

Draft For Discussion Purposes Only

Guideline for The Development of Procedures for Implementation and Administration of the Comprehensive Reliability Planning Process

- 1) This procedure will follow the general outline of Work Plan.
- 2) This procedure will expand on the CRPP 2005 Study Report.
- 3) This procedure will reference existing NYISO procedures.
- 4) This procedure will document ESPWG and TPAS methodology decisions made during the 2005 RNA phases of the CRPP.
- 5) This procedure will document the Solutions Phase as well.
- 6) This document will be created in an open process environment.
- 7) Comments welcome at any time.
- 8) Any today?

Procedures for Implementation and Administration of the Comprehensive Reliability Planning Process

Table of Contents

A	OPEN PROCESSES AND METHODOLOGIES
A.10	Procedures to Establish Qualifications for Valid Market Based Response (6.3)
A.20	Criteria to Determine the Viability of Regulated Solutions Based on Project Status (9.0a)
A.30	Criteria to Determine the Viability of Market Based Solutions Based on Project Status (9.0b)
A.40	Criteria for Halting a Regulated Solution (9.0c)
A.50	Criteria to Determine the Cutoff Date For Availability Determination for a Market Based Solution (9.0d)
A.60	Criteria to Determine Beneficiaries of Regulated Solutions to Reliability Needs,(Cost Allocation) (10.2)
A.70	Procedure for Reliability Dispute Resolution (With PSC) (8.3)
B	SUBMISSION OF DATA INPUTS
B.10	TOs Submit Transmission Plans
B.10.01	NYISO MPs (Coordinate with TPAS & ESPWG)
B.10.02	Coordinate with Adjacent Control Areas
B.20	Neighboring Control Area Assessments
B.20.01	Review PJM Recent RTEP
B.20.02	Review ISONE Recent RTEP
B.20.03	Review Ontario Reports
B.20.04	Review HQ Reports
B.20.05	Meet with Neighbors to Finalize Input Assumptions
B.20.06	Review Results with Neighbors
B.30	Transmission Owner Input
B.30.01	Solicit Transmission Owner Input Regarding Plans
B.30.02	Meet With TOs Individually for Input
B.30.03	Meet With TOs Collectively
B.40	Stakeholder Input
B.40.01	Solicit Other Stakeholders for Input
B.40.02	Meet With Sector Groups Collectively
C	DEVELOP BASE CASE & SCENARIOS
C.10	Develop Base Case
C.10.01	Base Case - First Five Years
C.10.02	Base Case - Second Five Years
C.20	Develop Scenarios
C.20.01	Develop Load Forecast Scenarios
C.20.01.01	Base Forecast From L & C Data Report
C.20.01.02	Develop Zonal Forecast
C.20.01.03	High Forecast From Load Forecasting WG
C.20.01.04	Low Forecast from Load Forecasting WG
C.20.01.05	Summarize Assumptions
C.20.01.06	Presentation / Feedback to ESPWG
C.20.01.07	Write Report Section
C.20.02	Develop Resource Scenarios
C.20.02.01	Base Forecast From 2005 L & C Data Book
C.20.02.02	2005 ATRA Catch Up Class Year Process for First Five Years
C.20.02.03	L & C Data Report for Second Five Years
C.20.02.04	Develop List of Resource Scenario Parameters
C.20.02.05	Develop Resource Parameters Criteria
C.20.02.06	Analysis of Resource Scenarios
C.20.02.07	Variations in Proposed New Resources
C.20.02.08	Variations in Existing Resources
C.20.02.09	Variations in Neighboring System Resources
C.20.02.10	Impact of Environmental Regulations
C.20.02.11	Impact of Renewable Portfolio Standard
C.20.02.12	"Impact of Changes in Criteria, Practices, Standards, Procedures, etc"
C.20.02.13	Impact of Fuel Price and Supply
D	RELIABILITY NEEDS ASSESSMENT
D.10	Load and Capacity Data Book Screening Analysis
D.10.01	Develop L & C by Zone
D.10.02	Group Resources by Scenario Groups
D.10.03	Assess the Impact of Ranges of Sensitivity Parameters
D.10.04	Develop tables with Specific Sensitivity Parameters Values
D.10.05	Repeat Above for Scenario Analysis
D.10.06	Develop L & C by Locational Requirements
D.10.07	Assessment of Load Pockets by L & C
D.20	Transmission Adequacy Assessment
D.20.01	Review Other Existing Transmission Adequacy Studies Related to CRPP
D.20.02	Perform Analysis for 5 Year Base Case Period

- D.20.03 Perform Detailed Analysis for Second Five Year Period
- D.20.04 Perform Analysis for Intermediate Years
- D.20.05 Determine Year of Need and Gap Solutions
- D.20.06 Perform Detailed Analysis for Scenario Analysis
- D.30 Develop MW Transfer Capability for Resource Delivery
- D.30.01 Extract Transmission Model and Capability from Latest IRM Study
- D.30.02 Assess Future Validity of IRM Transmission Model Based on Existing Studies
- D.30.03 Assess Future Validity of Other IRM Assumptions Based on Existing Studies
- D.30.04 "If Required, Perform Additional Analysis to Provide for IRM Model Updates"
- D.30.05 Assess Transfer Capability into Load Pockets From Existing Studies
- D.30.06 Assess Transfer Capability Support Levels From Neighboring Systems
- D.30.07 "Assess Treatment of Future Projects in Capacity Markets (UDR, etc)"
- D.40 Resource Adequacy Assessment
- D.40.01 Review Other Existing Resource Adequacy Studies Related to CRPP
- D.40.02 Perform Analysis for 5 Year Base Case Period
- D.40.03 Perform Detailed Analysis for Second Five Year Period
- D.40.04 Perform Analysis for Intermediate Years
- D.40.05 Determine Year of Need and Gap Solutions
- D.40.06 Perform Detailed Analysis for Scenario Analysis
- D.50 Short Circuit Assessment
- D.50.01 Review Other Existing Short Circuit Adequacy Studies Related to CRPP
- D.50.02 Perform Analysis for 5 Year Base Case Period
- D.50.03 Perform Detailed Analysis for Tenth Year of Study Period
- D.50.04 Perform Analysis for Intermediate Years of First Five Year Period
- D.50.05 Determine Year of Need and Gap Solutions
- D.50.06 Perform Detailed Analysis for Scenario Analysis
- D.60 Baseline Reliability Needs Assessment
- D.60.01 "Assess Resource, Transmission Adequacy & Short Circuit Collectively"
- D.60.02 Determine if all Applicable Reliability Criteria is Met
- D.60.03 Identify Potential NYISO Market Failure
- D.70 Evaluation of Alternate Reliability Scenarios
- D.70.01 "Compile Issues/Results of Assessments, Incorporate Into Scenarios"
- D.70.02 Perform Additional Reliability Analyses of Scenarios Identified in Screening
- D.80 Perform Sensitivity Studies
- D.80.01 Evaluate Alternate System Configurations
- D.80.02 Evaluate Operational Modes
- E RNA Draft Report Preparation
- E.01 Develop Outline of Report
- E.20 Write Internal Draft for Review
- E.30 Issue Initial Draft
- E.40 Develop Appendices
- E.50 Issue Final Draft
- E.60 Issue Final Report
- F RNA REVIEW & APPROVAL PROCESS
- F.10 TPAS & ESPWG Review of Draft RNA
- F.20 OC / MC RNA Vote
- F.30 NYISO BOD Action on RNA & Independent Market Advisor Review
- F.40 Issue/Post Final RNA
- F.50 Conduct Public Information Sessions
- G DEVELOPMENT OF SOLUTIONS TO RELIABILITY NEEDS
- G.10 Request Proposal for Regulated Backstop Solution
- G.10.01 Establish Lead time for Responses
- G.20 Conduct Two Step Process for Response Solicitation
- G.20.01 Request Market Based Solutions
- G.20.02 "If None, Request Alternative Regulated Responses"
- G.20.03 Assess Submittals for Procedural Solutions to Reliability Needs
- G.20 NYISO EVALUATION OF PROPOSED SOLUTIONS
- G.20.01 Evaluation of Regulated Backstop Solution
- G.20.02 Evaluation of Market Based Proposals
- G.20.03 Evaluation of Alternative Regulated Responses
- G.20.04 NYISO to Identify and Resolve any Deficiencies in Proposed Solutions
- G.20.05 NYISO Recommends Regulated Backstop Solution
- G.20.06 NYISO Cost Allocation Analysis
- G.20.07 Prepare Draft CRP
- H CRP REVIEW & APPROVAL PROCESS
- H.10 TPAS & ESPWG Review of Draft CRP
- H.20 OC / MC CRP Vote
- H.30 NYISO BOD Action on CRP & Independent Market Advisor Review
- H.40 Issue/Post Final CRP