



Drive the **CLEAN ENERGY** transformation through emissions-free generation

By virtue of its unique position, NYPA can advance decarbonization in support of the state's electricity goal to be 100% emissions-free by 2040.

NYPA aims to build a sustainable and low-carbon energy future while maintaining the reliability of the electric system and the safety of our workforce, through:

- **Expanding our Portfolio of Emissions-Free Resources:** NYPA has a strong track record of executing complex energy infrastructure projects. Leveraging this expertise, NYPA is now set to invest in the planning, design and operation of utility-scale energy projects, including solar, wind and battery storage technologies. This strategic expansion¹ was approved by the New York State 2023-24 Enacted Budget to help meet the objectives set forth in the Climate Act.
- **Enhancing the Value of Hydropower:** Hydropower supports a cleaner, more resilient grid by providing a flexible resource that balances the fluctuations of other renewable energy sources and adjusts to the daily and seasonal changes in supply and demand. By investing in optimizing the operations of this flexible resource, NYPA can better serve its customers and maintain fair system costs.
- **Decarbonizing our Natural Gas Plants:** NYPA is committed to the state's targets to reduce New York's reliance on fossil fuel generation and promote a just transition while maintaining grid reliability.

Measures and Targets:

Deploy additional emissions-free generation

Maintain hydropower's contribution to the grid by generating at least 21 TWh of electricity annually

Reduce emissions from generation to zero by 2035 and by 2030 from our small natural gas power plants in New York City and Long Island, provided certain safety and reliability conditions are met

Enable 450 MW of storage projects by 2030

VISION2030 Accomplishments:

- Generated 21+ TWh of hydropower annually, while providing capacity and ancillary services.
- Implemented modernization upgrades through the Next-Generation Niagara program.²
- Initiated a Reliability Centered Maintenance program to optimize cost, risk, and performance of assets, building on our ISO 55001 asset management certification.
- Deployed 143,000+ data points and 787 digital twins using NYPA's Integrated Smart Operations Center to enable early detection of equipment failures.





Be the leading **TRANSMISSION** developer, owner and operator for New York State

A well-planned large expansion of the transmission grid is critically needed in New York State to relieve congestion, integrate renewables and prepare for load growth.

NYPA serves New Yorkers by bringing clean, reliable energy to where it is needed most. NYPA brings expertise in development, operations and maintenance needed to effectively invest in, develop and operate an advanced, reliable transmission system.

NYPA will strategically prioritize and invest in transmission projects that provide maximum benefit to the people of New York. Our approach to transmission projects will be to streamline processes, reduce transmission losses, lower customer costs and reduce dependency on fossil-fuel power generation, while maintaining reliable operations of our transmission assets.

NYPA's transmission strategy will be realized by:

- **Accelerating the state's most critical transmission projects** by facilitating \$200-\$400 million of annual investment.
- **Concentrating our transmission portfolio** on projects that balance system planning, returns and wider state objectives.
- **Becoming the strategic partner of choice** and building NYPA's transmission brand and capabilities.

Measures and Targets:

Facilitate \$200-\$400 million of annual investment

Achieve top quartile operations and maintenance (O&M) efficiency in transmission

Maintain reliable operation of NYPA's transmission network

VISION2030 Accomplishments:

- **Transmission Life Extension and Modernization:** approximately \$541 million spent through 2023.
- **Propel NY Energy** aims to develop an innovative 90-mile electric transmission solution from Long Island and Westchester County.
- **Smart Path** rebuilds and strengthens the 86-mile Moses-Adirondack transmission line.
- **Smart Path Connect** is modernizing and strengthening approximately 100 miles of transmission in the North Country and the Mohawk Valley.
- **Central East Energy Connect:** NYPA is rebuilding a 93-mile section of transmission lines from the Mohawk Valley to the Capital Region.





Enable **CUSTOMERS** to achieve their decarbonization goals

Our customers are resolute on the critical importance of decarbonization in mitigating climate change, safeguarding the environment, enhancing public health, adhering to regulatory requirements and fostering a sustainable future. As the energy landscape becomes more complex, consumers pursue solutions that are reliable, affordable, clean and convenient.

NYPA serves as a trusted energy advisor and implementor for the state and our customers, employing innovative strategies to facilitate informed decision-making and contribute to the collective endeavor of reducing carbon emissions and fostering a sustainable future. This is accomplished through the provision of valuable insights, allocation of resources, deployment of cutting-edge technology, offering policy insights and facilitating collaboration opportunities. Our strategic plan encompasses the following key initiatives:

- **Clean, Resilient and Economic Electricity:** Enhance customer programs with clean energy choices and foster economic development.
- **Decarbonization Leadership:** Deliver comprehensive decarbonization support, insights and innovative energy solutions to help customers and communities advance high impact decarbonization opportunities.
- **Customer Centricity:** Cultivate a mindset that consistently delivers a unified, personalized and responsive customer experience and firmly positions NYPA as our customers' go-to trusted advisor.

Measures and Targets:

Support **40%** customer GHG Reduction by **2030**

Support customers as they seek to achieve **70%** renewable energy by **2030**

VISION2030 Accomplishments:

- **1+ million** metric tons of GHG avoided through the implementation of energy-efficiency work at customer facilities.
- **450,000+** jobs and **\$54 billion** in capital investment commitments through our economic development programs.
- **500,000+** streetlights converted through our Smart Street Lighting NY program.
- **170 Evolve NY** chargers have been installed at **43 sites** over the past four years. **Thirty-eight** additional sites are in development.
- **62+ MW** of enabled solar installed in partnership with our customers.





Revitalize the New York State CANAL System

The Canal Corporation prides itself on being a steward of the waterways. The Canals represent vibrant hubs of activity that attract visitors and residents, driving economic development across the state.

Through our “Reimagine the Canals” effort, we’ve made significant progress against our five goals: resilience, regeneration, restoration, reuse and retrofit. As we prepare to celebrate the Bicentennial of the Erie Canal in 2025 and evolve into our next period in history, “Revitalizing the Canals,” we are committed to advancing environmental conservation, resilience and economic growth.

As the state celebrates the Erie Canal bicentennial³, NYPA and Canals seek to preserve the heritage of the canal system and maintain it as a source of economic opportunities for the next century of operation. This includes prioritizing safety, incorporating sustainable practices and promoting innovation. To do this, we plan to focus on:

- **Operate, Maintain, and Improve Canal Infrastructure:** Build and sustain a canal infrastructure for the future, prioritizing employee and public safety, sustainability and innovation. Through this, we can continue to demonstrate value and civic benefits for the state.
- **Secure Resources and Funding for Canals:** Source new capital to meet long- and short-term objectives for ongoing asset upgrades, environmental stewardship, resilience efforts and recreational opportunities.
- **Enhance User Experience and Foster Connection, Enjoyment and Respect for Our Resources:** Provide accessible opportunities, encourage sustainable practices, promote environmental education, and foster collaboration and partnerships.

Measures and Targets:

Reduce system downtime/improve system resilience

Improve public safety

Enhance consistency of trailway and system signage

Increase trail and Canal usage

VISION2030 Accomplishments:

- Invested **\$140 million** in Reimagine the Canals to date, including the award-winning Iconic Lighting and Fall Fishing Programs.
- Received historic **\$50 million** capital investment from New York State⁴.
- Launched the Earthen Embankment Integrity Program to implement innovative repair strategies for preserving the Canal System’s embankments, beginning with a groundbreaking project in the Town of Royalton in 2023.

