

Modernizing Brooklyn's Power Infrastructure

Advanced repowering of the Gowanus and Narrows generating stations with state-of-the-art clean technology will support grid reliability, renewable energy, and economic growth while dramatically reducing emissions.

819

Total MW Capacity

50%

Cleaner & More Efficient

12

Emissions Controlled,
Hydrogen Capable
Turbines

<10

Minute Start Time

A BRIDGE TO NEW YORK'S CLEAN ENERGY FUTURE

Brooklyn's Gowanus and Narrows generating stations have provided reliable electricity to New York City for over 50 years. However, due to aging equipment, challenging market dynamics and changing environmental standards, it's time to modernize these facilities with state-of-the-art technology.



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Project Benefits

- ✓ Dramatic emissions reductions for all major pollutants
- ✓ Enhanced efficiency with advanced turbines
 - Improved reliability for Sunset Park and surrounding communities
- ✓ Critical black-start capability for system resilience
- ✓ Faster response times (under 10 min vs. 15 min)
- ✓ Storm-resilient barge-mounted design
- ✓

Technical Advantages

- ✓ State-of-the-art aeroderivative gas turbine technology
- ✓ Dual-fuel (natural gas and ultra-low sulfur diesel) & hydrogen capability
- ✓ Reduced water footprint (4 to 2 barges at Gowanus & 2 to 1 at Narrows)
- ✓ Enhanced aquatic habitat from smaller footprint
- ✓ Modern emissions controls and monitoring systems
- ✓ Proven turbine design with 35-year operational life

Economic Impact

- ✓ Union workforce for all construction activities
- ✓ Local hiring prioritized for installation work
- ✓ Turnkey delivery minimizes construction timeline
- ✓ Supports grid stability for economic development
- ✓ Critical infrastructure for data centers, manufacturing
- ✓ Maintains essential peaking capacity for reliability

Grid Reliability

- ✓ Essential for local electrical reliability
- ✓ Supports integration of renewable energy sources
- ✓ Addresses declining statewide capacity margins
- ✓ Quick-start capability for emergency response
- ✓ Complements renewable energy variability
- ✓ Strategic location in constrained transmission area

Success depends on policy support. These critical infrastructure investments require state regulatory support and willing third-party contractors. Current regulatory uncertainty in New York creates significant challenges that must be addressed to move forward with these reliability-enhancing improvements.