

Looking Back on 2020



NY Power
Authority

Canal
Corporation

Our Accomplishments

2020 will be remembered as one of the New York Power Authority's most challenging years. Yet, when we chronicle the week-by-week activities of NYPA and Canals, we can all take enormous pride in our ability to keep our employees and workplaces safe across the state while creating a best-in-class COVID Countermeasures Protocol including testing and contact tracing programs. These industry-leading activities were essential because they enabled us to keep our generation and transmission systems available and reliable during the pandemic including sequestering in place our most critical operations employees. Throughout this process, we did everything we could to regularly adjust our capital and O&M program and this enabled us to maintain an impressive level of execution. As a result, working in close partnership with our Board of Trustees, we are able to add a new chapter to the Authority's extraordinary legacy of achievement. Take a look:

Generation and Transmission

Entered Final Phase of Multi-Million-Dollar Project to Improve Digital Communication Infrastructure

In support of Governor Cuomo's proposal to modernize the state's power grid, we are replacing legacy leased communication circuits with new infrastructure that will increase available bandwidth as more digital assets and sensors come online via NYPA's concurrent Sensor Deployment program.

Rebuilding Critical Power Transmission Link in the North Country

Initiated development of a continuous 345 kV path in Northern NY, to expand the deliverability of approximately 1,000 MW of renewable generation and addressing congestion. This is the first Priority Project under the Accelerated Renewable Energy Growth and Community Benefit Act.

Hit First Milestone of \$1.1 Billion Next Gen Niagara Project, a 15-Year Project to Extend Operating Life of New York's Largest Power Plant

We are on a modernization and digitization journey to significantly extend the operating life of the Niagara Power Project. The digitization of the first of 13 hydroelectric generators at the Robert Moses Power Plant is significant because it sets the course for work on the remaining 12 units.

Rebuilding Major North-South Transmission Artery (Smart Path)

We completed the work and energization of the first segment of one of the lines for the Smart Path Transmission project, the upgrade of the Moses to Adirondack transmission lines 1 & 2. The Smart Path project involves rebuilding approximately 78 miles of the total 86-mile transmission artery.

Took Ownership Position in Project to Rebuild Mohawk Valley / Capital Region Transmission Line

NYPA acquired 37.5% ownership stake in the Marcy to New Scotland Project, a Public Policy Transmission Need (PPTN) project to increase UPNY/SENY transfer limit by 350 MW and address system congestion while improving ageing infrastructure.

Energy Efficiency and Clean Energy Services

Began Installation on Energy-Saving LED Streetlights Throughout Utica

The energy efficiency project will save the city more than \$1.5 million annually and reduce greenhouse gas emissions by approximately 2,280 tons a year—the equivalent of taking more than 445 cars off the road.

Partnered with Metropolitan Transportation Authority on Track Lighting Upgrades at Grand Central Terminal

The energy-saving and safety upgrades will reduce greenhouse gas emissions by 1,655 tons a year—the equivalent of taking roughly 325 cars off the road—in addition to significant savings on energy and maintenance costs annually. The \$2.7 million lighting upgrade called for the installation of more than 4,000 platform lighting fixtures on the lower and upper levels of Grand Central Terminal.

Completed \$16 Million Project to Install Smart Energy-Saving Streetlights in Syracuse

This saves the city \$3.3 million annually and reduces greenhouse gas emissions by nearly 8,500 tons a year—the equivalent of taking more than 1,660 cars off the road.

COVID-19 Response

Recognized for COVID-19 Response Efforts

All 120 members of NYPA's IT Department, including the Infrastructure Group, Desktop Support, Enterprise Architecture & Engineering, Resiliency, Cyber Security, Applications & Operations, turned the entire Authority of more than 1,800 employees into a productive work-from-home force in just five

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days. Plant operations staff were successfully sequestered and NYPA continued to provide critically needed power to established medical centers, field hospitals, makeshift tent health facilities, and the converted Jacob K. Javits Center in Manhattan. We kept our employees and workplaces safe and instituted a best in class Countermeasures Protocol including SUNY Clarifi COVID-19 testing—one of least invasive and most accurate methodologies in the world—and contact tracing programs, while keeping our generation and transmission systems available and reliable during the pandemic.

[Offered Relief Program for Economic Development Power Customers](#)

We are providing fiscal relief to our economic development power customers during the ongoing COVID-19 pandemic, waiving applicable energy and demand rate increases.

E-Mobility

[Unveiled First EVolve NY High-Speed Electric Vehicle Charging Hub in Mid-Hudson Region](#)

Completed as part of the State's EVolve NY program—a NYPA initiative to aggressively accelerate adoption of electric vehicles by providing drivers with quick, easy and convenient charging options—the four new direct current fast chargers are located at Tops Friendly Markets in LaGrangeville in Dutchess County.

[Installing Electric Vehicle Charging Stations at New York State Thruway Park & Ride Commuter Lots](#)

The Level 2 charging stations, provided through the state's EVolve NY and Charge NY programs, will promote cleaner mobility and help reduce greenhouse gas pollution generated by the transportation sector to improve the public health and quality of life for all New Yorkers.

[Finished Largest Public Electric Vehicle Fast-Charging Station in the Northeast at JFK Airport](#)

The 10-port charging station is part of a joint initiative by NYPA and the Port Authority of New York and New Jersey to reduce New York State's carbon footprint and improve air quality by incorporating electric vehicle technology throughout John F. Kennedy International and LaGuardia airports.

Economic Development

[Completed \\$51 Million Expansion at Anchor Glass in Chemung County \(ReCharge NY\)](#)

ReCharge NY has been a great benefit to the Southern Tier, creating nearly 750 jobs in the region since power was first provided under the governor's program in 2012. This completed expansion at Anchor Glass signals the company's strong commitment to the area.

[Approved Economic Development Awards Supporting More than 620 Jobs Across the State](#)

These 11 economic development awards will support more than 620 jobs across the state and spur more than \$127 million in private capital investments. Eight of the awards are being provided through ReCharge NY energy allocations, while the remaining three are tied to specific initiatives focused on Western New York.

Energy Storage

[Started Large-Scale Energy Storage Project in the North County](#)

This innovative facility, located in Franklin County, will advance progress toward achieving New York's ambitious target to have 3,000 megawatts of energy storage deployed by 2030—the equivalent of powering 40 percent of New York's homes.

Diversity, Equity and Inclusion/ Environmental Justice

[Transitioning NYPA's Natural Gas 'Peaker' Plants to Cleaner Energy Technologies](#)

With PEAK Coalition, we unveiled an agreement to assess how NYPA can transition its natural gas fired "peaker" plants, six located in New York City and one on Long Island with a total capacity of 461 megawatts, to utilize clean energy technologies while continuing to meet the unique electricity reliability and resiliency requirements of New York City.

[Introduced 10-Point Diversity, Equity and Inclusion Plan](#)

The plan supports the development, retention, promotion and engagement of staff through training, career and leadership programs, and hiring a workforce that reflects the diverse communities NYPA serves.

Canals

[Reimagining the Iconic Erie Canal](#)

We are leading the efforts to create recreational activities on the Canal to boost tourism, mitigate flooding, enhance irrigation and recreational fishing, and restore wetlands.

Puerto Rico

[Deployed to Puerto Rico to Assist with Earthquake Response](#)

In addition to helping to restore power after the earthquake, we are collaborating with Puerto Rico Electric Power Authority to harden Puerto Rico's electric system so it is better prepared to withstand natural disasters in the future.

And More...

[Maid of the Mist Launches First All-Electric Vessels in the Nation](#)

NYPA is providing clean, renewable hydropower for the operation of the vessels at Niagara Falls and has provided technical support on the electrification process. We are also monitoring electricity usage for the boats to ensure they are energy efficient and cost effective.

[Won Bond Buyer's Deal of the Year 2020 Award in the Northeast Region](#)

We were recognized for our April sale of more than \$1.2 billion in bonds to finance capital expenditures related to transmission assets and other capital projects. The bond sale—which included nearly \$800 million dedicated as Green Bonds—directly supports the transmission of clean energy throughout New York and the creation of the future digital grid.