

Comprehensive Reliability Planning Process (CRPP) Implementation and Scenarios

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May 9&10, 2005

Draft For Discussion Purposes Only

NYISO CRPP: Input and Preparation For Base Case

- Update Process Summary for New York Sources
 - Databank, Gold Book, Statewide Short Circuit Case
 - Solicited Input from Stakeholder Groups
 - Developed Screening Process for Base Case Treatment
 - Individual Meetings with Con Edison and O&R to discuss
Screening Process Impacts/ Study Process/ Coordination
- Neighbor Systems Input
 - For NPCC Neighbors, SS37 Process with Coordinated Mid Process Update
 - PJM Individual Visit, Coordination with PJM RTEP, Permanent Working Group Member for SS37

NYISO CRPP: Input and Preparation For Base Case

- Initial Development of Base Cases for Ten Year Period
 - Base Case Inclusion Rules And Screening Completed
 - Second Five Year Period Continues From First Five Year Base Case Assumptions and Includes Only Load Forecast and Retirement Updates
 - Initial Cases Reviewed and Thermal Transfer Limits Screened
 - Analysis Being Done to Develop Best Method to Develop Cases, From Short Term Case Projected Out, or Mid Term Case Projected Back and Out
 - Met With NYISO Databank Group to Review Base Cases and Review Criteria And Methodologies

NYISO CRPP: Proposed Scenario Analysis

- Directly from Attachment Y

Load Forecast Uncertainty – Base, Low, High Forecast
Also Modeled in Resource Adequacy Analysis

Fuel Price and Availability – Combined in Scenarios

New Resources & Retirements - Combined in Scenarios

Environmental Regulation Limitations – Reflected in Coal and
Nuclear Retirement Scenarios, Plant Location Scenario

Transmission Network Topology – Reflected in Additional TO
or Neighbor System Network Changes (M29, etc.)

- Taken From the Initial Planning Process (IPP) Report
- Developed from Stakeholder Input and Consultant Input

NYISO CRPP: List of Proposed Scenario Analyses

- Load Forecast Uncertainty – Base, Low, High as Required
- Nuclear Retirement Scenarios
 - Indian Point 2 & 3
 - Plant License Non Renewal
- Coal Retirement Scenarios
 - Older Plants
 - Add Newer NY Plants and Neighbor System Retirements
- TO Projects
- Additional Resources
 - Large Remote Units
 - RPS Impacts and Demand Side Programs
- Neighboring System Delivery Schedules
 - PAR Schedules (ABC Lines)
 - Tie Assistance and External ICAP

**NEW YORK ISO COMPREHENSIVE PLANNING PROCESS FOR RELIABILITY NEEDS
TIMELINE**

ID	Task Name	Begin	End	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
1	NYISO COMPREHENSIVE RELIABILITY PLANNING PROCESS	January	June	[Summary bar]																							
2	Submission of Data Inputs	January	February	[Task bar]																							
3	TOs Submit Transmission Plans	January	February	[Task bar]																							
4	Neighboring Control Area Assessments	January	February	[Task bar]																							
5	Transmission Owner Input	January	February	[Task bar]																							
6	Stakeholder Input	January	February	[Task bar]																							
7	Develop Base Case & Scenarios	March	March	[Task bar]																							
8	Develop Base Case	March	March	[Task bar]																							
9	Develop Scenarios	March	March	[Task bar]																							
10	Reliability Needs Assessment	April	August	[Task bar]																							
11	Load & Capacity Data Book Screening Process	April	August	[Task bar]																							
12	Transmission Adequacy Assessment	April	August	[Task bar]																							
13	Develop MW Transfer Capability for Resource Delivery	April	August	[Task bar]																							
14	Resource Adequacy Assessment	April	August	[Task bar]																							
15	Short Circuit Assessment	April	August	[Task bar]																							
16	Baseline Reliability Needs Assessment	April	August	[Task bar]																							
17	Evaluation of Alternate Reliability Scenarios	April	August	[Task bar]																							
18	Perform Sensitivity Studies	April	August	[Task bar]																							
19	RNA Draft Report Preparation	April	August	[Task bar]																							
20	RNA Review & Approval Process	September	December	[Task bar]																							
21	TPAS & ESPWG Review of Draft RNA	September	September	[Task bar]																							
22	OC / MC RNA Vote	October	October	[Task bar]																							
23	NYISO BOD Action on RNA & Independent Market Advisor Review	November	November	[Task bar]																							
24	Issue / Post Final RNA	November	November	[Milestone diamond]																							
25	Conduct Public Information Sessions	November	December	[Task bar]																							
26	Development of Solutions to Reliability Needs	December	January	[Task bar]																							
27	Request Proposal for Regulated Backstop Solution	December	January	[Task bar]																							
28	Conduct Two Step Process for Response Solicitation	December	January	[Task bar]																							
29	Assess Submittals for Procedural Solutions to Reliability Needs	December	January	[Task bar]																							
30	NYISO Evaluation of Proposed Solutions	February	March	[Task bar]																							
31	Evaluation of Regulated Backstop Solution	February	March	[Task bar]																							
32	Evaluation of Market Based Proposals	February	March	[Task bar]																							
33	Evaluation of Alternative Regulated Responses (With PSC)	February	March	[Task bar]																							
34	NYISO to Identify & Resolve Deficiencies in Proposed Solutions	February	March	[Task bar]																							
35	NYISO Recommends Regulated Backstop Solution	February	March	[Task bar]																							
36	NYISO Cost Allocation Analysis	February	March	[Task bar]																							
37	Prepare Draft CRP	March	March	[Task bar]																							
38	CRP Review & Approval Process	April	June	[Task bar]																							
39	TPAS & ESPWG Review of Draft CRP	April	April	[Task bar]																							
40	OC / MC CRP Vote	May	May	[Task bar]																							
41	NYISO BOD Action on CRP / Independent Market Advisor Review	June	June	[Task bar]																							
42	Issue / Post Final CRP	June	June	[Milestone diamond]																							

Project: NYISO CRPP Timeline Rev 3

Task



Milestone



Summary

