

Transmission Expansion & Interconnection Manual Revisions

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Business Issues Committee/Operating Committee

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Agenda

- Background
- Objectives
- Overview of Significant Updates
- Schedule/Next Steps

Background

- **Last comprehensive update to the TE&I Manual was October 2012**
 - An update was made in October 2015, but only a minor to update to one section
- **Since October 2012, several tariff revisions have been filed with FERC revising the transmission expansion and interconnection procedures**
- **NYISO has been reviewing these manual revisions with TPAS since 2/17/2017**
- **On 5/9/2017, TPAS recommended the revised manual proceed to the OC for approval, with one minor revision (see incremental redline)**

Objectives

- Update manual provisions in light of recent tariff revisions
- Add additional detail regarding interconnection study methodology
- Clarify existing practices/procedures
- Add additional attachments to help educate interested parties regarding the NYISO's interconnection process

Overview of Revisions

- A redlined and clean version of the Transmission Expansion & Interconnection Manual (TE&I Manual) may be found at the following link:
http://www.nyiso.com/public/markets_operations/documents/manuals_guides/index.jsp (in the “Manuals<Under Review” folder)
- This presentation summarizes the significant content changes

Overview of Revisions

- **Updates to conform with tariff changes made since last comprehensive manual update:**
 - Class Year process changes (effective February 2013)
 - Changes to permissible extensions of Commercial Operation Dates (effective February 2013)
 - Changes to the threshold for material capacity increases requiring interconnection studies (effective February 2014)
 - FERC Order 792 changes re: Small Generator Interconnection Procedures (effective December 2014)
 - Changes regarding generator outage states (effective May 2015)
 - Changes required by Order 1000 Compliance Filing, including the new Transmission Interconnection Procedures and changes to the NYISO Transmission Expansion process (effective April 1, 2016, FERC order pending)
 - Changes included in the BTM:NG initiative (interconnection process-related tariff changes effective May 19, 2016)
 - Class Year regulatory milestone changes (effective July 5, 2016)

Overview of Revisions

■ Additional updates and revisions, including:

- Global update of references (e.g., applicable NERC, NPCC and NYSRC reliability standards)
- Additional detail re: review process for determining whether an SIS is required for proposed NYTO LTP or NYPA TP projects
- Additional details re: Minimum Interconnection Standard and Deliverability Interconnection Standard methodologies
- Additional details re: manner in which special studies are performed (e.g., Electro-Magnetic Transients (EMT) study, Sub-Synchronous Resonance (SSR) study)
- Additional information regarding manner in which Affected System Upgrades will be handled under the TIP process (transmission system upgrades identified by NYISO as required on the NYS Transmission System as part of NYISO's role as an Affected System in a PJM or ISO-NE study)
- Additional information regarding inter-ISO/RTO interconnection procedures
- Additional information re: ways to request and obtain CRIS
- Additional clarifications

Next Steps

- BIC review/approval – June 14, 2017
- OC review/approval – June 15, 2017

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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