

Information for Policymakers

Through **expert system operations, planning, and wholesale electricity market design, the NYISO is working to identify the reliability needs of the future grid** envisioned by the CLCPA. We will continue to engage stakeholders and policymakers to design and implement the operations, planning, and market enhancements necessary for the grid in transition.



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



Grid of the Future

New York's climate policies are driving profound changes on the electric system. **The NYISO is at the forefront of this transition.**

Our **studies and reports use various scenarios to identify investments necessary** to support a reliable transition.

Our **ongoing changes to market rules encourage new investments in energy resources** designed to support the transition to renewables while maintaining reliability.

Our Powerful Purpose

- ✓ **Maintaining** and enhancing regional reliability
- ✓ **Operating** open and fair wholesale electricity markets
- ✓ **Planning** the bulk power system for the future
- ✓ **Providing** factual information to policymakers, stakeholders and investors



Our Independence & Transparency



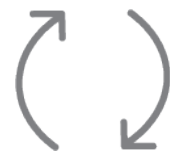
Regulatory & Reliability Organization Oversight

The NYISO serves New Yorkers under the oversight of the **Federal Energy Regulatory Commission**, the **New York Public Service Commission**, the **North American Electric Reliability Corporation**, the **New York State Reliability Council**, and the **Northeast Power Coordinating Council**.



Shared Governance

This is the process used by NYISO and stakeholders for making policy decisions that dictate how New York's electric system and wholesale electricity markets operate. **This transparent and inclusive process ensures that individual interests cannot unduly influence grid reliability or energy market outcomes.**



Independence

The NYISO is transparent, open, and independent of its stakeholders. We are a registered 501(c)3 not for profit corporation. NYISO and its directors, executives and employees are prohibited from having financial interests in any company participating in New York wholesale competitive electricity markets.

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Planning for Reliability

We keep the lights on for New Yorkers by managing today's energy flows and by planning the grid far into the future.

✓ Grid Planning

We conduct both long- and short-term grid studies to identify scenarios in which the grid may lack enough energy or transmission capability to serve New York's electricity demand. **Our planning process identifies reliability needs well before they arise on the system so they can be addressed before they impact New Yorkers.**

✓ Investing for the Future

Like any product, electricity must travel from where it is produced to where it is consumed. **Our Public Policy Transmission Planning Process identifies the transmission investments needed to achieve public policy goals, such as increased renewable energy production.**

Many conditions can impact reliability, including:



Delays in expected transmission and generation capacity expansion



Extreme weather and higher-than-expected demand



Unplanned generator retirements or outages



Gas pipeline shortages that could result in reliability concerns during winter cold snaps

Wholesale Electricity Markets

Every five minutes, 24 hours a day, electricity in New York State is bought and sold through competitive wholesale electricity markets administered by the NYISO.

Effective and competitive wholesale electricity markets:

- ✓ **Shift** the financial risk of investment from consumers to investors
- ✓ **Support** and enhance grid reliability
- ✓ **Create** a cleaner, more cost-efficient grid
- ✓ **Drive** needed energy infrastructure investment to achieve the CLCPA goals

Electricity Markets



Energy is bought and sold to meet day-ahead & real-time commitments

Capacity Markets



Maintain enough generation to meet demand & encourage investment in new technology

Demand Response



Reduce consumption in response to changing system needs

Ancillary Services



Encourage suppliers to provide an array of supporting services to maintain grid operations

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