

# 2019 Interim Area Transmission Review (ATR) Overview

---

Keith Burrell

Manager, Transmission Studies

**NYSRC – RRS & RCMS Joint Meeting**

October 31, 2019



# 2019 Interim ATR

- **Purpose of the assessment is to demonstrate New York Bulk Power Transmission Facilities (BPTF) conformance with:**
  - NPCC Design Criteria
  - NYSRC Reliability Rules
- **Facilities**
  - BPTF defined by NYISO Open Access Transmission Tariff
  - BPTF includes all Bulk Power System (BPS) facilities plus certain non-BPS facilities
- **The study year for this assessment is Year 2024**

# Prior Area Transmission Reviews

- **2015 Comprehensive ATR approved by the NPCC Reliability Coordinating Council (RCC) June 2016**
- **2016 Intermediate ATR approved by RCC June 2017**
- **2017 Interim ATR approved by RCC February 2018**
- **2018 Intermediate ATR approved by RCC May 2019**

# 2019 Interim ATR - Projects

- **Projects included consistent with the 2019 Load and Capacity Data Report (“Gold Book”) for year 2024**
  - **Generation**
    - Projects which have accepted cost allocation through a class-year study and other non-class-year generators are included
    - Generators that have completed the Generator Deactivation Process and determined not necessary to maintain system reliability are deactivated in the model
  - **Transmission**
    - 2019 GB Section VII Transmission Owner “firm” projects are included
      - Firm projects are those which have been reported by TOs as being sufficiently firm, and either (i) have an Operating Committee approved System Impact Study (if applicable) and, for projects subject to Article VII, have a determination from New York Public Service Commission that the Article VII application is in compliance with Public Service Law § 122, or (ii) are under construction and is scheduled to be in-service prior to June 1 of the current year.
    - NextEra Energy Transmission NY Western NY – Empire State Line Project is included
    - AC Transmission Public Policy Transmission Projects, which are the North American Transmission (NAT)/New York Power Authority (NYPA) (NYISO Queue #556) Segment A Double Circuit project and the National Grid/Transco (NYISO Queue #543) New York Energy Solution Segment B project, are included
    - Con Edison B3402 and C3403 cables are modeled out-of-service

# Load and Capacity

	Comprehensive Review: 2015 Forecast for Summer 2020	Intermediate Review: 2018 Forecast for Summer 2023	Interim Review: 2019 Forecast for Summer 2024	Change from 2015 CATR to 2019 Interim Review
Peak Load (MW)	34,309	32,284	31,522	-2,787
Total Capacity (MW)	43,779	40,198	40,333	-3,446
Reserve Margin	27%	24%	28%	+1%

# 2019 Interim ATR – NPCC/NYSRC Requirements

- **Steady-State and Stability Assessment**
  - N-1
  - N-1-1
- **Short Circuit Assessment**
- **Extreme Contingency Assessment**
- **Extreme System Condition Assessment**
- **Assessment of impacts of planned system expansion or reconfiguration plans on the NYCA system restoration plan**
- **Review of Special Protection Systems**
- **Review of Dynamic Control Systems**
- **Review of Exclusions to Directory #1 Criteria**

# Conclusion

- The New York State BPTF as planned through 2024, conforms to planning reliability criteria described in NPCC Directory #1 and NYSRC Reliability Rules

# The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



[www.nyiso.com](http://www.nyiso.com)