



# **CAPITAL PROGRAM AND FEMA PROJECT UPDATE**

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OVERSIGHT & CLEAN ENERGY COMMITTEE

July 27, 2022

# 2022 PSEGLI CAPITAL PROGRAM UPDATE

Capital	Approved	Year To Date May			Projected Year End	
	Annual Budget	Plan	Actual	Under/ (Over)	Forecast	Under/ (Over)
Transmission and Distribution	560,566	228,569	215,371	13,198	573,944	(13,378)
Information Technology Projects	76,801	24,589	12,581	12,008	72,677	4,124
Utility 2.0	40,013	15,852	8,133	7,719	29,989	10,024
Fleet	15,974	317	2,566	(2,249)	10,468	5,506
Customer Operations	10,683	4,496	2,979	1,517	9,962	722
Other	3,072	222	360	(138)	3,078	(7)
<b>Subtotal</b>	<b>707,110</b>	<b>274,045</b>	<b>241,990</b>	<b>32,055</b>	<b>700,118</b>	<b>6,992</b>
FEMA	2,690	1,125	4,946	(3,821)	6,271	(3,581)
<b>Total</b>	<b>709,799</b>	<b>275,170</b>	<b>246,936</b>	<b>28,234</b>	<b>706,389</b>	<b>3,411</b>

x\$1,000

# PSEGLI 2022 CAPITAL BUDGET SUMMARY - T&D

Corporate Category	Approved Budget	Year To Date May		Under/ (Over)	Projected Year End	
		Plan	Actual		Forecast	Under/ (Over)
Reliability	249,491	106,938	103,811	3,127	264,590	(15,099)
Load Growth	178,268	73,285	73,605	(320)	164,241	14,027
Power On	70,000	31,963	27,208	4,755	78,247	(8,247)
Other	62,807	16,383	10,747	5,636	66,866	(4,059)
<b>Total</b>	<b>560,566</b>	<b>228,569</b>	<b>215,371</b>	<b>13,198</b>	<b>573,944</b>	<b>(13,378)</b>

x\$1,000

# EMERGENT PROJECTS FOR 2022

Location	Project	2022 Budget Impact	Driver
Northport-Elwood	Northport-Elwood (138-681) Transmission Line Failure	\$ 10,555,508	Transmission Line Failure due to water main impingement required cable replacement
Great Neck	Great Neck – Conversion & Reinforcement for Northwell Hospital Expansion	\$ 907,744	Northwell Hospital expansion – new load requiring system upgrades
Medford	Medford - New Operations Yard	\$ 1,522,000	Emergent Real Estate Opportunity
Eastport	Eastport - Transmission 69-951 Partial UG Near Rte. 111 Underpass	\$ 1,205,455	Enhance safety
Syosset	LIRR Syosset - 5K-6 Cable Replacement	\$ 3,378,333	LIRR requested upgrade
<b>TOTAL</b>		<b>\$ 17,569,040</b>	

# MAJOR PROJECTS COMPLETED IN FIRST-HALF

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- **Transmission System Installations/Upgrades**
  - Ruland to Plainview: new underground 69kV transmission line
- **Substation Installations/Upgrades**
  - Round Swamp: new substation, one 69/13kV MVA bank installed and two new 13 kV feeders
- **Distribution System Installations/Upgrades**
  - Southampton: Install new 13 kV feeder
  - Ocean Beach: Install new 4kV feeder
  - Eastport: Install new 13kV feeder

# NEW TRANSMISSION LINE RULAND ROAD - ROUND SWAMP - PLAINVIEW

New 69kV transmission line from Substation 6U Ruland Road to Substation 5SK Plainview (connects to the new Round Swamp Road Substation)

- Energization & In-Service: April 2022
- 100% underground construction
- Completed directional drill under Route 110 crossing
- Plainview substation: completed terminal work and relay work
- Ruland Road substation: installed three (3) breakers, performed terminal work and relay work
- Total Project Cost: \$ 51.9M



# NEW ROUND SWAMP ROAD SUBSTATION

- New 69/13kV substation including:
  - Total Project Cost: \$27.7M
  - One 69/13kV bank
  - One 13kV switchgear
  - Two distribution circuits
  - Transmission tie into Ruland Rd-Plainview transmission circuit
- Construction started March 2021
- Redevelopment of Nassau County Storm Discharge Basin to accommodate property allocated for the substation
- Substation energized on 6/28/22



# 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
- Transition to Branch Line Circuits expected in 2023
- 2022 Budget - \$70M
  - Spend YTD \$33.1M
  - 38 of 84 miles mitigated
- Multi-Year Program 2019 – 2023

Years	Miles
2019	-
2020	62.3
2021	111.0
2022	84.1 *
2023	67.0 **
<b>Total</b>	<b>327.3</b>

\*Current Year-end Projection

\*\* Mainline & Branch line Projection

# FEMA HAZARD MITIGATION PROJECT

## FEMA 428 Grant - \$729M

### Distribution (OP) and Substation (IP) Repeater Work - \$ 714.8 million

- Substation (IP) Repeaters
  - Construction at 18 sites and commissioning of the final Reclosers completed in March 2022.
- FEMA budget underrun of approximately \$20M was used to harden 19 additional circuits.
- Closeout activities are in process and expected to be complete by the end of August 2022.

### New FEMA 406 Hazard Mitigation Program Grant (HMPG) - Isaias Proposal

- The proposal for Isaias includes 166 Overhead Distribution Circuits and 31 Underground By-Pass Circuits at an estimated cost of \$426M.
- Proposal, Sub-application & Benefit Cost Analysis (BCA) is currently under review with FEMA.
- FEMA has requested, as part of the Isaias proposal, that LIPA provide specific, detailed scopes (Hazard Mitigation Proposals – preliminary engineering) for 197 circuits, for FEMA's evaluation prior to issuing grant approval. On July 11, 2022, LIPA provided approval to issue an RFP and execute this activity with an outside engineering firm(s).
- The PSEGLI FEMA PM Team and Procurement have begun the RFP development process and expect to issue a contract/PO in approximately 4 months.
- The expectation is the specific, detailed scopes (Hazard Mitigation Proposals/Plans – preliminary engineering) for 197 circuits will be completed within 7 months after the contract/PO is received by firm(s).



**DISCUSSION**

Questions