

For Immediate Release:
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NYISO Marks New Wind Power Record

Total output reached 1,524 megawatts on March 2

Rensselaer, N.Y. – Electricity generated by wind power in New York reached new records at the start of March, according to the New York Independent System Operator (NYISO). The new record of 1,524 megawatts (MW) was set during the 1:00 pm hour on Monday, March 2, 2015.

At the time when wind output reached 1,524 MW, it provided 7% of the 20,894 MW of New York's total system demand. One megawatt is approximately the amount of electricity required to supply 800 to 1,000 homes.

"Wind power continues to grow as a power resource and the NYISO continues to optimize our electric system's use of renewable power," said NYISO President and CEO Stephen G. Whitley.

NYISO market design and grid operations have contributed to New York State's leadership in wind development. Because a wind resource's ability to generate electricity depends on the force and duration of wind, its output may not always match the system's demand for electricity. The NYISO integrates wind resources through its forecasting techniques and power dispatch procedures.

The NYISO developed procedures and deployed software to collect forecasts and real time meteorological data from generating sites to predict the output of each facility. Wind power data is fed directly into the NYISO operational systems that determine the balance of electricity supply and demand. The NYISO dispatches resources to meet electrical demand using a least-cost, bid-based system that recognizes transmission constraints and reliability requirements.

The NYISO was the first grid operator in the nation to enhance its wind management system by enabling wind plant operators to submit offer prices reflecting their cost of operation. That [competitive bid process](#) allows the NYISO to evaluate wind power alongside all other generating resources.

New York's total wind capacity is currently 1,744 MW, with another 2,000 MW of wind power proposals being studied by the NYISO for interconnection to the grid. New York's wind capacity has grown 3,500% from its 2005 level of 48 MW.

"Sustained growth of economical, emission-free, renewable power resources is essential to meeting New York's energy challenges. The NYISO is proud to be playing a vital role in that effort," Whitley noted.

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The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.

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