



Summer Readiness and Storm Preparations

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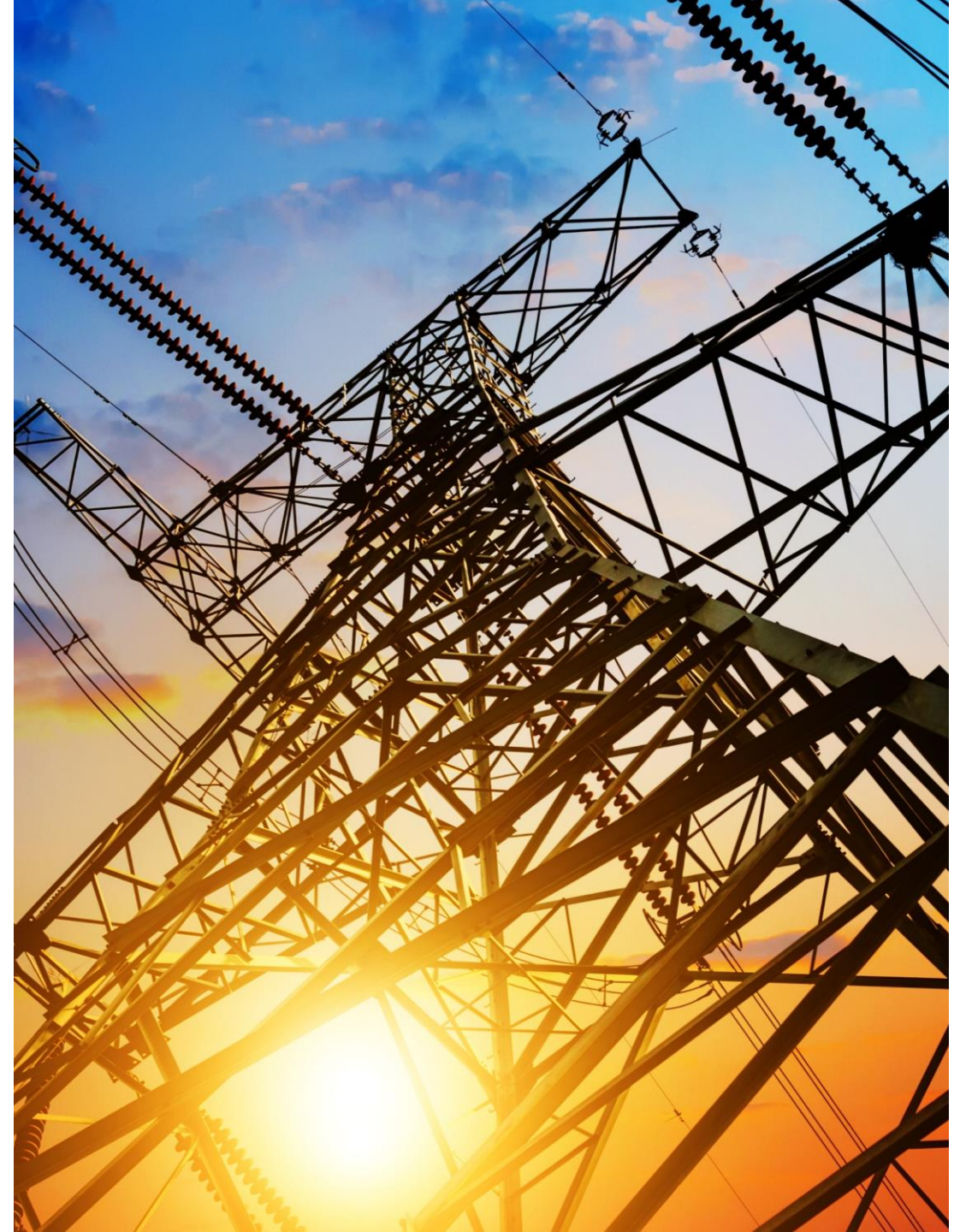
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Agenda

- ↗ Heat Wave Readiness and Storm Hardening Effectiveness
- ↗ Discussion of Electric Infrastructure Improvements and Maintenance Efforts
- ↗ System Margin - Peak Demand, Intertie and Resource Capability
- ↗ Storm Readiness and Process Improvements

2026 Heat Wave *Readiness*

- T&D system enhancements, Storm Hardening work and maintenance efforts across Long Island and Rockaways have resulted in an improved system reliability and resilience
- T&D investments have strengthened the system, so fewer customers experience outages with shorter duration, as demonstrated in June 2025 heat wave
- 2025 summer had the highest peak demand in the last decade
 - 2025 heat storm had 4 consecutive days above 100°F
 - June 24 Peak “Feels Like” 106.7° F
 - Outages impacted less than 3% of customers with an average restoration time of 1.7 hours

Electric Grid is ready to meet peak demand for high heat days

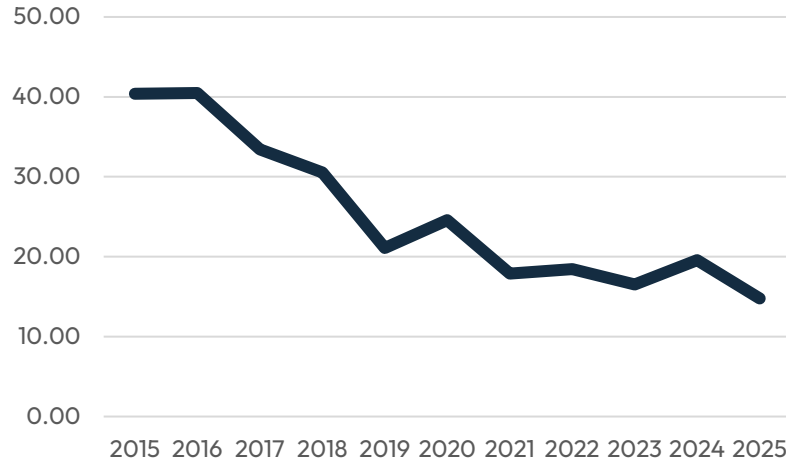


Storm Hardening *Effectiveness*

↗ Reliability performance of storm hardened circuits has significantly improved over the last decade

Main Line - SAIDI

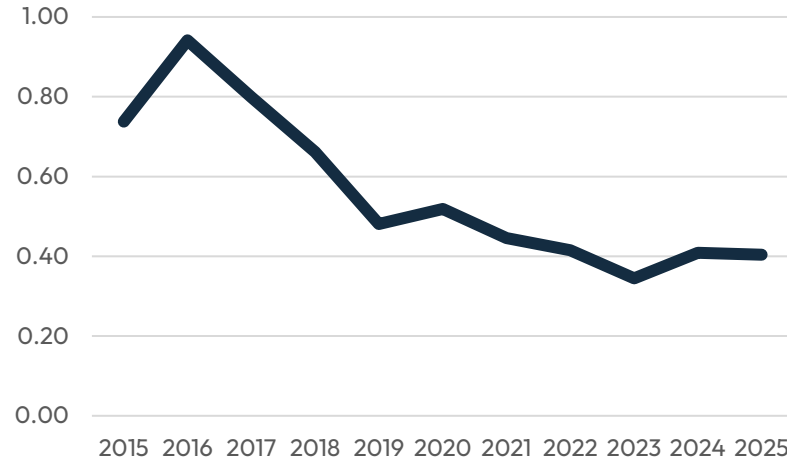
Hardened Circuits



63% improvement in duration of outages

Main Line - SAIFI

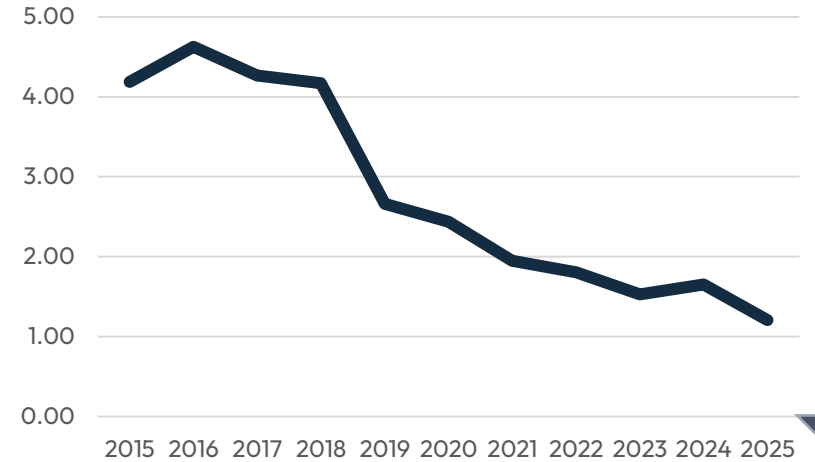
Hardened Circuits



45% fewer sustained interruptions

MAIFI

Hardened Circuits



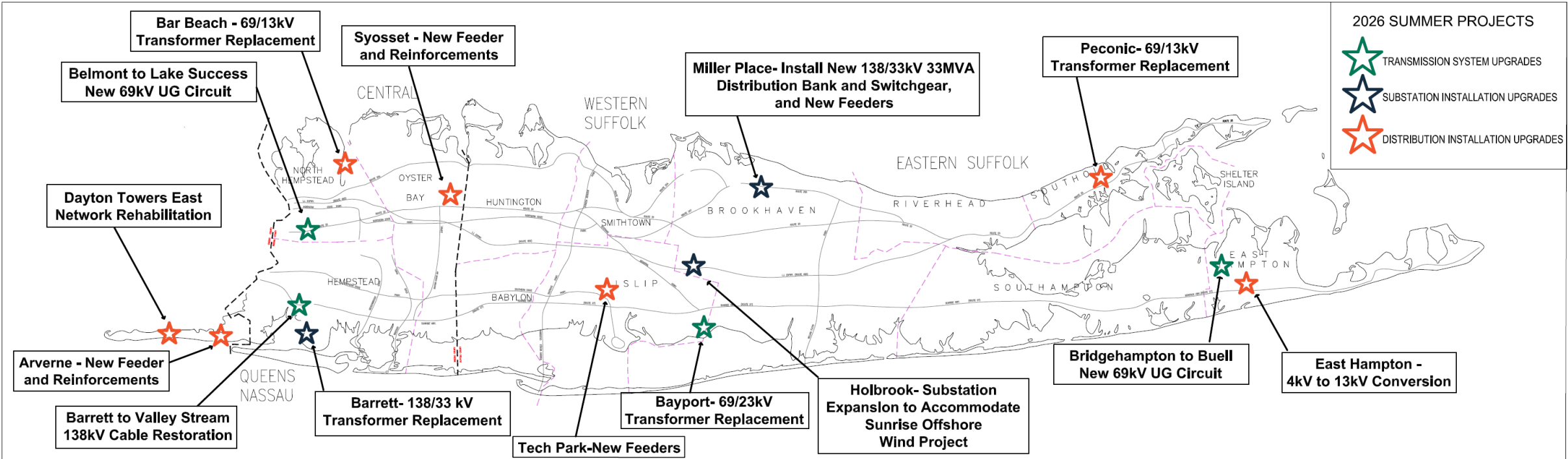
71% less momentary interruptions



Continued storm-hardening and system investments are strengthening overall system and customer reliability.

Major Electric Infrastructure *Improvements*

↗ Continue to implement numerous Transmission and Distribution system upgrades to reliably serve the summer peak demand



Electric T&D *Maintenance*

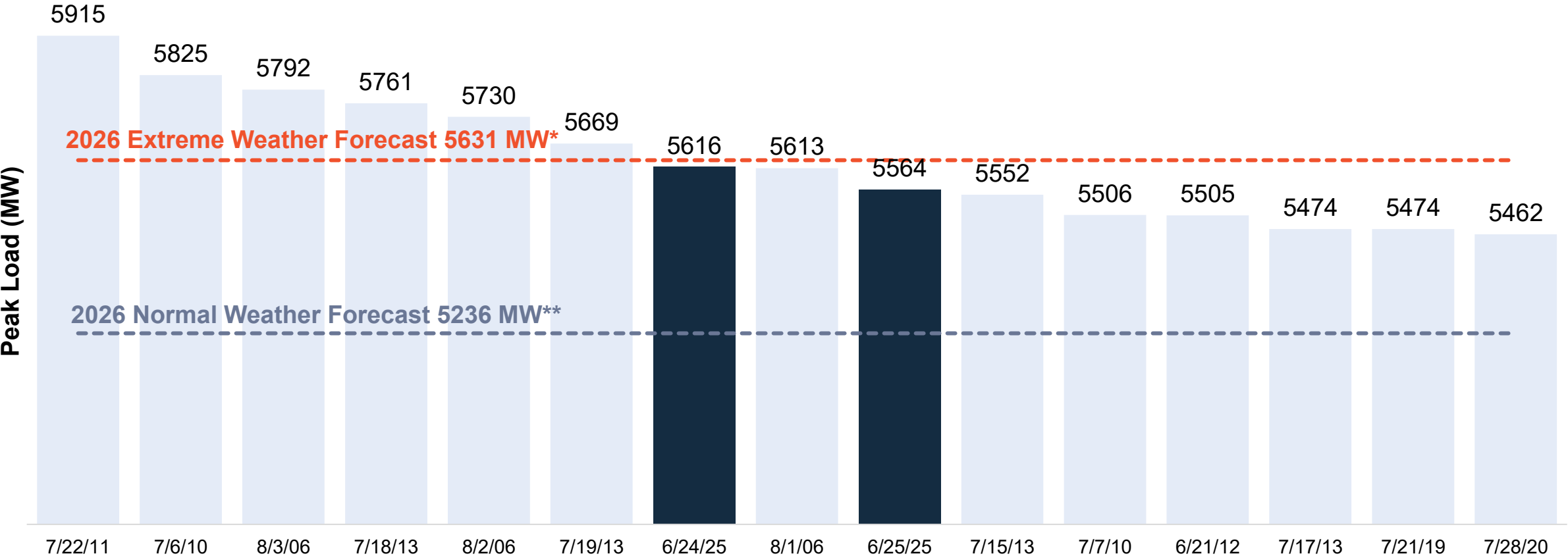
↗ Numerous maintenance activities are scheduled to be completed prior to summer period

- Inspect 1,668 capacitor banks and make repairs
- Trim 50% of 2026 transmission and distribution circuit mileage plan
- Perform thermographic analysis of critical substation facilities and address substandard conditions, as required
- Patrol and repair on subset of substandard conditions on 400 miles of lower performing mainline and branch taps
- Perform periodic environmental and general substation inspections
- Complete pre-summer substation equipment maintenance as required (transformer cooling, batteries, breakers and pumphouse equipment)
- Perform annual oil inspection and monthly visual inspection of mobile banks and spare transformers
- Perform summer readiness inspection



15 All-Time High *Peak Load Days*

↗ Forecasted 2026 extreme weather peak load is similar to actual experienced peak in 2025

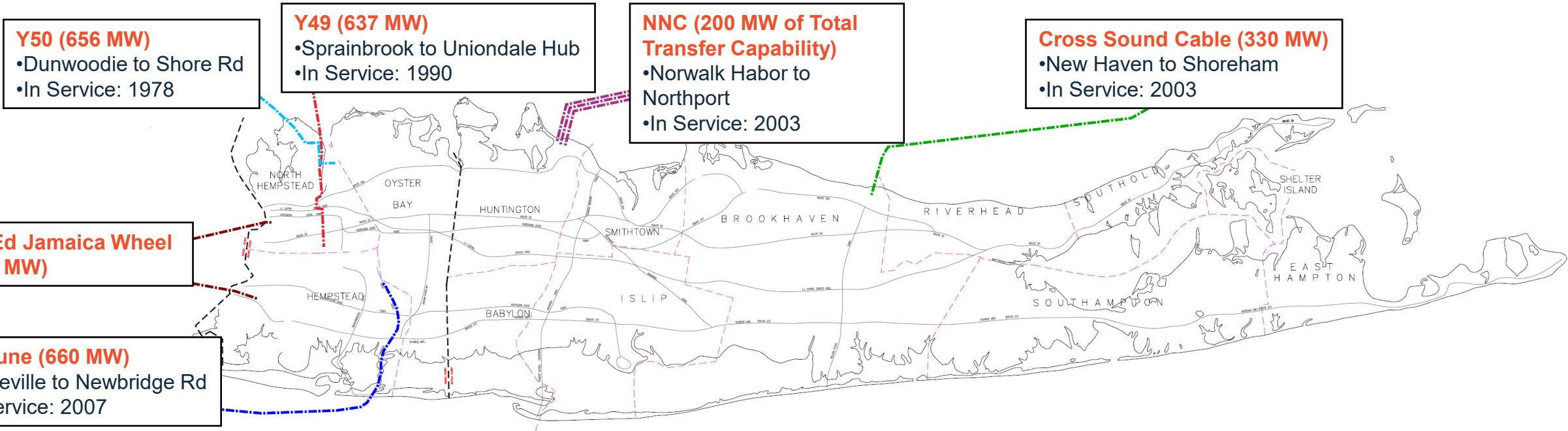


References:

- Extreme weather* – Peak load forecast is based on weather conditions that are expected to occur only once every 10 years
- Normal weather** – Peak load forecast is based on weather conditions that are expected to occur once every two years

Transmission *Interconnections*

↗ Intertie cables from NYC/Hudson Valley, New Jersey and Connecticut are critical supplies to meet the peak demand



- Total Net Imports – 2183 MW
- The Total Transfer Capability of Norwalk Harbor to Northport 138 kV cable (NNC) is restored to 200 MW for summer 2026

Transmission System is projected to have sufficient capability for the summer operating period

Summer Resource *Capability*

↗ All units go through maintenance, inspections, and repairs as required

- Total On-Island Resource Capability : 4,807 MW
- 168 MW of generation unavailable for summer 2026
- Projected Summer On-Island Resource Capability: 4,639 MW
 - 52% of the existing generation fleet is already over 50 years old, and by 2035, 61% of Long Island's generation fleet will exceed 50 years of age
 - Closely working with generator owners with respect to repair plans and reviewed contingency plans for units that are not available for summer
 - Focused on load pockets that have limited generation resources for this summer

Reviewed resource capability and applicable contingency plans to support peak demand



System Demand, Capability and Margins

		Normal Weather (MW)	Extreme Weather (MW)
Generation		4,639	4,626
Inter-ties	+	2,183	2,183
Total Supply		6,822	6,809
Peak Load		5,236	5,631
Load Reduction + Load Modifiers ¹	-	159	159
Net Load		5,077	5,472
Margin (Total Supply-Net Load)		1,745	1,337

- Operating procedures will be implemented, as required, to maintain system reliability during both normal and extreme weather conditions

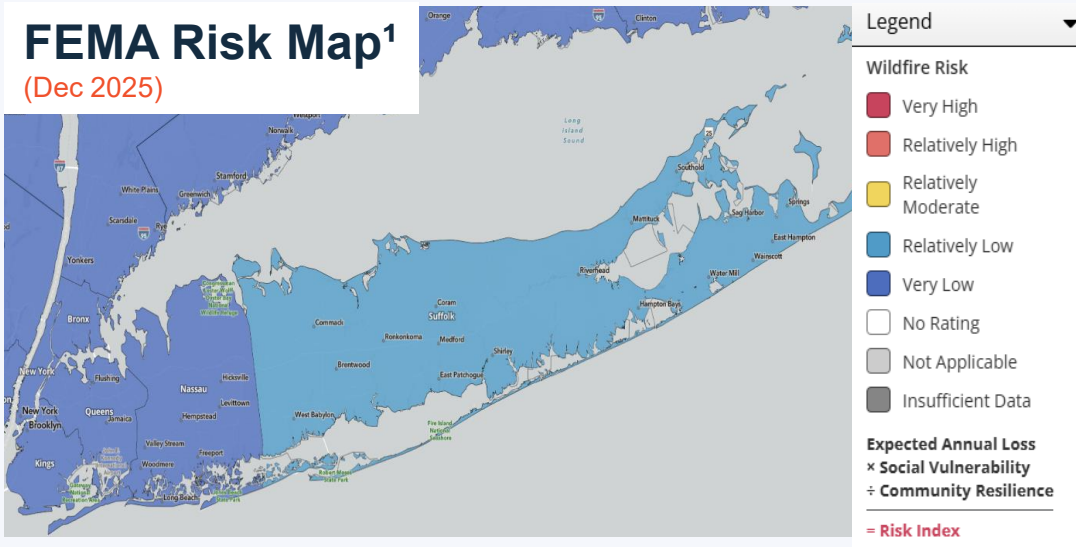
Sufficient margins exist for applicable design contingencies under 2026 forecast

¹Based on July 2025 peak day experience, Load Reduction includes 12 MW of Commercial System Relief Program / Distribution Load Relief program and 30 MW of Smart Savers Direct Load Control Program. Load modifiers include 117 MW of Solar PV, Fuel Cells and Batteries acquired through FIT and RFP efforts.

Wildfire Risk

➤ As Part of Summer Readiness, we also consider Wildfire Risks, a Major Issue in the Utility Industry

- Risks - Utility infrastructure can ignite fires, and existing wildfires can destroy utility assets
- Core ignition risks include Vegetation Contact, Infrastructure failure, Downed Power Lines due to Weather, Foreign Objects such as animals contact and Foil Balloons
- Highest Risk for region is relatively low with the Suffolk County Pine Barrens Region most susceptible



➤ Included as an increasing Risk in the ERM Major Storm Risk Register Profile

- Development of an Incident Action Plan/Playbook
- Participation in Central Pine Barrens Commission Wildfire Task Force (* Chaired by PSEG LI employee)
- Best Practices Coordination with PSE&G NJ including the use of AI wildfire detection camera
- Use of Fire Alert Process to distribute Red Flag Warnings to internal Stakeholders for Situational Awareness
- Mitigation Activities: ROW maintenance, Veg Management, Annual Aerial Patrols, Distribution Reclosers

¹FEMA National Risk Index Map (December 2025) - <https://hazards.fema.gov/nri/map>

Storm Readiness - Exercises

➤ A key aspect of Storm Preparedness is our program that exercises all aspects of storm performance - T&D Divisions, IT systems, Customer, Communications and other support functions

West & East Branch Tabletop Exercises

- March 24th (West) ✓
- March 26th (East) ✓

OMS Bi-Annual Stress Tests
Contact Center as a Service (CCaaS) IVR End-to-End Test

- OMS CAD & SAS VA DR Failover Test - March ✓
- Cycle 1: 12-Hour Test - April ✓
24-Hour Test - May
- Cycle 2: (September - November)
CCaaS Test - May ✓

Division Operations Functional Exercises

- April 14-16th (Brentwood) ✓
- April 21-23rd (Hicksville) ✓
- April 28-30th (Hewlett) ✓
- May 5-7th (Riverhead) ✓

Alternate Control Center (ACC) Drill

- May 5th ✓

Energy Management System (EMS) Loss of Critical Systems Tabletop Exercise

- May 12th ✓

Load Shed/Communication & Mitigation Implementation Team (COMMIT) Tabletop Exercise

- May 19th ✓

Annual Hurricane Tabletop Exercise

- May 28th

Municipal Portal Access Day Drill

- June 3rd

Restoration Contingency Functional Exercise

- June 9th

Call Center Business Continuity Drill

- June 24th

Communications Tabletop Exercise

- June 25th

Logistics Tabletop Exercise

- September 15th

Foreign Crew Processing (FCP) Functional Exercise

- September 30th

Restoration Flooding Function Exercise

- October 22nd

Crisis Management Team (CMT) Tabletop Exercise

- October



Storm Readiness - *Improvements*

➤ We have made significant Improvements in our Storm Process over the past years and continue to identify new opportunities

- **ERP** - 2026 Emergency Restoration Plan (ERP) adopted by NYS DPS on 3/23/2026
- **OMS System** – Failover Test of OMS CAD application and /SAS application to Disaster Recovery (DR) site successfully completed - 50% process improvement in downtime from 4 hrs to 2 hrs recovery time objective achieved with zero data loss
- **AMI** - Installation of Solar battery backup technology for AMI system to extend the battery life in the event of an outage to the AMI collectors (36 completed, 24 in 2026, 24 in 2027). Upgrade of Collector single modem to dual modem to allow for carrier redundancy.
- **Outage Map** – Upgraded Kubra Outage Map platform to latest cloud offering to enable quicker innovation, stronger security, advanced analytics to improve customer experience and richer contents on Banner Alerts.
- **Communications** – Strengthening Targeted Communications Strategy to deliver timely, customized engagement for customers impacted by extended outages, improving transparency, trust and overall customer experience.
- **Mutual Aid** - Introduced Digital Mutual Aid Safety Onboarding to enhance and expedite safety onboarding
- **Storm Hardening** – 10,000 Branch Line Reclosers installed by October 2026
- **Storm Contracts** – Awarded new FEMA Compliant Storm Contracts for Base Camps, Low Voltage and Helicopter Services
- **Wire Down Efforts** – New FD/PP Website Page and Updated *Electric Emergency Guide* for Emergency Responders to aid in identifying and reporting damage to electric facilities



Key Takeaways

↗ ***PSEG Long Island*** is prepared to provide safe and reliable electric power to 1.2 Million customers for the upcoming summer peak demand and storm events

- Electric Infrastructure improvements and hardening efforts have significantly improved reliability and electric system is ready for high heat days and storm events in the coming months
- Sufficient resource margins exists for the forecasted normal and extreme weather conditions
- Reviewed the risk of Wildfire and developed an incident action plan
- Implemented significant improvements to storm processes and completed storm preparedness activities
- Completed testing of IT critical systems that support storm restoration
- Conducted employee training and exercises in support of storm role



 Thank
you