

# Comprehensive Reliability Planning Process (CRPP) Implementation and Scenarios

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**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

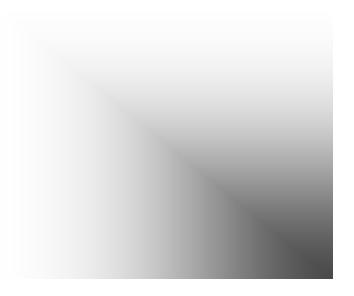
Load Forecast Uncertainty – Base, Low, High Forecast Also Modeled in Resource Adequacy Analysis
Fuel Price and Availability – Combined in Scenarios
New Resources & Retirements - Combined in Scenarios
Environmental Regulation Limitations – Reflected in Coal and Nuclear Retirement Scenarios, Plant Location 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



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