NYISO's "Planning Strawman"

In Response to Order 890

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FERC Technical Conference

June 28, 2007

Pittsburgh, PA

Outline

- Background
  - *NYISO's Market-Based Philosophy*
  - *NYISO's Approach to Planning*
  - *NYISO & TO's Planning Responsibilities*
- Comprehensive Reliability Planning Process (CRPP)
- Economic Planning Process
- Interregional Planning
  - *ISO/RTO Planning Principles*
  - *Northeast Protocol*
- NYISO's Approach to Address Order 890's Planning Principles
- NYISO "Planning Strawman"
  - *Compliance with FERC's Planning Principles*
  - *Proposed Enhancements*
- Next Steps
- Appendix A: CRPP
- Appendix B: NYISO's Existing Economic Planning Process
- Appendix C: Northeastern Planning Protocol

BACKGROUND

NYISO's Market-Based Philosophy

- NYISO is a strong believer in the power of markets and strives to achieve market-based solutions whenever possible
  - *Market design & rules*
  - *Planning process*
- This philosophy has been generally supported by the NYS PSC and most other stakeholders and market participants
  - *NYISO utilizes an open and transparent process with stakeholder participation*
- The NYISO's markets and LMP pricing signals provide the benefits of competition while achieving the intended results (e.g.– majority of new merchant generation & transmission proposed for SE NY region)
- Developers and investors can assess normal market risks reasonably well
  - *Risk of regulatory intervention is less certain*
  - *Uncertainty of regulatory intervention can have a chilling effect on the market*

Development of NYISO's Current Planning Process

- Phased approach
  - *Phase I: Reliability Needs*
  - *Phase II: Economic Considerations*
- Anchored in NYISO's market-based philosophy
- Dedicated stakeholder group was established in June 2003
  - *Electric System Planning Working Group (ESPWG)*
  - *Outgrowth of NYISO's Strategic Planning process*
  - *ESPWG has a continuing role during implementation*
- Active participation by market participants and NYPSC Staff throughout this process

NYISO's Planning Responsibilities

- NYISO is the transmission service provider for New York in accordance with its OATT
- NYISO's Comprehensive Reliability Planning Process ("CRPP")
  - *Attachment Y to NYISO OATT*
  - *Applicable to NYS Bulk Power Transmission Facilities ("BPTF")*
  - *Based upon Annual Transmission Review for NPCC*
  - *Applicable to facilities generally above 115KV*
- NYISO administers the interconnection process for all transmission interconnections in New York
  - *Attachment X (LGIP) & Attachment Z (SGIP)*
  - *Attachment S – Interconnection Cost Allocation*

NY TO's Planning Responsibilities

- Responsible for planning for the reliability of their local systems
- TO plans are submitted to the NYISO for review
- TO plans are used as input to the NYISO's CRPP & Interconnection System Impact Studies
- TOs assist NYISO with respect to modeling of their local systems
- TOs assist NYISO in performance of Facilities Studies for interconnections
- TOs also have responsibility for reliability under NY Public Service Law

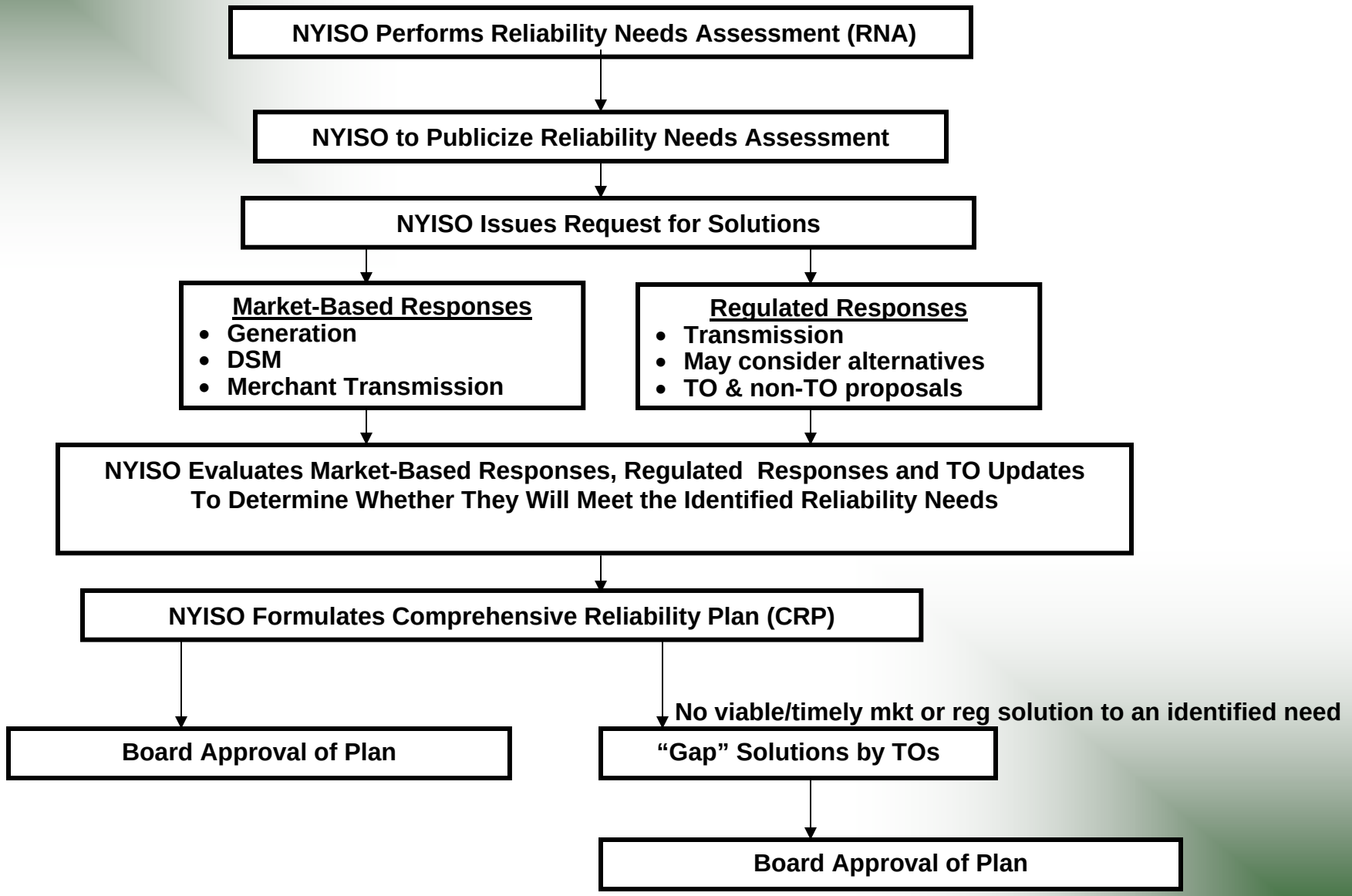
NYISO's Comprehensive Reliability Planning Process (CRPP)

(See Appendix A)

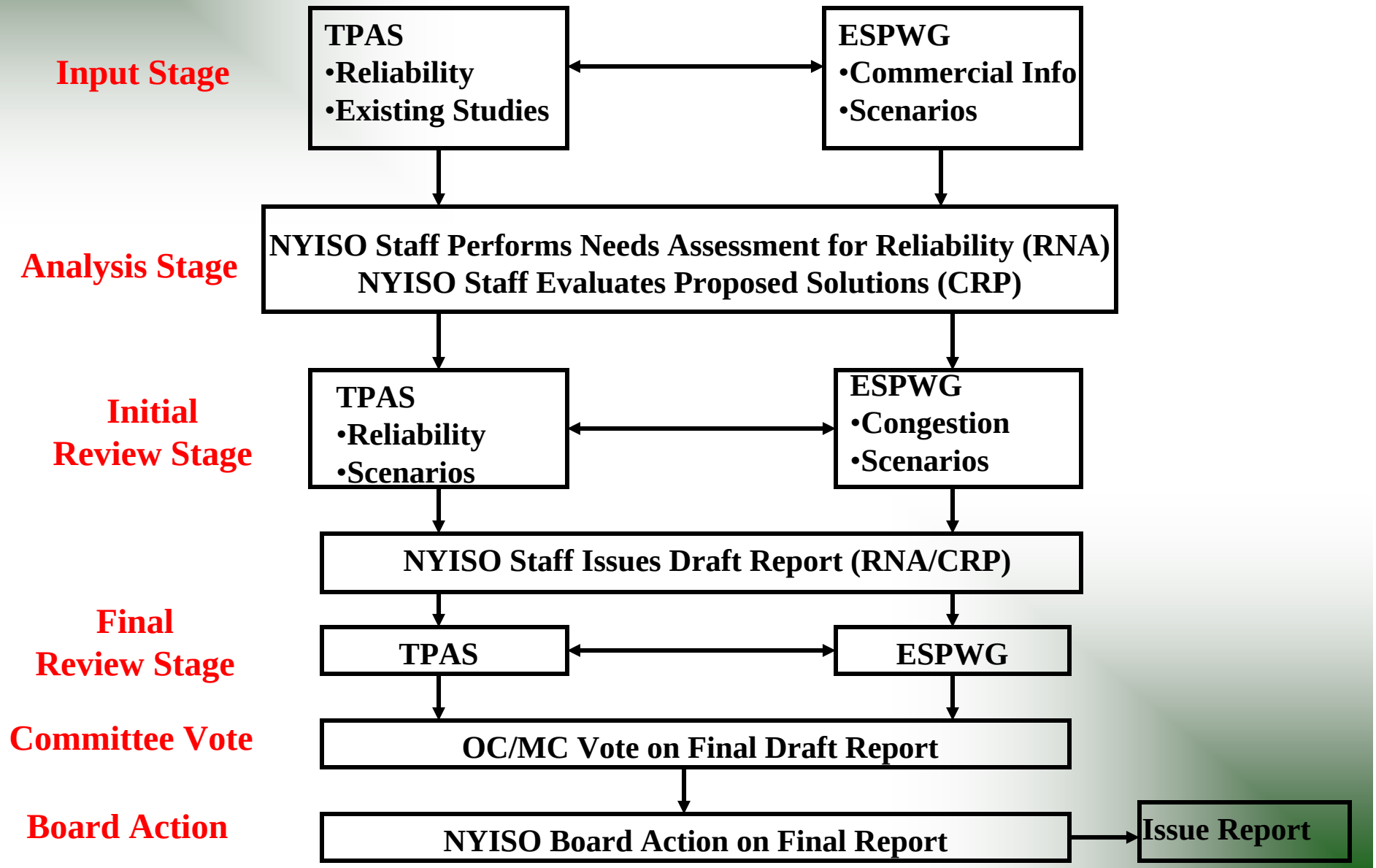
Phase I: Reliability Needs (CRPP)

- NYISO proposed a Comprehensive Planning Process for the identification and resolution of reliability needs that was approved by FERC on December 28, 2004
  - *Contained in NYISO OATT: Attachment Y*
- The CRPP also includes a methodology for the analysis and reporting of historic congestion costs
  - *Utilizing agreed-upon metrics*
- The Commission found the NYISO CRPP:
  - *to "…properly balance.." consideration of market-based and regulated solutions; and that*
  - *"It is certainly a substantial improvement over planning processes that have traditionally depended upon TO-developed regulated solutions."*

NYISO Comprehensive Reliability Planning Process

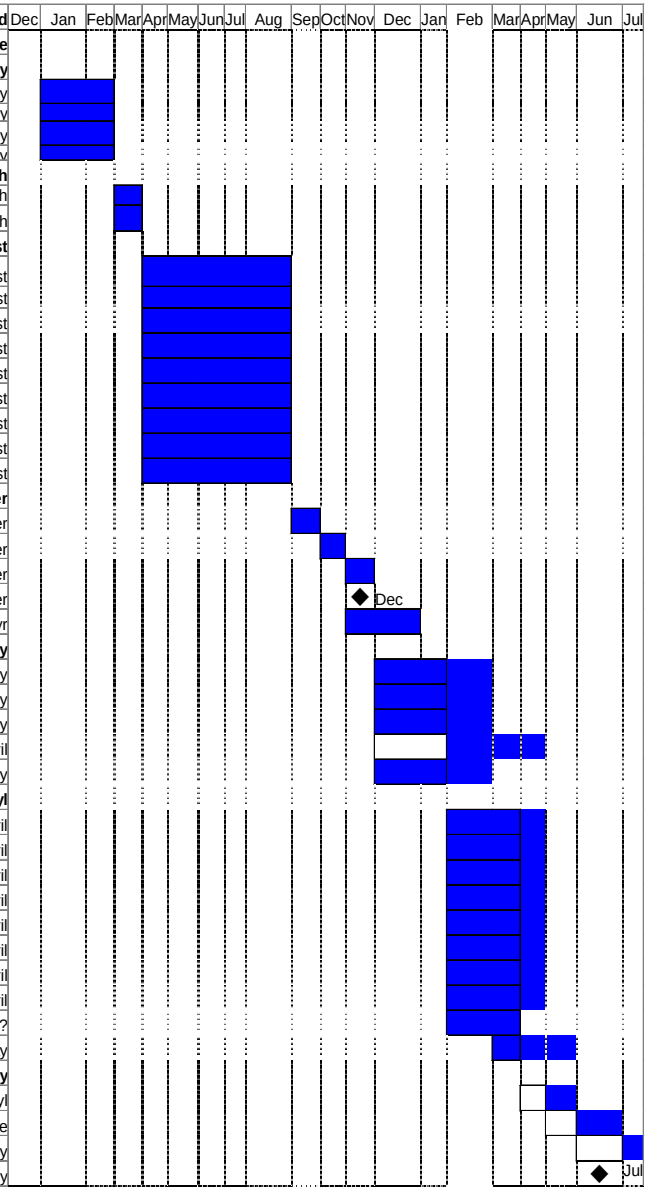


NYISO CRPP: Stakeholder Participation



NYISO 2008 CRPP Schedule

ID	Task Name	Start	End
1	**NYISO COMPREHENSIVE RELIABILITY PLANNING PROCESS**	**January**	**June**
2	**Submission of Data Inputs**	**January**	**February**
3	TOs Submit Transmission Plans	January	February
4	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
16	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	December
24	Issue / Post Final RNA	December	December
25	Conduct Public Information Sessions	December	Januaryr
26	**Development of Solutions to Reliability Needs**	**December**	**January**
27	Request Proposal for Regulated Backstop Solution & Establish Lead Time	December	February
28	Conduct Two Step Process for Response Solicitation	December	February
	Request Market Based Solutions	December	February
	If none, Request Alternative Regulated Responses	February	April
29	Assess Submittals for Procedural Solutions to Reliability Needs	December	February
30	**NYISO Evaluation of Proposed Solutions**	**February**	**Mayl**
31	Evaluation of Regulated Backstop Solution	February	April
32	Evaluation of Market Based Proposals	February	April
33	Evaluation of Alternative Regulated Responses (With PSC)	February	April
34	NYISO to Identify & Resolve Deficiencies in Proposed Solutions	February	April
35	NYISO Recommends Regulated Backstop Solution, If Necessary	February	April
36	NYISO Determines if Reliability Needs are Not Met in Timely Manner	February	April
	NYISO Identifies Need for Gap Solution in CRP, Request TO to Seek	February	April
	If Threat is Imminent, Gap Solutions Outside of Normal Planning Cycle	February	April
37	NYISO Cost Allocation Principles and Analysis	February	????
38	Prepare Draft CRP	March	May
39	**CRP Review & Approval Process**	**May**	**July**
40	TPAS & ESPWG Review of Draft CRP	Mayl	Mayl
41	OC / MC CRP Vote	June	June
42	NYISO BOD Action on CRP / Independent Market Advisor Review	July	July
43	Issue / Post Final CRP	July	July



NYISO's Economic Planning Process

(See Appendix B)

Phase II: Economic Considerations

- NYISO began stakeholder discussions on economic issues immediately following the filing of its CRPP proposal with FERC
- NYISO presented its "Strawman" proposal to the ESPWG in November 2004
- NYISO Economic Planning "Strawman" was approved by the NYISO Operating Committee in February 2005
  - *Received support from all stakeholder sectors*
  - *Filed with FERC as part of the CRPP status report in March '05*
  - *Accepted by FERC in June '05*

NYISO's Existing Economic Planning Process

- Expanded reporting of historic congestion
- Focus on enhanced market-based initiatives
- Perform future estimates of congestion
- Economic upgrades are participant funded
- Provides for analysis of proposed economic upgrades in accordance with NYISO Tariff
- NYISO does not:
  - *Determine congestion thresholds*
  - *Propose solutions*
  - *Perform cost-benefit /cost allocation*
  - *Direct construction of economic upgrades*

Interregional Planning
&
Coordination

ISO/RTO Regional Planning: Common Principles*

1. Independent analysis performed by ISO/RTOs
2. Includes both reliability & economic components
3. Open & transparent stakeholder process
4. Market-based solutions
5. Consider all resources
6. Regulated backstop solutions—if needed
7. ISO/RTO Board approves final Plan

* **See ISO/RTO Electric System Planning Report, IRC Planning Committee, February 2006**

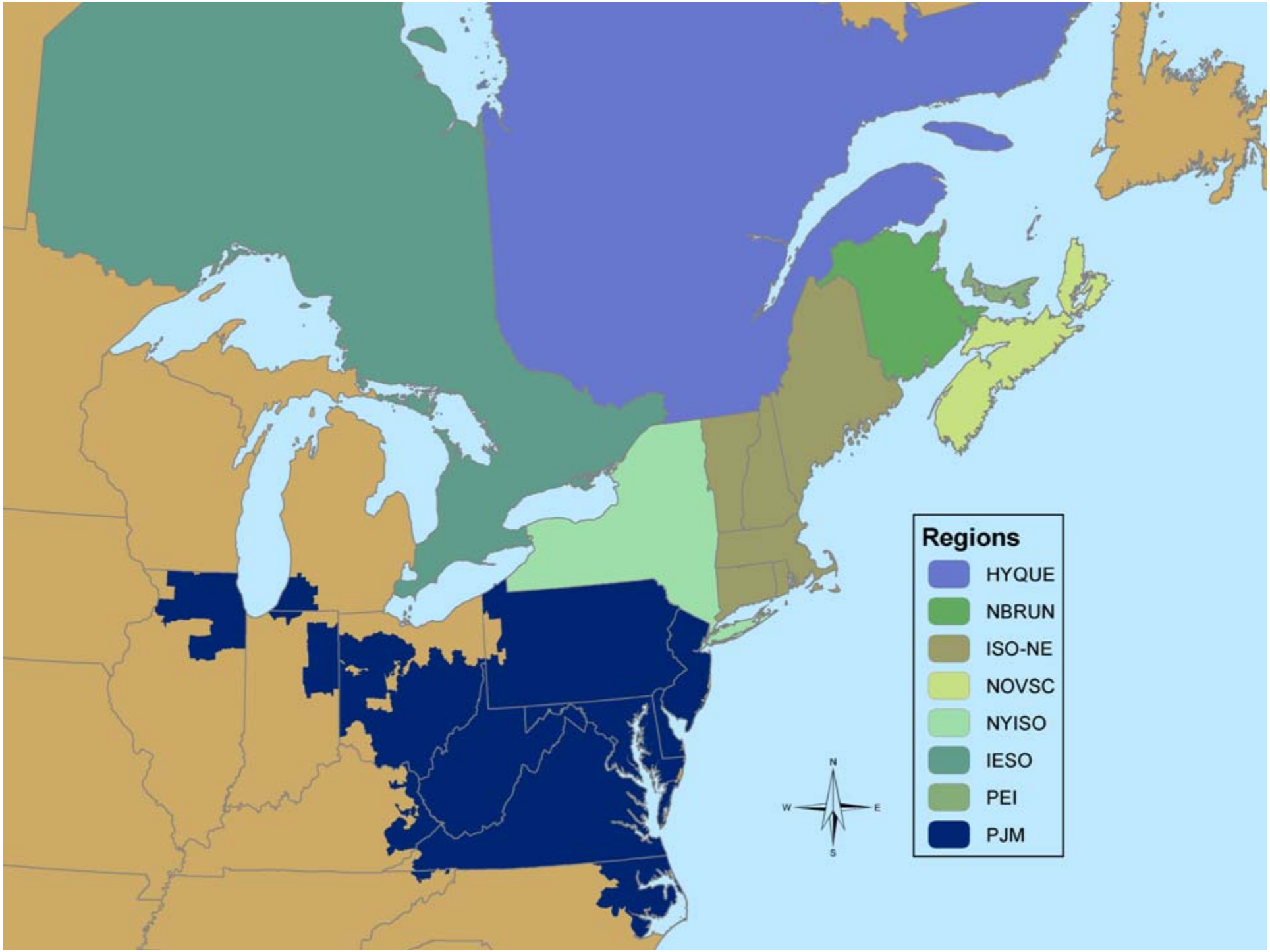
Northeast: Interregional Planning

- Informal coordination between ISO/RTOs and neighboring Control Areas has always existed
- NPCC and Reliability First coordinate planning within and between their regions
- Broader level interregional planning
  - *Former "MEN" and "VEM" groups—now under ERAG*
- Northeastern ISO/RTOs realized that a more structured agreement could enhance the existing process and reduce seams among the regions

Northeastern ISO/RTO Coordination of Planning Protocol (See Appendix C)

- Northeastern Protocol was executed in December 2004 by ISO-NE, NYISO & PJM
  - *IESO, Hydro-Quebec Transenergie & New Brunswick are participating on a limited basis*
  - *Supported by NPCC Staff*
  - *Regional stakeholder committee ("IPSAC")*
  - *Website: www.interiso.com*

- Objectives of Protocol
  - *Provide a vehicle for enhanced coordination of planning throughout the Northeast*
  - *Resolve planning-related seams issues*
  - *Enhance coordinated performance of the bulk system*
  - *Support and supplement (not replace or supercede) each ISO's individual regional planning procedures*
  - *Protocol will be modified as needed to ensure consistency with RTO/ISOs' tariffs*
    - Tariff changes are subject to respective RTO/ISO governance


Regions
HYQUE
NBRUN
ISO-NE
NOVSC
NYISO
IESO
PEI
PJM
N
W
E
S

Northeastern Coordinated System Plan ("NCSP")

- The First NCSP was published in April 2005
- Three regional stakeholder (IPSAC) meetings held during 2005 & 2006 to obtain input/suggestions
- Fourth IPSAC Meeting was held in Albany on March 23, 2007 to provide feedback to stakeholders
- ISOs presented results of analyses in several areas
  - *Fuel diversity: electric/gas infrastructure issues*
  - *Resource adequacy: unit retirements*
  - *Transmission adequacy*
    - PJM Loss-of source study
    - NYISO loss-of-source study
  - *Inter-area oscillations*
  - *Environmental Issues*

NYISO's Approach to Order 890

NYISO's Approach to Order 890

- Work with ESPWG/TPAS to develop planning "Strawman"
  - *5 ESPWG meetings held from March to early May*
  - *NYISO proposed draft "Strawman" in early April*
  - *Separate discussions held with NY PSC, TOs & other Sectors*
- Demonstrate that NYISO's existing planning process already meets most of the FERC planning principles:
  - *Coordination; Openness; Transparency; Information Exchange; Comparability; Dispute Resolution*
- CRPP also meets the following principles for reliability needs:
  - *Regional Participation; Cost Allocation*
- Modify NYISO's existing economic planning process to address the Economic Planning Principle
  - *Including Cost Allocation*
- Address the Regional Participation Principle through the Northeast ISO/RTO Coordination of Planning Protocol

NYISO's Approach: Economic Planning

- Begin with NYISO's Economic Planning Strawman that was approved by the OC in February '05
- Compare with the requirements of Order 890
- Outline a process for prioritization & selection of congestion studies which are of most value to MPs
  - *To include studies for the "integration of new generation resources on a regional basis"*
  - *Identification of potential solutions*
  - *Develop a process for "additional studies"*
- Address cost allocation principles
- Align with existing CRPP process
- Consider NYISO resource requirements/limitations

NYISO's Planning Strawman

NYISO's Draft "Planning Strawman"

Two-part document:

- Documentation showing how the existing NYISO planning process fully meets most of Order 890's nine "Planning Principles"
  - *Recognizes FERC's intent "not to re-open prior approvals"*
  - *Similar to the approach taken by other ISO/RTOs*
  - *Supported by NYISO Stakeholders*
- Attachment: "Economic Planning Strawman"
  - *Proposed modifications to existing planning process to address Order 890's requirements*
  - *Large majority—but not universal—stakeholder support*

FERC's Nine "Planning Principles"

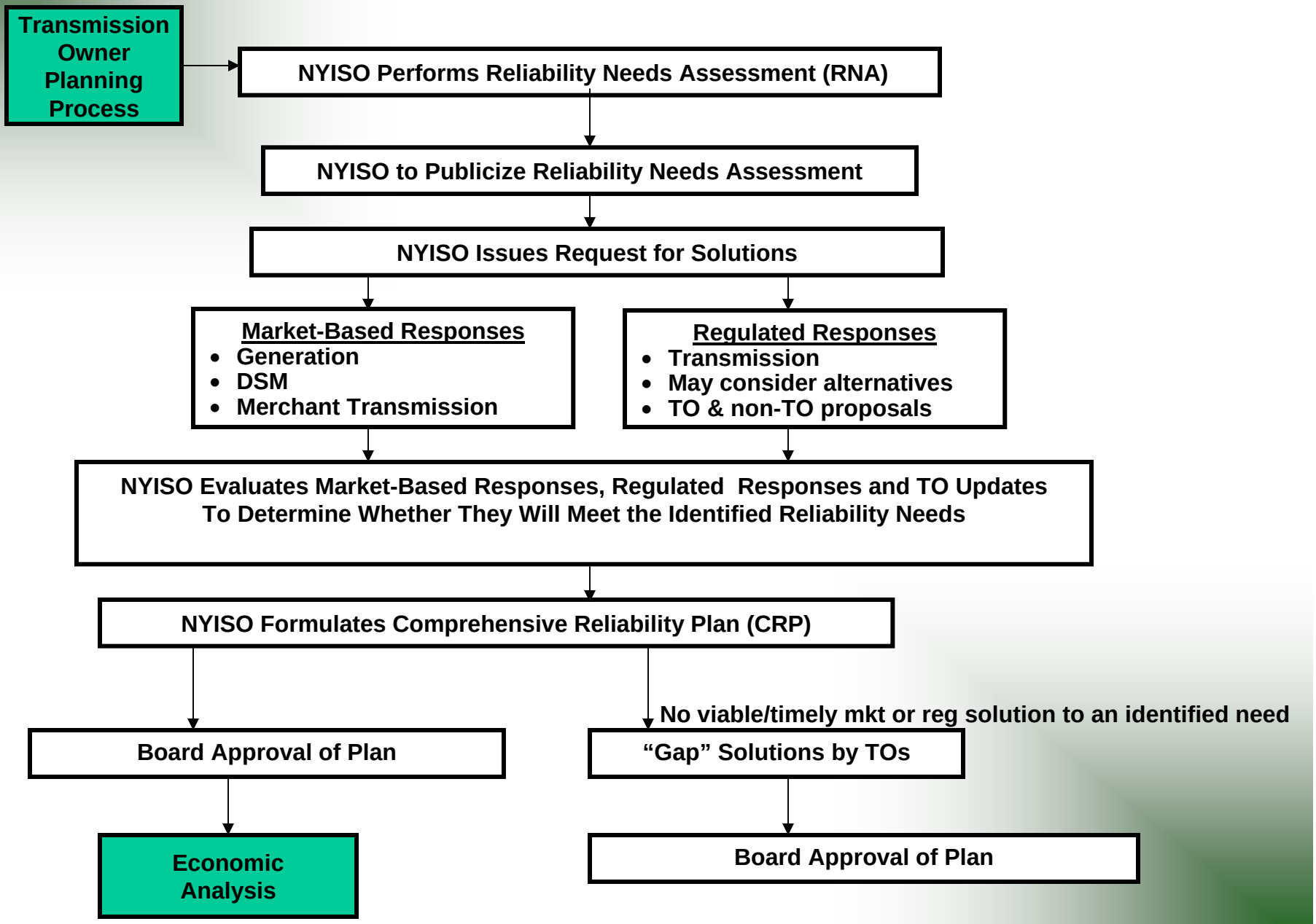
- NYISO's CRPP already satisfies the following FERC planning principles:
  - *Coordination*
  - *Openness*
  - *Transparency*
  - *Information Exchange*
  - *Comparability*
  - *Dispute Resolution*
  - *Cost Allocation (for reliability)*
  - *Interregional Participation (for reliability)*

Proposed Enhancements

- To address the NY Transmission Owners' planning role in the context of the NYISO planning process
  - *To provide a more transparent forum for presentation and discussion of TOs' local transmission plans*
  - *Separate presentation by NYTOs*

- Enhancements are proposed to the existing NYISO Economic Planning process
  - *To address the additional requirements of Order 890*
  - *To build upon the results of the CRPP process*
  - *To include cost allocation principles*

NYISO Proposed "Strawman" Planning Process



NYISO Economic Planning Strawman

Major Modifications to Existing NYISO Process

- Addition of a process for identification and prioritization of congestion studies
  - *To be developed jointly with stakeholders*
  - *Distinguish from other Tariff study requirements*
- Alignment with CRPP
  - *Propose a sequential process*
  - *Build upon the results of the CRPP*
- Addition of cost allocation principles

Other Issues

- A large majority of NYISO's stakeholders continue to advocate an "information only" role for the NYISO re: economic issues
- Many stakeholders have expressed a concern for budgetary and resource impacts on the NYISO
- While there is general agreement on the cost allocation principles for economic projects, the need for development of a specific methodology remains contentious
- Regional Participation: cost allocation will be even more difficult to resolve

Next Steps

Next Steps

- Strawman Posted: May 29th
- FERC Technical Conference: TODAY
  - *Stakeholder discussion*
  - *Input from FERC Staff*
- Develop Tariff modifications with stakeholder input
  - *July-September*
  - *Focus on Economic Planning/Cost Allocation*
  - *Incorporate TO's Local Planning Process*
  - *Minor modifications to existing CRPP process*
- Compliance Filing: due October 11th

APPENDIX A

NYISO'S Comprehensive Reliability Planning Process (CRPP)

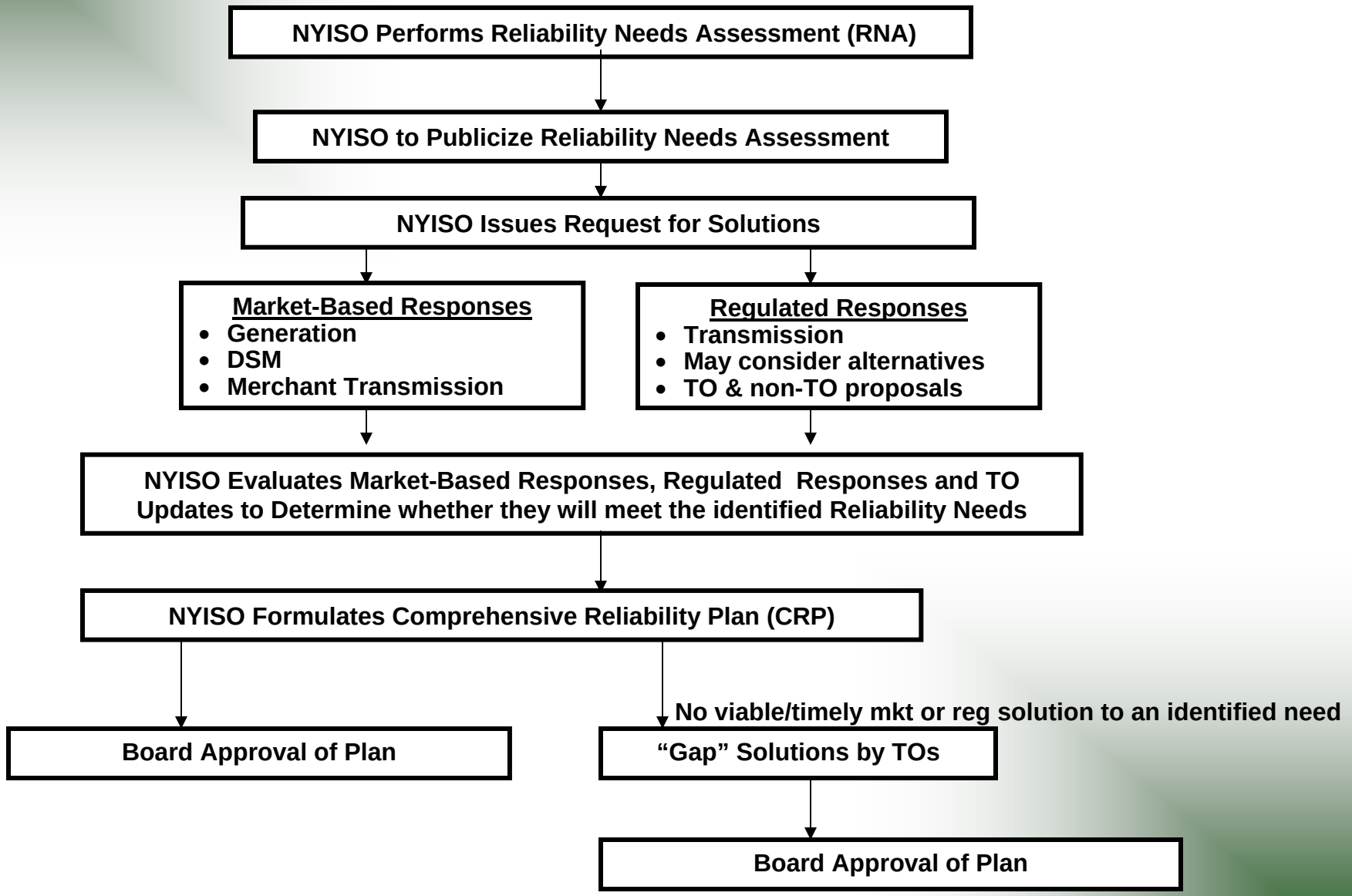
Phase I: Reliability Needs (CRPP)

- Established a Comprehensive Planning Process for the identification and resolution of reliability needs that was approved by FERC on December 28, 2005
- The proposal included a methodology for the analysis and reporting of historic congestion costs
- FERC found the NYISO CRPP:
  - *to "properly balance" consideration of market-based and regulated solutions; and that*
  - *"It is certainly a substantial improvement over planning processes that have traditionally depended upon TO developed regulated solutions."*

NYISO Comprehensive Reliability Planning Process

- Establishes a formal long-term (10-year) planning process for the NYISO
  - *Provides for both market-based & regulated backstop solutions*
  - *Addresses roles of NYISO, FERC and NY PSC*
  - *Addresses cost allocation and cost recovery issues*
  - *Provides a commitment to investigate cause of potential market failure and to modify market rules as needed*
  - *NYISO-TO Agreement addresses TOs' rights and obligations under CRPP*
- Meets NYISO Objective: To ensure that upgrades will be built when needed for reliability

NYISO's Comprehensive Reliability Planning Process



Reliability Needs Assessment ("RNA")

- NYISO Staff will perform a Reliability Needs Assessment over the 10-year planning horizon based upon existing reliability criteria
- Scenario analysis will be employed to test the robustness of the base case assumptions
- RNA will identify violations of reliability criteria, but will not identify specific facilities to meet the identified needs
- Provision for MP input & review of RNA
  - *Through ESPWG & TPAS*
  - *Vote at OC and MC*
- Provision for coordination with adjacent regions
- NYISO Board has final approval of RNA
- The final approved Reliability Needs Assessment will be widely distributed
  - *Posted on NYISO website*

Request for Solutions

- Following issuance of its RNA, the NYISO will provide an appropriate time period for the development of market-based & regulated responses
- Process is open to all resources
- NOT a formal "RFP" process
- When a Reliability Need is first identified by the NYISO:
  - *TOs have obligation to prepare a regulated backstop proposal*
  - *Such proposals are not limited to transmission*
  - *Development time for the regulated backstop provides the benchmark for the lead time for non-TO alternate proposals*

Request For Solutions (Cont'd)

- Market-based proposals are prepared in parallel with regulated backstop proposals
  - *All resources are eligible: generation, merchant transmission, demand response*
- Non-TOs may submit alternative regulated proposals to the NYDPS for consideration
  - *Such proposals which satisfy the DPS may be submitted to the NYISO for evaluation*

NYISO Evaluation Process

- NYISO will evaluate all proposals to determine if they will meet the identified reliability needs
- Regulated backstop proposals by TOs will establish the lead time for non-TO proposals
- If Market–based proposals are judged sufficient to meet the identified needs in a timely manner, the Comprehensive Reliability Plan ("CRP") will so state
  - *NYISO will not select from among the market-based responses*
  - *NYISO will monitor status of market-based projects to ensure needs will continue to be met as part of its annual update process*

NYISO Evaluation Process (Cont'd)

- If Market proposals are judged insufficient, NYISO will indicate that a regulated solution is needed in the CRP
- NYISO will evaluate non-TO regulated alternatives to determine whether they will meet the identified need, and will report its evaluation in the CRP
- If market-based proposals are not forthcoming
  - *NYISO and its Independent Market Advisor will investigate whether that is due to market failure in one of its markets*
  - *If so, NYISO and its IMA will examine appropriate modifications to its market rules with MPs.*

CRP Review and Approval Process

- NYISO staff issues draft CRP including designated regulated backstop solutions, if needed, to meet identified reliability needs
- NYISO Staff draft CRP is circulated for stakeholder review and comment
- NYISO staff makes revisions as appropriate
- Final draft CRP is sent to the appropriate stakeholder committees for review and vote
- NYISO staff makes revisions as appropriate
- Final draft CRP sent to Board for approval
  - *Provision for remand to Management Committee*
  - *NYISO Board to have final approval of CRP*
- CRP provided to regulatory agencies for their consideration
  - *Posted on NYISO website*

Implementation of Regulated Backstop Solution

- If market-based solutions are insufficient to meet Reliability Needs by need date
- NYISO can “trigger” a regulated backstop solution
- CRP will indicate the need to trigger a regulated solution
- NYISO requests Responsible TO(-s) to seek regulatory approval of backstop solution
- PSC and other regulatory agencies proceed with their review & approval
  - *Alternate regulatory solutions may be proposed for consideration*
- Regulated project proceeds to implementation
  - *Unless halted by the NYISO due to the appearance of a viable market-based project*

"Gap" Solutions for Immediate Needs

- If neither market proposals nor regulated proposals can satisfy the need in a timely manner, the NYISO may trigger a "Gap" solution
  - *NYISO may seek a gap solution outside of the normal Planning Process if there is an imminent threat to reliability*
  - *NYISO will not contract directly for gap resources*
- TOs assume the obligation to immediately propose a "gap solution" for consideration by the NYISO and DPS
- To the extent possible, the gap solution should be temporary and strive to ensure that market based solutions will not be economically harmed
- A permanent regulated solution, if appropriate, may proceed in parallel with gap measures

Cost Allocation and Cost Recovery

- Cost Allocation for Regulated Projects
  - *Based upon a "beneficiaries pay" principle*
  - *Specific methodology to be developed by NYISO/ESPWG*
  - *Near-term reliability needs are not anticipated based upon Phase I needs assessment*
- Cost Recovery for Regulated Projects
  - *Transmission solutions*
    - TOs to file for recovery with FERC
    - Recovery proposed through a separate rate schedule under the NYISO Tariff
  - *Non-transmission solutions (generation & demand response)*
    - In accordance with NYS Public Service Law

NYISO-TO Agreement

- Defines TO rights and obligations with respect to the Comprehensive Reliability Planning Process
- TOs assume obligation to provide backstop regulated solutions
  - *If NYISO determines that there are no viable market-based solutions which will meet identified Reliability Needs*
  - *Subject to cost recovery, permitting and other conditions*
- Supplements existing NYISO/TO Agreement
  - *Not subject to OC/MC approval*
- Approved by FERC

Role of the NYS PSC

- Reviews “regulated alternatives” proposed by TOs or other developers upon request
- Reviews and screens “gap” solutions
- Adjudicates disputes relating to reliability determinations in final RNA and in CRP if solely within NYSPSC’s jurisdiction
- Reviews TOs’ backstop solution when NYISO determines action is necessary to ensure reliability
- PSC has final siting & certification authority with respect to solution ultimately implemented
- PSC participation in the NYISO process will facilitate necessary approvals to ensure reliability

APPENDIX B

NYISO's Existing Economic Planning Process

NYISO's Approved Economic Planning "Strawman"

- Strawman was initially presented to ESPWG in November 2004
- Approved by the NYISO Operating Committee in February 2005
  - *Received support from all stakeholder sectors*
  - *Supported by the NYS PSC*
- Filed with FERC as part of the CRPP status report in March '05
  - *Accepted by FERC in June '05*

Economic Planning Process

- Expanded reporting of historic congestion
  - *Quarterly postings on NYISO website (In Place)*
  - *Track congestion by key constraints (In Place)*
  - *Perform "what-if" analysis*
  - *Report on other economic parameters*
- Focus on enhanced market-based initiatives
  - *Analyze performance of all NYISO markets*
  - *Identify areas for improvement*
  - *Pursue improvements through NYISO committee process*

Economic Planning Process (Cont'd)

- Future estimates of congestion
  - *Based upon CRPP 10-year planning horizon*
  - *Assumptions developed in an open transparent process*
  - *Perform "what-if" analyses for various scenarios*
  - *Publish results with appropriate assumptions & caveats*
- NYISO analysis of proposed upgrades
  - *To ensure reliability (CRPP & Interconnection Process)*
  - *Cost allocation for System Upgrade Facilities (Attachment S)*
  - *TCC allocation*
  - *Eligibility for Unforced Capacity Deliverability Rights (UDRs)*

Economic Planning Process (Cont'd)

- Economic upgrades are proposed by the marketplace and are participant funded
- The NYISO does NOT:
  - *Determine a threshold for congestion that requires a specific action*
  - *Propose solutions*
  - *Draw any conclusions pertaining to the potential economics of a proposed upgrade*
  - *Perform cost/benefit analysis*
  - *Perform cost allocation analysis*
  - *Mandate solutions*

APPENDIX C

Northeastern ISO/RTO Coordination of Planning Protocol

Northeast Planning Region: Statistics (2005 Data)

- US Regions: ISO-NE, NYISO & PJM
  - *Load: 188,000MW*
  - *Capacity: 232,000MW*
  - *Population Served: 84.4 Million (29% of US)*
- Canadian Regions: Ontario, Quebec, Maritimes
  - *Load: 47,000MW*
  - *Capacity: 68,000MW*
  - *Population Served: 21 Million (66% of Canadian)*

Northeastern ISO/RTO Coordination of Planning Protocol

- Northeastern Protocol was executed in December 2004 by ISO-NE, NYISO & PJM
  - *IESO, Hydro-Quebec Transenergie & New Brunswick are participating on a limited basis*
  - *Supported by NPCC Staff*

- Objectives of Protocol
  - *Provide a vehicle for enhanced coordination of planning throughout the Northeast*
  - *Resolve planning-related seams issues*
  - *Enhance coordinated performance of the bulk system*
  - *Support and supplement (not replace or supercede) each ISO's individual regional planning procedures*
  - *Protocol will be modified as needed to ensure consistency with RTO/ISOs' tariffs*
    - Tariff changes are subject to respective RTO/ISO governance

Northeastern Protocol: Key Elements

ADMINISTRATIVE FEATURES

- Establish a Joint ISO/RTO Planning Committee ("JIPC")
  - *To oversee all planning activities under the protocol*
  - *Senior Planning Staff of Parties & Canadian participants*
- Establish an Inter-Area Planning Stakeholder Advisory Committee ("IPSAC")
  - *To ensure stakeholder input during the planning process*
  - *Open to all stakeholders from the Northeast region*
- Establishment of a web site: www.interiso.com
  - *Maintained by NPCC*

Northeastern Protocol: Key Elements (Cont'd)

TECHNICAL INITIATIVES

Procedures Established for:

- *Data and information exchange*
- *Analysis of interconnection requests*
- *Analysis of transmission service requests*
- *Development of a Northeastern Coordinated System Plan "(NCSP")*

OTHER PROVISIONS

- Cost Allocation
  - *Place-holder provided*
    - "Cost allocation for elements of the NSCP will be addressed consistent with the applicable provisions of each ISOs tariff"
- Dispute Resolution
  - *Includes all aspects of the protocol*
  - *May employ a third-party for dispute resolution if desired*

Northeastern Coordinated System Plan "(NCSP"): 2005

- Issued to stakeholders on April 6, 2005
- Consolidates each region's current system assessments and plans
  - *Includes summaries of most recent plans*
  - *Includes references to August 2003 Blackout response initiatives*
  - *Links provided to complete reports*
- Includes NPCC, MAAC & other interregional planning initiatives
- Identifies inter-area system planning issues & risks
- Identifies potential issues for future analysis
- Intended to serve as the basis for a fully coordinated NCSP to be issued in mid-2006

NCSP 2006: Issues & Risks

- Fourth IPSAC Meeting was held in Albany on March 23, 2007
- ISOs presented results of analyses in several areas
  - *Fuel diversity: electric/gas infrastructure issues*
  - *Resource adequacy: unit retirements*
  - *Transmission adequacy*
    - PJM Loss-of source study
    - NYISO loss-of-source study
  - *Inter-area oscillations*
  - *Environmental Issues*