

Oversight & Clean Energy Committee

Capital Program and FEMA Project Update

2021 PSEG LI Capital Program – Update

	Approved Budget	Year To Date May		YTD May Under/(Over)	Projected Year End	Projected Year End Under/(Over)
		Plan	Actuals			
Transmission & Distribution	\$514,429	\$233,785	\$209,720	\$24,065	\$515,410	(\$981)
Information Technology	\$49,647	\$13,323	\$21,749	(\$8,426)	\$64,056	(\$14,409)
Customer Operations	\$17,282	\$7,165	\$4,947	\$2,218	\$16,256	\$1,026
Facilities	\$11,517	\$2,156	\$1,568	\$588	\$11,156	\$361
Fleet	\$9,719	\$0	\$10	(\$10)	\$9,721	(\$2)
Utility 2.0	\$95,739	\$37,528	\$34,308	\$3,220	\$93,571	\$2,168
Sub-Total	\$698,333	\$293,957	\$272,302	\$21,655	\$710,170	(\$11,837)
FEMA	\$24,414	\$13,794	\$11,473	\$2,321	\$25,130	(\$716)
TOTAL	\$722,747	\$307,751	\$283,775	\$23,976	\$735,300	(\$12,553)

PSEGLI 2021 Capital Budget Summary - T & D

	Approved Budget	Year To Date May		YTD May Under/(Over)	Projected Year End
		Plan	Actuals		
Regulatory	\$6,000	\$4,126	\$875	\$3,251	\$2,955
Load Growth	\$214,349	\$97,072	\$84,225	\$12,847	\$202,417
Reliability	\$196,212	\$84,393	\$80,472	\$3,921	\$203,528
Other	\$27,867	\$15,294	\$5,078	\$10,216	\$24,528
Power On	\$70,000	\$32,900	\$39,070	(\$6,170)	\$81,984
Sub-Total	\$514,429	\$233,785	\$209,720	\$24,065	\$515,410

Major Specific Projects with 2021 Projected Year End Under-Runs

Project Title / Description	Underrun Comments
Western Nassau Transmission Project (WNTTP)	Construction costs lower than estimated
Captree-Robert Moses Trans. Cable Circuit 23-738	
Ruland Rd. to Plainview New 69KV Circuit	
East Garden City Switchgear Replacement	Risk & Contingency (R&C) cost lower than forecasted
Ronkonkoma-New Transformer Bank and Assoc C&R	
Riverhead-Canal New 138kV Cable & Xfmer	
Roslyn - Inst 138/13kV 33MVA Bk & Swgr	
Wildwood-Rvrhd 69kV Ckt Upgrade to 138kV	

Major Projects In Service Date by June 30, 2021

Major projects completed and In Service:

- Transmission System Installations/Upgrades
 - New East Garden City to Valley Stream 138 kV cable
 - New Riverhead to Canal 138kV Cable & Transformer
 - Riverhead to Wildwood; Upgraded 69 kV circuit to 138 kV
- Substation Installations/Upgrades
 - Belmont: Installed second 28MVA bank, switchgear and feeders (Energized New Arena)
 - Flowerfield: Replaced 6.25MVA and 13.5MVA banks with 2-33MVA banks and associated distribution
 - Lindbergh: Installed new 33MVA banks, switchgear and feeders
 - Roslyn: Install one 33MVA bank, switchgear & feeders
 - Ronkonkoma: Replaced switchgear
 - Far Rockaway: Replaced two 14MVA banks with 33MVA banks
 - Culloden Pt: Replaced one 14MVA bank with 33MVA bank
 - Fire Island Pines: Replaced Metal Clad Switchgear
 - Barrett: Reconfigured 2WB 33kV Bus
- Distribution System Installations/Upgrades
 - Kings Point: 4kV to 13kV conversion
 - Massapequa: Overhead reconductoring
 - North Hills: Overhead reconductoring
 - Mitchel Garden: Overhead reconductoring
 - Rockaway Beach: New feeder & 4kV to 13kV conversion
 - Lake Success: Overhead reconductoring

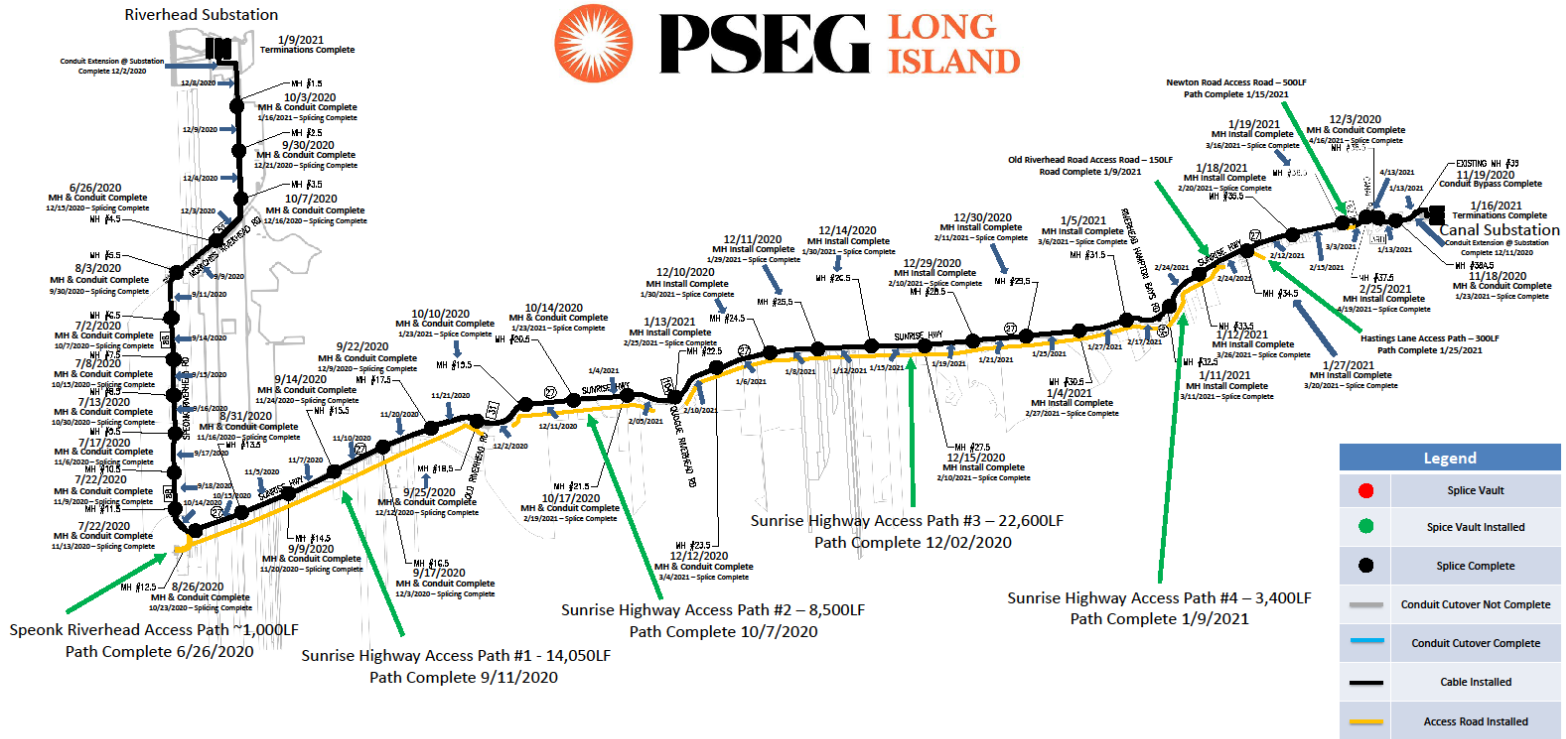
Riverhead to Canal - New 138 kV Transmission Line

- **Scope of Work:**
 - Total length of circuit: 16.2 miles
 - Manholes Installed: 39
 - Cable Pulls: 120 Cable Reels
 - Splices Installed: 117
 - Terminations Installed: 6
 - Total length of access roads built: 9.56 miles
 - Expansion of 2 substations
- Article VII - EM&CP Approval Received April, 24, 2020
- Construction started May, 18 2020
- Energized on April 20, 2021
- Total Project Cost \$82.5

Riverhead to Canal - New 138 kV Transmission Line

RIVERHEAD TO CANAL TRANSMISSION PROJECT
(RTC)

SECOND 138-kV UNDERGROUND XLPE CABLE CIRCUIT
RIVERHEAD – CANAL



Legend	
●	Splice Vault
●	Splice Vault Installed
●	Splice Complete
—	Conduit Cutover Not Complete
—	Conduit Cutover Complete
—	Cable Installed
—	Access Road Installed

Riverhead to Canal - New 138 kV Transmission Line



Single Piece Precast Manholes and Split 2 Piece Manholes

Riverhead to Canal - New 138 kV Transmission Line

Canal Substation



Transformer Transport - By Land & Sea



Power On Hardening Program

- Distribution System - Hardening of Infrastructure
 - Focused on Main Line Distribution circuits

Scope of Work:

- Pole Replacements – Increase size and class with improved structural backfill
 - Pole Head Configuration – Redesign with tighter profile to better withstand tree impact
 - Wire Replacement with improved tree guard insulation
 - Installation of Auto Sectionalizing Switches
 - Transition to Branch Line Circuits in Outer Years of Program
- 2021 Budget - \$70 M, and recently increased to \$77.6M
 - Multi Year Program 2019-2023
 - Ahead of schedule and on target to complete project scope of 248.30 miles by end of 2022.
 - Program Funding Level - \$ 200M

Years	Miles
2019	-
2020	65.25
2021	102.86
2022	80.19
2023	-
Total	248.30

FEMA Hazard Mitigation Project – Overview

FEMA 428 Grant - \$729M

Distribution and IP Repeater Work - \$ 714 million

- Storm Harden 1,025 miles distribution mainline – Complete
- Install 894 Recloser Switches – Complete
 - 704 automated switches
 - 190 switches in manual mode pending installation of new communication repeaters
- IP Substation Repeaters
 - Install up to 19 Substation Repeaters – 10 of 19 sites construction complete
- Additional OH Storm Hardening (Use of under budget funds)
 - LIPA, with the assistance of PSEG Long Island, submitted a proposal to FEMA for additional work under the Grant. In June 2021, FEMA approved the submitted proposal and granted continuation of the hazard mitigation program up to 41.23 miles.

Substation work - \$ 10 million

- Elevate Substation Equipment - Complete

Transmission work - \$ 5 million

- Storm Harden Transmission Road Crossings – Complete