

# Reliability Planning Process (RPP) Manual #26 Updates

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**ESPWG/TPAS**

November 4, 2019, KCC



# Background

- **The following Manual 26 updates were discussed at the October 23, and Nov 4, 2019 ESPWG/TPAS:**
  1. Revising the RNA Base Case inclusion rules to reflect additional considerations
  2. Revising the RNA Base Case deactivation rules to reflect additional considerations
  3. Clarifying the RNA Base Case “2<sup>nd</sup> pass” updates
  4. Clarifying the RNA Base Case updates after the RNA is approved by the NYISO’s Board of Directors
  5. Clarifying the RNA process when non-BPTF violations are observed
- **The changes will be applied to the current Manual 26, version 2.5, to become version 2.6**

# 1. Revising the Inclusion Rules

## 3.2.1. Proposed Projects

Revising the inclusion rules for the Large Generator Category B to include d):

	Project Types	Inclusion Category A Project shall be included if:	Inclusion Category B Considerations for inclusion of project:
Generation	<b>Large Generating Facility</b> (as defined in OATT Attachment X)	a) All major project components (plant, fuel supply and delivery, system upgrades) under construction, and b) Class Year Interconnection Facilities Study complete, and c) Interconnection Agreement executed or accepted by FERC if filed unexecuted, and d) Making reasonable progress against the milestones in the Interconnection Agreement	Any Large Generating Facility that is either a member in the currently active Class Year, or has an executed Class Year Interconnection Facilities Study Agreement for the next Class Year, or has completed a Class Year Interconnection Facilities Study, or has an executed Interconnection Agreement or, if unexecuted, filed with FERC, may be included if significant progress has been made in regard to one or more of the following factors: a) Construction status of major project components (plant, fuel supply and delivery, system upgrades) b) Project financing (e.g., executed contract with a credit-worthy entity or equivalent financial security / closing) c) Federal, state, and local permits and regulatory approvals for major project components d) <a href="#">Awarding of a contract in response to a federal, state or local procurement process</a>

## 2. Revising the Generation Deactivation Rules

Revising the generator deactivation rules to include:

Generator Status	Modeling in RNA
<p>Generator Owner lacks authority to operate in its current equipment configuration past a date certain (e.g., due to a new or amended environmental law or regulation)</p>	<p>May be modeled out-of-service starting from the anticipated date on which the Generator Owner will lack authority to operate depending on the circumstances</p> <p>Existing Generators seeking authority to continue to operate as part of a filed compliance plan may continue to be modeled in-service as appropriate under the compliance plan; provided however, if the compliance plan relies on new, related resources, the existing Generator may be modeled out-of-service for a period of time until the new, related resources are modeled in-service. Such existing Generators may be modeled in-service at the same time as the new, related resources relied on in the compliance plan are modeled in-service pursuant to Section 3.2.1, depending on the circumstances.</p> 

### 3. Clarifying the RNA Base Case “2<sup>nd</sup> pass” Updates

- **The current process allows for an opportunity to further update the RNA Base Case after the preliminary Reliability Needs are presented: *i.e.*, the “2<sup>nd</sup> pass” updates**
  - The objective of providing the stakeholders with preliminary (“1<sup>st</sup> pass”) Reliability Needs (RN) is to offer another opportunity prior to the final RNA for stakeholders’ input regarding updates in projects and plans which may mitigate any identified RN in order to minimize unnecessary solutions solicitations
- **Language has been added to further clarify that only those changes that may reduce or eliminate the preliminary (“1<sup>st</sup> pass”) Reliability Needs are considered**
  - Based on principle that new needs are not identified after the Base Case lockdown date
- **Language has been added to align with the consideration of updated information from the proposed changes #1 and #2, described above**

# 3. Clarifying the RNA Base Case “2<sup>nd</sup> pass” updates, cont.

## 4.13. Finalization of the Reliability Needs

Upon completion of all the initial analyses for the RNA, the NYISO Staff will release the results as preliminary Reliability Needs (a.k.a. “1<sup>st</sup> pass”) for review with ESPWG and TPAS. TOs with updated LTPs that may impact the Reliability Needs will inform the ESPWG/TPAS.

In finalizing the Reliability Needs, system changes that occur since the lock down date of the RNA assumptions matrix and that may reduce or eliminate the Reliability Needs will be considered, such as:

- Updated LTPs that may impact the Reliability Needs
- Changes in BPTFs
- Change in resources such as generating unit status, or authority to operate in current equipment configuration past a date certain (e.g., due to a new or amended environmental law or regulation)
- Change in load forecast, or demand response that may impact the Reliability Needsresources

The NYISO will apply the inclusion rules in Section 3.1 of this Manual to determine if these changes could impact the preliminary Reliability Needs, while the scenario and sensitivity analyses performed based on the original base cases would not be re-assessed.

If the NYISO determines that the Reliability Needs could increase or decrease due to the system changes, the NYISO will re-establish the base cases, and re-assess the Reliability Needs. Otherwise, if the NYISO determines that the Reliability Needs would not be impacted, the preliminary Reliability Needs would become the final Reliability Needs in the draft RNA report.

Upon completion of any re-assessment, the NYISO will provide the results to the ESPWG and incorporate the final Reliability Needs into the draft RNA report.

## **4. Clarifying the Base Case Updates after the RNA is Approved by the NYISO's Board of Directors**

- **The current process allows for TO LTPs updates to be provided after the RNA is approved by the NYISO's Board of Directors, and before the solicitation for solutions**
- **Language has been added to allow for all types of status updates before solicitation that may reduce or eliminate the “2<sup>nd</sup> pass” Reliability Needs**

# 4. Clarifying the Base Case Updates after the RNA is Approved by the NYISO's Board of Directors, cont.

## 5. Development of Solutions to Reliability Needs

### 5.1. Base Case Updates before Solicitation for Solutions

After the NYISO Board of Directors approves the RNA Report, ~~the NYISO will request updated LTPs and NYPA transmission plans before issuing NYISO issues a request solicitation~~ for regulated backstop, market-based, and alternative regulated solutions, ~~the NYISO will request updated LTPs, NYPA transmission plans, and other status updates relevant to reducing, or eliminating, the Reliability Needs, as timely received from Market Participants, Developers, TOs, and other parties. Any such update must meet the identified Reliability Needs. Prior to responding to, in NYISO's determination, the Reliability Needs, the RNA Base Case inclusion rules, as defined in Section 3 of this Manual. The Responsible TOs and NYPA will report at ESPWG and TPAS any information regarding any those updates in their LTPs that meet the inclusion rules in Section 3 of this Manual and that could affect reduce or eliminate the Reliability Needs. Also, NYPA, at Additionally, the NYISO's request, will report at ESPWG and TPAS any information about its transmission plans that could affect the Reliability Needs. The NYISO will present at the ESPWG and TPAS updates to its determination under Section 31.2.2.4.2 of Attachment Y to the OATT any other RNA Base Case updates received that meet the inclusion rules in Section 3 of this Manual, and that could mitigate the identified Reliability Needs, along with its determination with respect to all the TOs' LTPs applicable updates.~~ The NYISO will then request solutions ~~to for~~ the Reliability Needs with recognition of the updated TO LTPs and NYPA transmission plans on the remaining Reliability Needs, if any. Developers should use this information in responding to the Reliability Needs.

# 5. Clarifying RNA's Process when non-BPTF Violations are Observed

- The intent is to provide information about non-BPTF violations that are outside of the NYISO's identification of Reliability Needs that require solutions, but allow the TOs and stakeholders to address such needs through LTPs and other means.
- The following language has been added in *Section 4.6 Transmission Reliability Assessment*, to replace current language in Section 4.6 and *3.1 Base Case Development*:
  - ~~"If the NYISO observes overloads on the non-BPTF that could cascade and cause overloads on the BPTF, the NYISO will evaluate the contingency creating the cascade to determine if a Reliability Need should be identified."~~
  - **If the NYISO observes an** overload on the non-BPTF **that could cascade onto the BPTF due to a** ~~is a~~ violation of applicable reliability criteria for the non-BPTF (e.g., NERC criteria or Transmission Owner planning criteria), the Transmission Owner of the **non-BPTF** facility **must has the obligation to** address the ~~overload~~ **non-BPTF violation** with a Corrective Action Plan which would be documented in their LTP.
  - **If the** voltage is significantly below criteria such that thermal violations cannot be satisfactorily ascertained (**e.g., the power flow case does not reach a solution**), certain generic facilities (such as reactive support) may be added **in order to facilitate the evaluation** of ~~to determine~~ the thermal loading on the system."

# Review Schedule

- **Oct 23 and Nov 4 ESPWG/TPAS**
  - Comments by Nov. 11, to [lpopa@nyiso.com](mailto:lpopa@nyiso.com) and [kdepugh@nyiso.com](mailto:kdepugh@nyiso.com)
- **November 18 ESPWG/TPAS**
- **December 12, 2019 OC for approval**
  - Redline Manual will also be posted 15 cd before the December 12 OC, *i.e.*, by Nov. 27, 2019 under “Manuals under Review”
  - Changes will become final 10 bd after OC approval, *i.e.*, on December 31, 2019

# Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit 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 policymakers, stakeholders and investors in the power system



# Questions?