

## 2800 ANNUAL REPORT 2023 OPERATING

### FACILITIES

#### NEW YORK POWER AUTHORITY:

##### ST. LAWRENCE-FRANKLIN D. ROOSEVELT POWER PROJECT

Type: Hydroelectric

Location: Massena, St. Lawrence County

Net Dependable Capacity: 823.0MW\*

First Commercial Power: July 1958

2023 Net Generation: 7,126.8 GWh

##### NIAGARA POWER PROJECT

Type: Hydroelectric

Location: Lewiston, Niagara County

Net Dependable Capacity: 2,675.0MW\*

First Commercial Power: January 1961

2023 Net Generation: 15,473.7 GWh

##### BLENHEIM-GILBOA PUMPED STORAGE POWER PROJECT

Type: Pumped Storage/Hydroelectric

Location: North Blenheim and Gilboa,  
Schoharie County

Net Dependable Capacity: 1,167.5MW\*

First Commercial Power: July 1973

2023 Gross Generation: 299.5 GWh

##### RICHARD M. FLYNN POWER PLANT

Type: Gas/Oil

Location: Holtsville, Suffolk County

Net Dependable Capacity: 149.5MW\*

First Commercial Power: May 1994

2023 Net Generation: 401.9 GWh

##### FREDERICK R. CLARK ENERGY CENTER

Function: Coordinates NYPA system operations

Location: Marcy, Oneida County

Opened: June 1980

## SMALL HYDRO FACILITIES

Located on reservoirs and waterways around the state, these facilities include the Ashokan Project, Gregory B. Jarvis Plant, Crescent Plant and Vischer Ferry Plant

Combined Net Dependable Capacity:	36.8 MW*
2023 Net Generation:	164.9 GWh

## SMALL CLEAN POWER PLANTS

Type: Gas

Location: Six New York City sites and Brentwood, Suffolk County

Net Dependable Capacity:	456.8 MW*
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First Commercial Power: June 2001

2023 Net Generation:	489.9 GWh
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## EUGENE W. ZELTMANN POWER PROJECT

Type: Gas/Oil

Location: Astoria, Queens County

Net Dependable Capacity:	508.2 MW*
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First Commercial Power: December 2005

2023 Net Generation:	3,412.9 GWh
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\* Net Dependable Capacity is a calculated average of the Winter and Summer net capability reported in the 2023 New York Independent System Operator Load & Capacity Data Report (Gold Book).

## HUDSON TRANSMISSION PROJECT (HTP)\*\*\*

Type: High-Voltage Transmission Line

**Location:** Seven-mile cable, 230-kV line from Public Service Electric & Gas Co.'s Bergen Substation in Ridgefield, NJ, to Consolidated Edison Co.'s West 49th St. Substation (345 kV line from the HTP converter station to NY) in Manhattan. (Includes approximately 3 1/2-mile Hudson River underwater section)

Capacity: 660 MW

First Commercial Operation: June 2013

Average 2023 Availability to Transmit Power: 97.4%  
Availability Hours: 8,532 Hours

\*\*\* NYPA has a 20-year firm transmission capacity purchase agreement with Hudson Transmission Partners, LLC, the developer, owner and operator of the line, which connects with a neighboring regional transmission organization, PJM Interconnection. NYPA contracts for 87 percent of HTP's transmission capacity, or up to 575 MW.

## NYPA TRANSMISSION FACILITIES

1,550.5 circuit-miles of alternating current transmission lines.

Size	Underground	Overhead	Total
765kV	0.0	155.2	155.2
345kV	42.8	977.2	1,020.0
230kV	0.0	338.1	338.1
115kV	1.8	35.4	37.2
Total	44.6	1,505.9	1,550.5

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## **NEW YORK STATE CANAL CORPORATION - CANAL SYSTEM:**

The Canal Corporation runs the New York State Canal System, which includes the Erie, Champlain, Oswego, and Cayuga-Seneca canals. Spanning 524 miles, the waterway links the Hudson River with the Great Lakes, the Finger Lakes, and Lake Champlain. The Canal System includes the Erie Canalway Trail, a multi-use trail designed to accommodate pedestrians, bicyclists, and cross-country skiers. The Canal System includes 57 locks, 23 guard gates, 19 movable bridges, 2 guard locks, and other Canal structures and adjacent property.