

# 2018 RNA Potential Scenarios - Updated

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**ESPWG/TPAS**

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# 2018 RPP Background

- The 2018 Reliability Planning Process (RPP) starts with the 2018 Reliability Needs Assessment (2018 RNA) followed by the Comprehensive System Plan (CRP)
  - 2018 RNA Study Period: year 1 = 2019 through year 10 = 2028
- The RPP is part of the Comprehensive System Planning Process and is performed pursuant to the Attachment Y of the NYISO OATT; see Section 31.2.
  - Additional implementation details, including recently updated RNA Base Case inclusion rules, are captured in the RPP Manual #26
- 2018 RNA will be based on the information from the Gold Book 2018, the 2018 FERC 715 filing (power flow cases and auxiliary files), historical data, and market participant data

# 2018 RNA: Scenarios Background

- One of the objectives of the Reliability Planning Process is to identify, through the development of appropriate scenarios, factors and issues that might adversely impact the reliability of the Bulk Power Transmission Facilities (BPTF);
  - The scenarios results are for information only
  - The scenarios will be built off the preliminary (“1<sup>st</sup> pass”) RNA Base Case
- This presentation identifies scenario updates
  - Final list will be presented at the April 2 TPAS/ESPWG meeting

# 2018 RNA: Potential Scenarios<sup>1</sup>

	Scenario	Type of Assessments
1	<b>Econometric Load Forecast:</b> <i>Baseline load forecast without the Energy Efficiency Savings and Behind the Meter Generation</i>	Resource Adequacy
2	<b>Zonal Capacity at Risk:</b> <i>Identification of the maximum level of zonal MW “perfect” capacity<sup>2</sup> that can be removed without causing NYCA LOLE violations, or exceeding the zonal capacity</i>	Resource Adequacy
3	<b>No Major Proposed Additions:</b> <i>Removal of proposed major projects assumed in the RNA Base Case</i>	Transmission Security and Resource Adequacy
4	<b>Environmental case:</b> <i>Reflecting potential combined impacts of coal units removal and Zone J and K GTs from the RNA Preliminary (1<sup>st</sup> pass”) Base Case</i>	Transmission Security and Resource Adequacy
5	<b>AC Transmission Goal</b> <i>- contingent upon finding needs in the RNA Preliminary (1<sup>st</sup> pass”) Base Case</i>	Transmission Security and Resource Adequacy

1. Transmission Security Assessment Using 90/10 Load Forecast will not be evaluated for this RNA due to the flatness of the load growth, and to allow the time for other evaluations

2. “Perfect” capacity is capacity that is not derated (e.g., due to ambient temperature or unit unavailability) and not tested for transmission security or interface impacts



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# Questions?

We are here to help. Let us know if we can add anything.

# 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



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