

# **CECONY's 2025 Local Transmission Plan (LTP)**

# Overview

- NYC and Westchester
- 660 square miles
- 9.3 million people
- 3.4 million customers
- All time system peak
  - 13,322 MW (2013)



# 2025 Local Transmission Plan (LTP)

## Major Assumptions

- The 2025 Local Transmission Plan (LTP) is based on the NYISO 2025 FERC 715 Filing / 2025 Load and Capacity Data (“Gold Book”) database
  - Incorporates Con Edison’s Load Forecast
  - NYPA Gas Turbines are assumed on-line (as proxy replacement for the existing units) \*
- Major Projects assumed to be in-service:
  - Y2026: 1,250 MW Champlain Hudson Power Express (CHPE)
  - Y2027: 816 MW (usable PER 10% derate: 81.6 MW) Empire Wind OSW; Summer 2027
- Con Edison Transmission Projects:
  - Y2026: 4<sup>th</sup> Gowanus – Greenwood 345/138 kV PAR controlled feeder
  - Y2028: **Brooklyn Clean Energy Hub 345 kV Substation**
  - Y2028: **Eastern Queens 138 kV Substation**
  - Y2034: Sunset Park 345 kV Substation

\* This assumption acts as a proxy for NYPA's expected replacement capacity, pending the outcome of the ongoing assessment detailed in the NYPA Small Natural Gas Power Plant Transition Plan.

# 2025 Local Transmission Plan (LTP)

Reliability Needs (NYC) were Identified beginning in 2030

- Reliability Needs were identified within the New York City 345/138 kV Transmission Load Area (TLA); i.e., Zone J

	2026-2029	2030	2031	2032	2033	2034	2035
Peak MW Need:	-	(250)	(450)	(575)	(800)	(1,050)	(1,325)
Hours:	-	4	7	7	9	11	12
Duration:	-	3PM – 7PM	1PM – 8PM	1PM – 8PM	noon – 9PM	11AM – 9PM	11AM – 11PM
Approximate MWh:	-	(700)	(1,800)	(2,650)	(4,475)	(6,900)	(10,000)

- Additional, overall NYC needs propagate to underlying Astoria East / Corona 138 kV TLAs

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## Next Steps

- The identified Reliability Needs are driven by a combination of:
  - (1) increasing load demand,
  - (2) cumulative generation retirements,
  - (3) no incremental new generation resources, and
  - (4) loss of generation as the design basis (2,236.8 MW)
    - The design basis for NYC is N-1/-1/-0
      - 1<sup>st</sup> Contingency: CHPE (1,250 MW)
      - 2<sup>nd</sup> Contingency: Ravenswood 3 (986.8 MW)
- Con Edison plans to re-issue its Local Transmission Plan in early 2026 to reflect updates to its load forecast, including:
  - Inclusion of Distribution connected Energy Storage Systems
  - Introduction of a rolling 10-year 24-h forecast
- Con Edison is preparing backstop for Q3 STAR and will monitor outcome for impact to local needs

# **Brooklyn Clean Energy Hub (BCEH)**

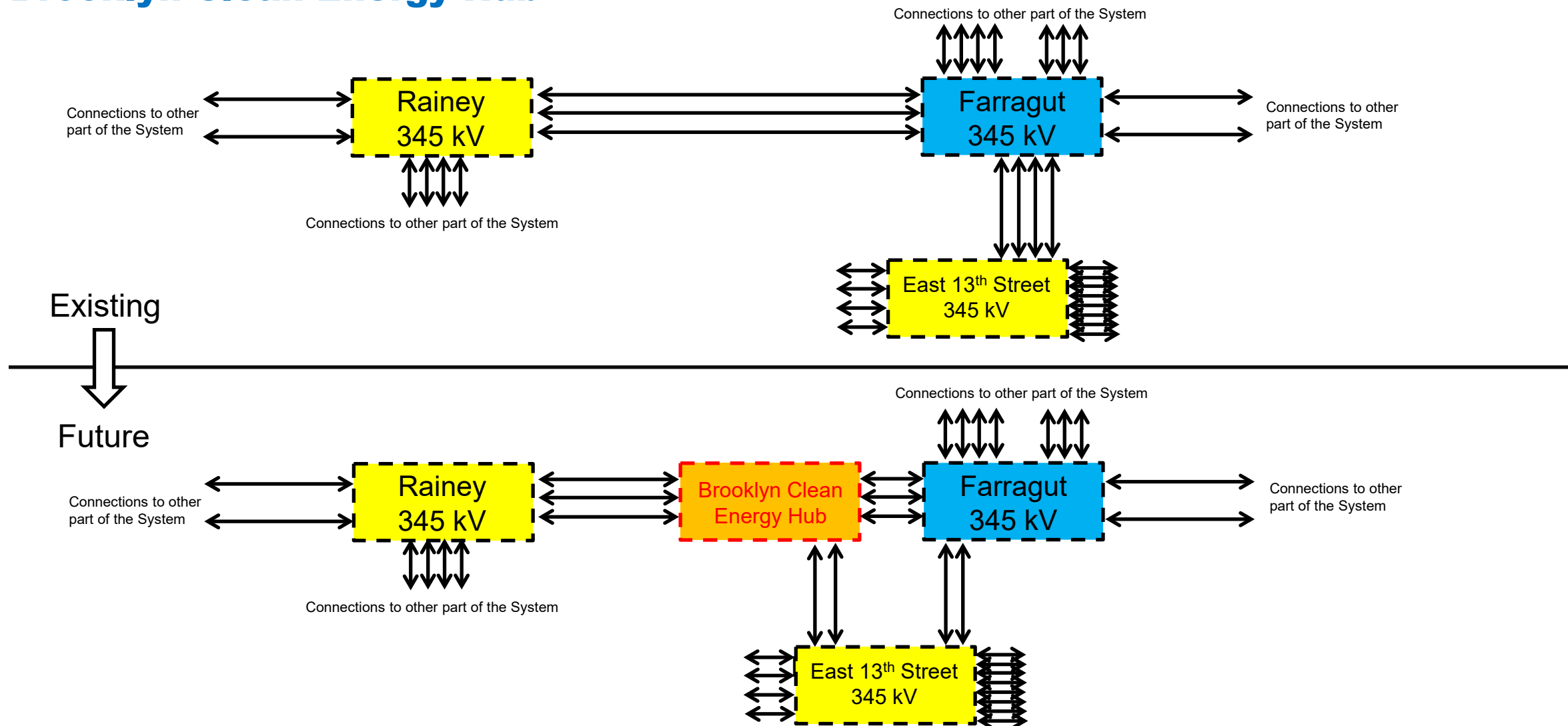
# 2025 Local Transmission Plan (LTP)

## Brooklyn Clean Energy Hub

- Con Edison is constructing a new 345 kV load serving substation – BCEH – in northwest Brooklyn to provide supply to the new Gateway 27 kV Distribution Area Substation
  - The in-service date for this project is summer 2028
- The BCEH project is designed to supply up to 1,900 MW of load and establishes new Points of Interconnection (POI) in NYC
  - The Project has the capacity to accommodate up to 6,000 MW of generation resources:
    - 6 Open Bus Positions at BCEH (4,500 MW)
    - 2 Open Bus Positions at Farragut (1,500 MW)

# 2025 Local Transmission Plan (LTP)

## Brooklyn Clean Energy Hub





# **Reliable Clean City (RCC) Eastern Queens**

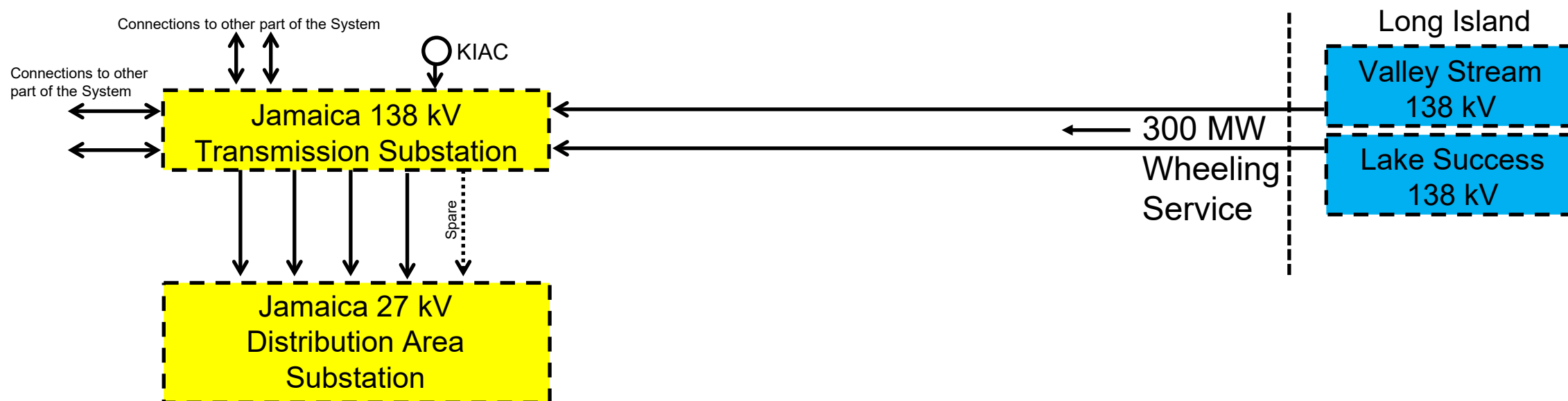
# 2025 Local Transmission Plan (LTP)

## Eastern Queens

- Con Edison is constructing a new 138 kV load serving substation – Eastern Queens – in Queens to provide supply to the new Idlewild 27 kV Distribution Area Substation
  - The in-service date for this project is summer 2028
- The Eastern Queens 138 kV transmission substation provides two POIs for generation resources
  - Up to 600 MW

# 2025 Local Transmission Plan (LTP)

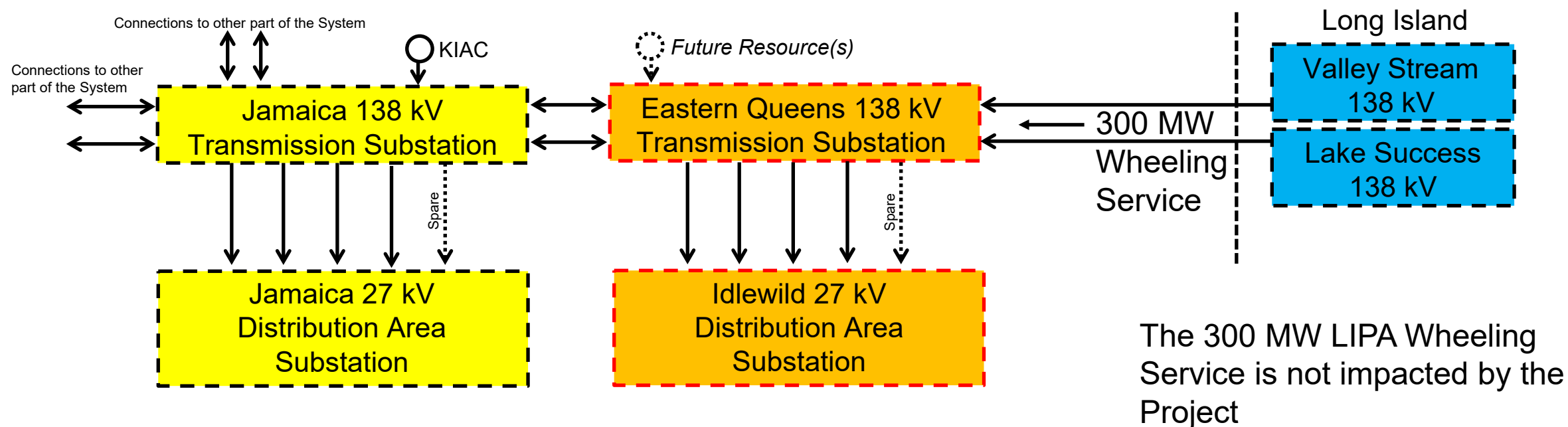
## Eastern Queens



System “as is”

# 2025 Local Transmission Plan (LTP)

## Eastern Queens



## System with the Project

## Questions & Answers



**Thank You!**

# Contact

- Interested parties may submit written comments within 30 days to:

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- CECONY LTP will be posted on its external (public) website:

[Transmission Planning | Con Edison](#)