



Annual Report on Construction of Transmission and Distribution Projects

Presented by: Robert Frenna

September 30, 2026



Discussion Topics

 Board Policy on Construction of T&D Projects

 Policy Compliance & Overall Assessment

 Risk Management

Board Policy on Construction of Transmission and Distribution Projects

It is LIPA's **Board Policy on Construction of Transmission and Distribution Projects** to:

- Make choices for the construction of the transmission and distribution system in a consistent manner that balances cost for all customers with local concerns.
- Conduct public outreach prior to the beginning of construction in accordance with certain principles described in detail in the policy.
- To accommodate local preferences for underground construction in circumstances where system-wide benefits are insufficient to justify the incremental expense by providing mechanisms for local choice and local funding.
- For the 2026 review of the Policy, LIPA does not recommend any changes to the last approved Policy in November 2024

Policy Compliance & Overall Assessment

Transmission & Distribution System Overview

LIPA's Transmission & Distribution (T&D) System Statistics

- Overall T&D system: approximately 15,500 total miles (10,000 overhead and 5,500 underground).
- Transmission = approximately 1,500 total miles (1,000 overhead and 500 underground).
- Distribution = approximately 14,000 total miles (9,000 overhead and 5,000 underground).
- Underground lines make up approximately 35% of our overall T&D system, with underground lines comprising about 33% of the Transmission System and nearly 36% of the Distribution System.



Transmission & Distribution Highlighted Construction Projects

- ✓ **Projects are evaluated with multiple options in mind balancing considerations of constructability, cost and local customer preferences**
- ✓ **Bridgehampton to Buell New 69kV Underground Transmission Circuit Project**
 - Provided a new 7.6-mile transmission connection between the Bridgehampton and Buell substations, primarily using open-trench construction with jack-and-bore installation beneath the LIRR tracks.
 - Overhead, underground, and hybrid alternatives were evaluated. The underground design was selected to avoid the greater environmental and community impacts associated with removing 53 existing towers and installing 134 new 60-foot steel poles.
 - The underground design was selected, and the project was placed in service in 2025.
- ✓ **Belmont New 69kV Underground Transmission Circuit Projects**
 - The Belmont to Lake Success Project alleviated post-contingency thermal and voltage limitations along the existing 33kV path and improved reliability for the West Glenwood load pocket. The project included approximately 3.3 miles of underground cable and seven new manholes.
 - The Belmont to Whiteside Project increased reliability and operational flexibility for the West Glenwood load pocket during emergency and maintenance conditions. The project included approximately 2.0 miles of underground cable and five new manholes.
 - Overhead and underground alternatives were evaluated jointly. The underground design was selected to avoid substantially taller poles through densely developed residential and commercial areas, additional tree trimming, adverse community impacts, and overhead reliability concerns.
 - Both projects were placed in service in 2025.

External Affairs (EA) Public Outreach for Construction Projects

Public Outreach Tier Structure and Activity

- PSEG Long Island outreach is integrated into capital project planning, design, and construction, and both LIPA and the Department of Public Service review project scoring and outreach plans.
- PSEG Long Island scores each project using outreach tiers based on various factors, including project need, community impact, governmental impact, media landscape, permitting and regulatory requirements, aesthetic impacts, and environmental, historical, cultural, and construction considerations. An outreach plan is developed for each specific project. The outreach tiers are used as a guideline, and outreach tools are then tailored to each project's specific circumstances.
- Tier 1 project activities may include: (i) developing collateral materials; (ii) conducting media and regulatory audits to determine the outreach landscape and identification of stakeholders; (iii) briefing impacted officials; and (iv) notifying impacted customers.
- Tier 2 project activities may include: (i) all Tier 1 activities; (ii) mailings or door hangers to impacted customers; (iii) follow-up with impacted officials; and (iv) sharing project information on PSEG Long Island's website and social media accounts.
- Tier 3 project activities may include: (i) all Tier 1 and 2 activities; (ii) engaging in early design discussions; (iii) conducting early outreach and partnering with elected officials; (iv) hosting open houses; (v) collaborating with third-party experts; (vi) implementing a print and/or broadcast media communications plan; and (vii) email updates to impacted customers.
- Since the last update, PSEG Long Island reported that there were a total of 14 Transmission and Distribution-specific projects that were scored by External Affairs as Tier 2. The Belmont Substation Conversion (from 33kV to 69kV) and Bridgehampton – Install New 69kV Circuit to Buell Substation projects, outlined above, were previously scored as Tier 3.

External Affairs (EA) Public Outreach for Construction Projects

Public Outreach Tier Structure and Activity (Continued)

SOS ID	Project	ScoreCard Tier
2349	Shore Road - Expand 138kV to Ring Bus to connect new lines (Q#1289-NUF)	2
2351	Syosset - Install PAR on terminal of proposed new 138kV Ckt (Q#1289-NUF)	2
2395	Elmont (3G) - Substation Rebuild and Feeder Conversions	2
2455	Reynolds Channel - Reconductor 33-315 Submarine Cable	2
2412	Valley Stream - Install Reactor on 138-262 Ckt to Stewart Avenue(Q#1289-UPGRADE)	2
2688	Dayton Towers East Network Rehabilitation	2
1094	Transmission Operations Control Room Facility Replacement (PTCC)	2
1966	Hewlett (2R), Two New 13kV Feeders	2
2661	Peconic - Install 1 new 13kV feeder to West Conversion & Reinforcement	2
2139	Huntington Village Load Pocket - Substation Supply Hardening	2
2510	East Hampton Village - 4kV to 13kV Conversion Circuits (9L-782 & 9E-991)	2
2583	Moriches - Install Series Reactor on 69kV Circuit to South Manor	2
2809	138-292 Cable Failure November 25, 2025	2
2339	Bayport – Rebuild 69kV circuit to MacArthur (69-776) (SDU-CY21)	2

Risk Management

Enterprise Risk Management

There is one low-level risk related to the Construction of T&D Projects Board Policy. The risk is ‘Transmission and distribution capital projects could lead to controversy with stakeholders, negative public perception, and SEQRA or other litigation’.

- LIPA mitigates this risk with concurrent oversight of PSEG Long Island’s project identification, planning, and development process for significant projects and through its Legal and External Affairs teams that work closely with PSEG Long Island’s External Affairs team to monitor compliance with the Policy and the communication with towns and the public on significant projects.
- This risk is being actively monitored and has seen considerable improvement over the last several years with enhanced communication and outreach with stakeholders.

Questions?

Robert Frenna

Vice President, T&D Utility and
Program Performance

lipower.org



FOR CONSIDERATION

September 30, 2026

TO: The Oversight and Clean Energy Committee

FROM: Carrie Meek Gallagher

SUBJECT: Recommendation to Approve the Annual Report on the Board Policy on the Construction of Transmission and Distribution Projects

Requested Action

The Oversight and Clean Energy Committee (the “Committee”) of the Board of Trustees (the “Board”) of the Long Island Power Authority (“LIPA”) is requested to adopt a resolution recommending that the Board: (i) approve the annual report on the Board Policy on the Construction of Transmission and Distribution Projects (the “Policy”); and (ii) find that LIPA has complied with the Policy, which resolution is attached hereto as **Exhibit “A”**.

Background

By Resolution No. 1383, dated September 27, 2017, the Board adopted the Policy with the purpose of supplementing existing requirements and practices and to guide consistent decision-making related to: (i) the evaluation of system-wide benefits and costs for underground construction of projects where such benefits may exceed their costs; and (ii) public outreach prior to construction of major projects. The Policy was last reviewed on November 13, 2024.

Compliance with the Policy

LIPA Staff recommends that, for the reasons set forth below, the Board find that the Authority has complied with the Policy for the period since the last review of the Policy.

The Policy requires that the Chief Executive Officer annually report to the Board on compliance with the key provisions of the Policy. The key provisions of the Policy require that LIPA and its Service Provider, PSEG Long Island:

“For transmission projects designed for voltages 65 kV and above that are not subject to Article VII, prepare a pre-construction report containing an advantage-disadvantage analysis using standardized criteria for evaluating the system-wide benefits and costs to the public of construction of overhead versus underground transmission projects similar to the criteria used by New York utilities subject to Title 16 of the New York Codes, Rules and Regulations (“NYCRR”) Part 102, such report to be done sufficiently far in advance of construction to inform the public outreach and project planning process”:

- The Bridgehampton to Buell New 69kV Transmission Circuit Project provided a new 7.6-mile transmission connection between the Bridgehampton and Buell substations. The cable was installed primarily through open-trench construction, with jack-and-bore construction

beneath the LIRR tracks. Alternative construction designs evaluated included a primarily overhead route within LIPA's existing right-of-way, a southern underground route, and a northern hybrid route. The primarily overhead alternative would have required removing 53 existing towers and installing 134 60-foot steel poles was eliminated due to greater environmental and community impacts. The underground design was selected, and the project was placed in service in 2025.

- The Belmont to Lake Success New 69kV Underground Circuit Project was designed to alleviate post-contingency thermal and voltage limitations along the existing 33kV path between Lake Success and Belmont and improve reliability for the West Glenwood load pocket. The project included approximately 3.3 miles of underground cable and seven new manholes. Overhead and underground construction solutions were evaluated. An overhead design would have required new or replacement poles up to 25 feet taller than existing poles, potentially constructed of steel, including through densely developed residential areas with no existing overhead transmission facilities. Due to these community impacts, additional tree-trimming requirements, and reliability concerns associated with overhead alignments, the underground design was selected. The project was placed in service in 2025.
- The Belmont to Whiteside New 69kV Underground Circuit Project was designed to increase reliability to the West Glenwood load pocket, allowing increased operational flexibility and reliability during emergency and/or maintenance conditions. The project included approximately 2.0 miles of underground cable and five new manholes along its route through the Town of Hempstead, Village of Floral Park, and the Elmont and Franklin Square areas. Overhead and underground construction solutions were evaluated. An overhead design would have required substantially taller poles, potentially constructed of steel, through densely developed residential and commercial areas and would have altered the character of the surrounding communities. The underground design was selected. The project was placed in service in 2025.

“Maintain a special tariff for undergrounding to provide a financing mechanism that allows local communities to pay for the additional cost of undergrounding all or a portion of a transmission or distribution project where insufficient systemwide benefits exist to justify allocation of the incremental expense throughout the Service Area.”

- LIPA's Tariff for Electrical Service (the “Tariff”) provides a financing program that allows a local community to request an overhead line be undergrounded.
- The Tariff provisions allow the requesting municipality the option of paying either the full incremental cost of undergrounding in advance of construction or paying the cost in the form of an incremental consumption charge for a period of 20 years.
- LIPA prepared a [brochure](#) for its Service Provider on the undergrounding program, which was electronically distributed to local elected officials and is available on both the LIPA and PSEG Long Island websites. A formalized process was also developed with LIPA oversight to ensure the effective implementation of the Tariff provisions.

“LIPA and its Service Provider will conduct outreach to affected public officials, civic leaders, and communities in advance of the construction of transmission and distribution projects in a manner appropriate to each project, including visual representations of the proposed project as built, if appropriate, consistent with industry best practices, as mutually agreed upon by LIPA and its Service Provider, and in consultation with the Department of Public Service”:

- PSEG Long Island outreach is integrated into capital project planning, design, and construction, and both LIPA and the Department of Public Service review project scoring and outreach plans.
- PSEG Long Island scores each project using outreach tiers based on various factors, including project need, community impact, governmental impact, media landscape, permitting and regulatory requirements, aesthetic impacts, and environmental, historical, cultural, and construction considerations. An outreach plan is developed for each specific project. The outreach tiers are used as a guideline, and outreach tools are then tailored to each project’s specific circumstances.
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- Since the last update, PSEG Long Island reported that there were a total of 14 Transmission and Distribution-specific projects that were scored by External Affairs as Tier 2. The Belmont Substation Conversion (from 33kV to 69kV) and Bridgehampton – Install New 69kV Circuit to Buell Substation projects, outlined above, were previously scored as Tier 3.

Enterprise Risk Management Discussion

The Board has adopted a Policy on Enterprise Risk Management. Enterprise risks are brought to the Board’s attention throughout the year. There is one risk related to the Policy. That risk is: “Transmission and Distribution capital projects could lead to controversy with stakeholders, negative public perception, and SEQRA or other litigation.”

This risk is rated as a low-level risk. LIPA mitigates this risk with concurrent oversight of PSEG Long Island’s project identification, planning, and development process for significant projects and through its Legal and External Affairs teams that work closely with PSEG Long Island’s Legal and External Affairs to monitor compliance with the Policy and the communication with

municipalities and the public on significant projects. Based on the mitigation actions in place, LIPA Staff believes this risk is adequately managed.

Annual Review of the Policy

LIPA performed a review of the Policy and is not proposing changes.

Recommendation

Based upon the foregoing, I recommend approval of the above-requested action by the adoption of a resolution in the form attached hereto.

Attachments

Exhibit “A” Resolution

RESOLUTION recommending Approval of THE ANNUAL REPORT ON THE BOARD POLICY ON THE CONSTRUCTION OF TRANSMISSION AND DISTRIBUTION PROJECTS

WHEREAS, the Board Policy on the Construction of Transmission and Distribution Projects (the “Policy”) was originally approved by the Board of Trustees Resolution No. 1383, dated September 27, 2017; and

WHEREAS, the Policy was last reviewed by the Board in November 2024; and

WHEREAS, the Oversight and Clean Energy Committee of the Board of Trustees has conducted the annual review of the Policy and recommends that the Board affirm that the Policy has been complied.

NOW, THEREFORE, BE IT RESOLVED, that consistent with the accompanying memorandum, the Oversight and Clean Energy Committee hereby recommends that the Board find that the LIPA has complied with Policy for the period since the last annual review and approve the annual report to the Board.

Dated: September 30, 2026