

New York Renewable Power Profile Dashboard

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Dashboard Overview

- **In ongoing engagements, DNV has provided the NYISO with renewable power profiles for Offshore Wind (OSW), Land Based Wind (LBW), and Utility Scale Solar (UPV) for 2000-2024.**
 - These renewable profiles have been/will be used in planning studies performed by the NYISO, like the System & Resource Outlook.
 - DNV has presented the modeling method for these profiles at various NYISO stakeholder meetings:
 - OSW: February 7, 2023 ICAP/MIWG/PRLWG
 - LBW/UPV: November 21, 2023 ESPWG
 - An updated presentation will occur at an ESPWG sometime this year.
- **The NYISO is also working with DNV to develop a web-based dashboard that will enable stakeholders to download and perform basic analyses on the power profile datasets.**

Dashboard Data

- The dashboard will include the 25-year datasets of simulated hourly generation for applicable solar UPV, LBW, and OSW sites.
- These datasets provide power generation data. They do not provide meteorological data like wind speed, irradiance, etc.

Dashboard Functions

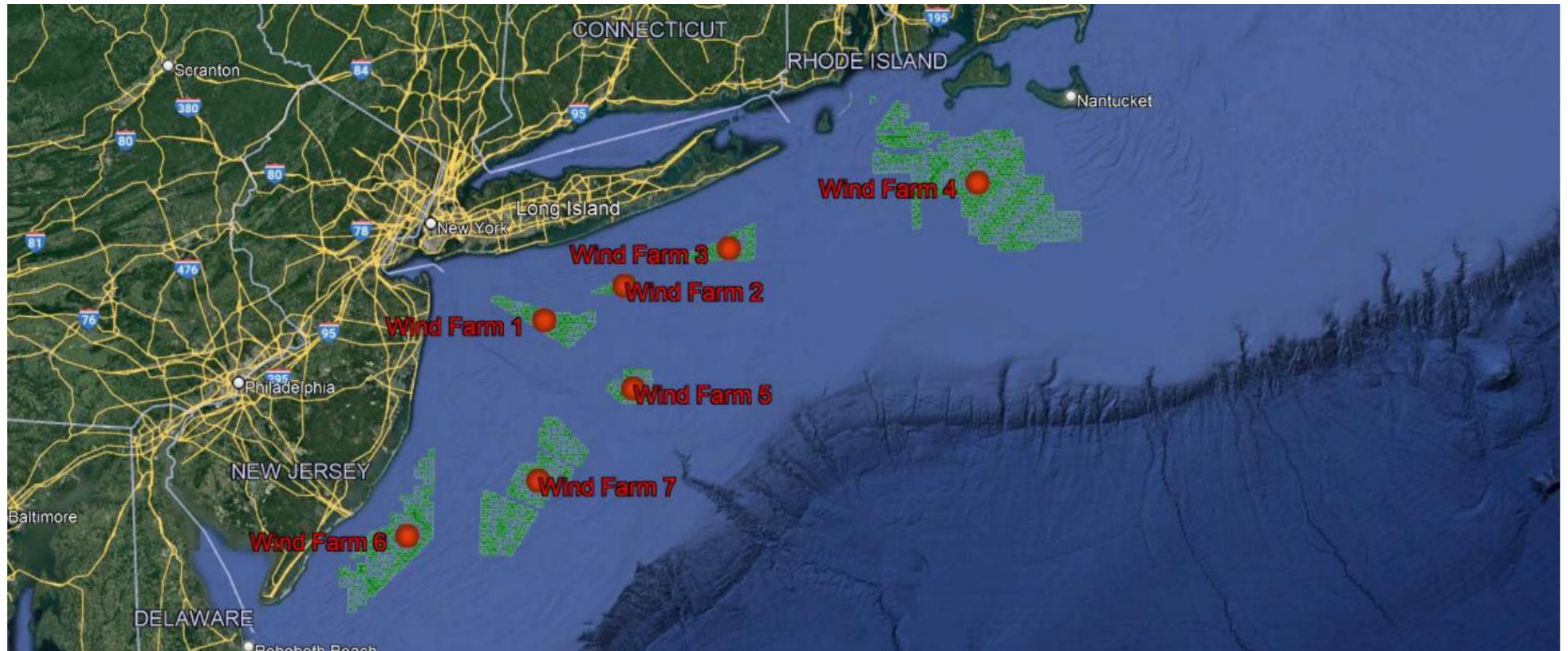
- Ability to download NYISO approved LBW, OSW and UPV modeled historical hourly time series data for offline use in .csv format.
- Multiple analysis options/functions to allow users to generate reports (e.g., data aggregation, full statistics based on user inputs, power profile averaging).
- Ability to view GIS-based map of all modeled LBW, OSW and UPV projects across New York state and ability to display the average Net Capacity Factor (NCF) and Historical Median Net (“NetP50”) estimates.
- Ability to select or group LBW profiles by turbine class (Class 1, 2, 3) and UPV profiles by mounting arrangement (single-axis tracker or fixed-tilt).

Expected Timeline

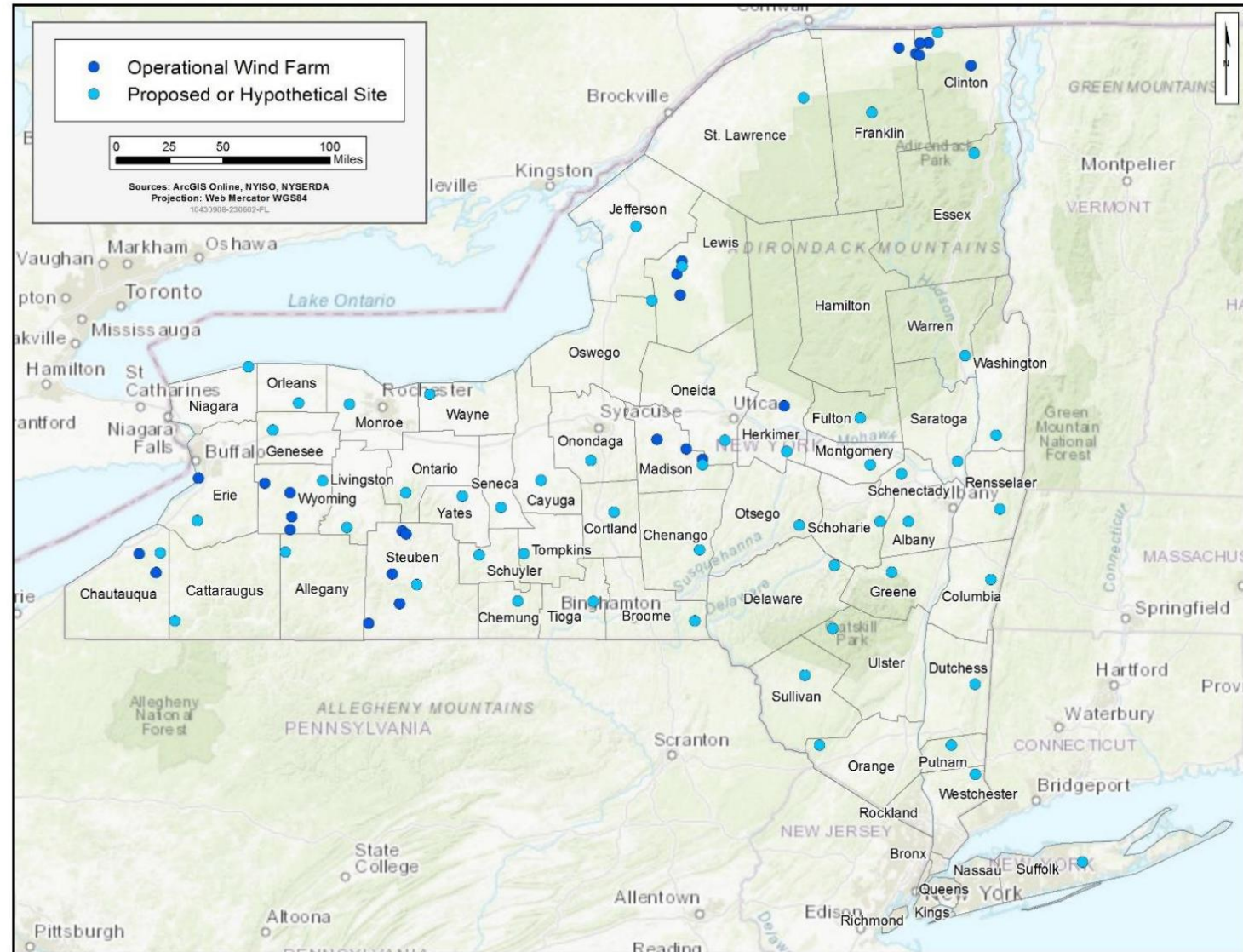
- NYISO will engage with DNV on design and functionality of the dashboard in 2025.
- Stakeholders should be on the lookout for a public version of the dashboard in Q1/Q2 2026.

Appendix

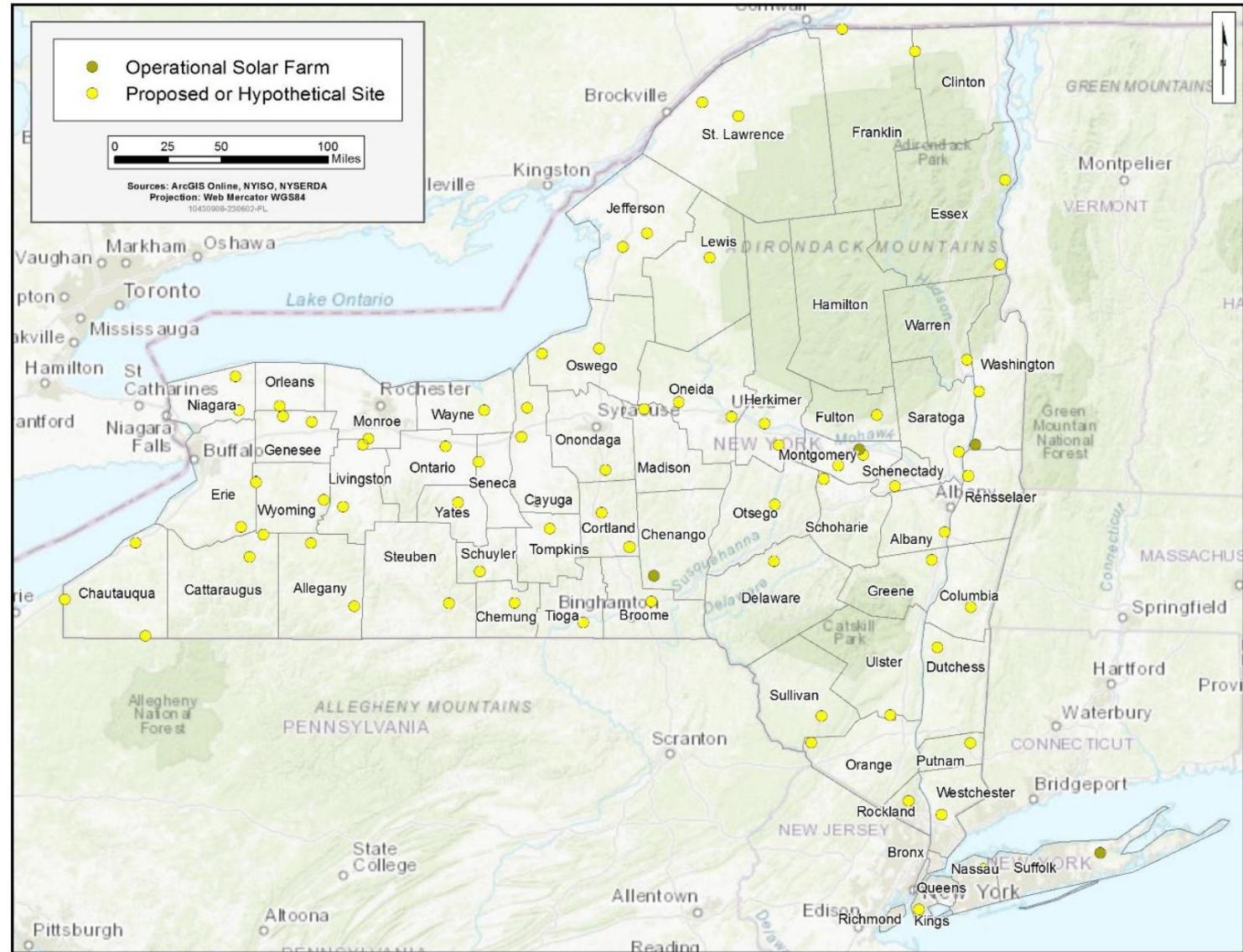
OSW Sites



LBW Sites



UPV Sites



Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation