

# NYISO Control Center Project

## New Primary Control Center

- The New York Independent System Operator's (NYISO) new primary control center project will help to address the growing complexity and demands of a modern, "smarter" electric grid, expand the integration of renewable energy supplies and implement a broader regional markets initiative expected to provide \$190 million in annual savings. The new center will provide the NYISO with needed tools to enhance the reliability of the grid, which is vital to the state's economic growth.
- The 64,000-square-foot facility will feature:
  - A larger, modern control room
  - Office space to house operations staff needed to run the bulk power system
  - A security lobby
- Construction begins in the fall of 2011 and is expected to take 36 months.
- Project costs: \$35.5 million.

## Alternate (Backup) Control Center

- The NYISO's existing control center in Guilderland, N.Y., was built in 1969 by the NYISO's predecessor, the New York Power Pool. It is the oldest of the North American ISO and RTO control centers.
- Various upgrades to the current facility will be made so it can serve as a fully redundant, alternate control center, a requirement the NYISO must meet. An addition will be built at the Guilderland facility to serve as a new data center.
- Project costs for remaining work at the Guilderland facility: \$13.4 million.

## Project Financing

- In April 2011, the New York State Public Service Commission approved the NYISO's request to seek long-term financing for its control and data center projects.
- The NYISO secured a \$45 million mortgage loan facility through a consortium of banks. The NYISO will finance expenditures over a 20-year term, with three years' interest-only payments during construction, followed by 17 years of principal and interest payments.
- The projected cost of the loan financing to the average, residential electric customer is approximately \$0.13 per year, for a total of about \$2.42 over the 20 years of the loan.
- The difference between the total project costs and the mortgage loan facility will be covered through the use of available NYISO funds.
- The overall project will result in annual cost savings to the NYISO (from energy savings and other efficiencies) of approximately \$850,000.

## Project Partners

- U.W. Marx, Inc. is the construction manager and the project's architecture and engineering firm is Woodward, Conner, Gillies & Seleman.

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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.