NYSRC Procedure for New York Control Area Transmission Reviews

1. Introduction

Requirement R1 of NYSRC Reliability Rule B.2, *Transmission System Planning Assessments*, requires that the *NYISO* annually conduct an annual **Transmission Review** of the planned Bulk Power System of the New York Control Area (NYCA). The purpose of this review is to demonstrate that the planned *NYCA* bulk power transmission system is in conformance with performance criteria in Requirements R1 through R4 of Reliability Rule B.1, *Transmission System Planning Performance Requirements*. It is also the intention of the *NYSRC* that conformance with the NYSRC Reliability Rules assure consistency with NERC and NPCC Standards and Criteria. By this NYCA Transmission Review, the *NYSRC* will satisfy itself that the *NYCA* transmission system, as planned, is in conformance with NYSRC Reliability Rules, and in general, that the reliability of the NYCA Bulk Power System will be maintained.

The NYCA Transmission Review shall be incorporated in a single report to the provided, when required, to the NYSRC Reliability Compliance Monitoring Subcommittee.

2. Relationship with NPCC Area Transmission Reviews

NPCC Directory #1, *NPCC Design and Operation of the Bulk Power System*, requires that each Planning Coordinator Area of NPCC prepare an annual assessment to determine whether its planned transmission system is in conformance with NPCC criteria. Procedures for conducting and reporting these transmission reviews are addressed in Appendix B of Directory #1. This *NYSRC* NYCA Transmission Review procedure adopts certain NPCC assessment requirements as applied to *NYCA*, and supplements it with requirements for additional *NYSRC* assessments as required by NYSRC Reliability Rule B.2. Coordination with preparation of the Transmission Review required by NPCC is addressed in this procedure. It is the intention by the *NYSRC* that the *NYISO* not duplicate transmission system analyses and reporting already required by NPCC Directory #1.

3. Assessments to be Included in Transmission Reviews

The NYCA Transmission Review shall incorporate the following assessments for documenting compliance with NYSRC Reliability Rule B.2, in accordance with Requirement R1.3:

- Assessment 1: This assessment requires thermal, voltage, stability, and short circuit assessments in accordance with performance criteria in Requirement 1 of Reliability Rule B.1.
- Assessment 2: This assessment requires the assessment of the risks and system performance resulting from extreme contingencies in accordance with criteria in Requirement 2 of Reliability Rule B.1.
- Assessment 3: This assessment requires the assessment of extreme system conditions in accordance with criteria in Requirement 3 of Reliability Rule B.1.
- Assessment 4: This assessment requires fault duty assessments in accordance with criteria in Requirement 4 of Reliability Rules B.1.
- Assessment 5: This assessment requires an analysis of the impacts that planned system expansion or reconfiguration plans have on the NYCA System Restoration Plan, as described in Requirement R1.3 of Reliability Rule B.2.

The above transmission assessments shall cover the 4-6 year planning horizon and shall be coordinated with NPCC and NERC assessment requirements. They shall cover system performance results of simulation tests and include all supporting documentation specified in NPCC Directory #1, Appendix B, *Guidelines and Procedures for NPCC Area Transmission Reviews*.

4. Study Year

The transmission assessments in the NYCA Transmission Review for meeting Requirement 1 of Reliability Rule B.2 shall generally cover the 4-6 year planning horizon, as required by NPCC (refer to NPCC Directory #1, Appendix B, Section 3.0).

5. Frequency of Reviews

The *NYISO* shall submit the *NYCA* Transmission Review annually to the Reliability Compliance (RCMS) Subcommittee. The schedule for this submission shall be coordinated with NPCC reliability assessment program due dates. The *NYISO* shall notify RCMS of the

NPCC due date of the next review as soon as it is announced by NPCC (refer to NPCC Directory #1, Appendix B, Section 4.0).

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6. Scope of Assessments

6.1. Thermal, Voltage, Stability, Short Circuit, Extreme Contingency, and Extreme System Condition Assessments – Assessments 1 through 4

These assessments may include one of the following types: a Comprehensive (or Full) Review, an Intermediate (or Partial) Review, or an Interim Review. The type of assessment required to be submitted by the *NYISO* in any given year is defined in NPCC Directory #1, Appendix B, Section 4.0. The types of assessments to be prepared for the NYSRC by the *NYISO* for *NYCA* transmission reviews shall be consistent with these NPCC requirements. These assessments shall demonstrate conformance with Directory #1 criteria, as well as the more stringent and specific NYSRC performance criteria in Requirements R1 through R4 of Reliability Rule B.1.

The scope of Assessments 1-4 in the *NYCA* Transmission Review shall be consistent with the assessment presentation formats as defined in NPCC Directory #1, Appendix B, Sections 5.0, 6.0, and 7.0.

6.2. System Restoration – Assessment 5

This assessment is specific to only NYSRC requirements. Assessment 5 requires the *NYISO* to evaluate the *NYCA* reliability impacts of system expansion plans on the *NYCA* system restoration plan (SRP). This assessment further requires that the *NYISO* identify modifications in the SRP required if such reliability impacts are found. The *NYISO* shall provide documentation or references for this assessment.

7.0 Corrective Action Plans

Requirement R1.4 of Reliability Rule B.2 requires the NYISO to include in its transmission reviews, Corrective Action Plans for avoiding criteria violations and achieving conformance with Reliability Rule B.1 performance requirements. The transmission review report shall include a tabular presentation that summarizes all corrective action plans described in the report's assessment discussions. The table shall provide for each Corrective Action Plan: a description of the planned

transmission upgrade or operating procedure for achieving compliance, the responsible TO, and the proposed in-service date.