs DPS, in consultation with the NYSERDA, NYPA, LIPA, the NYISO, and utilities, to undertake a comprehensive **Power Grid Study**.

The Power Grid Study will:

- Provide input to the plans for distribution and local transmission upgrades.
- Identify bulk transmission projects that can be built through the NYISO Order 1000 process.
- Identify projects that must proceed on an expediated basis.



Questions?

www.nyserda.ny.gov/offshorewind

Offshorewind@nyserda.ny.gov