Markets & Planning: The NYISO Perspective

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The Value of Planning



"You gotta be careful if you don't know where you're going...

Otherwise you might not get there."

-- Yogi Berra



Overview

- NYISO Market-based Orientation
- Existing Reliability Planning
- Proposed Economic Planning



Market-based Orientation

- NYISO's focus on market-based solutions
- Approach supported by regulators, stakeholders, and market participants

37.52	17.12	+0.75	1.81%
40.86	42.15	+0.13	0.48%
26.07	27.09	+0.46	2.09%
21.71	23.37	-1.26	-5.12%
377.43	391.66	+12.51	3.30%
93.96	95.61	+0.74	0.78%
24.74	25.22	+0.42	1.69%

- Market signals have fostered investment and development
- Market risk / Regulatory risk

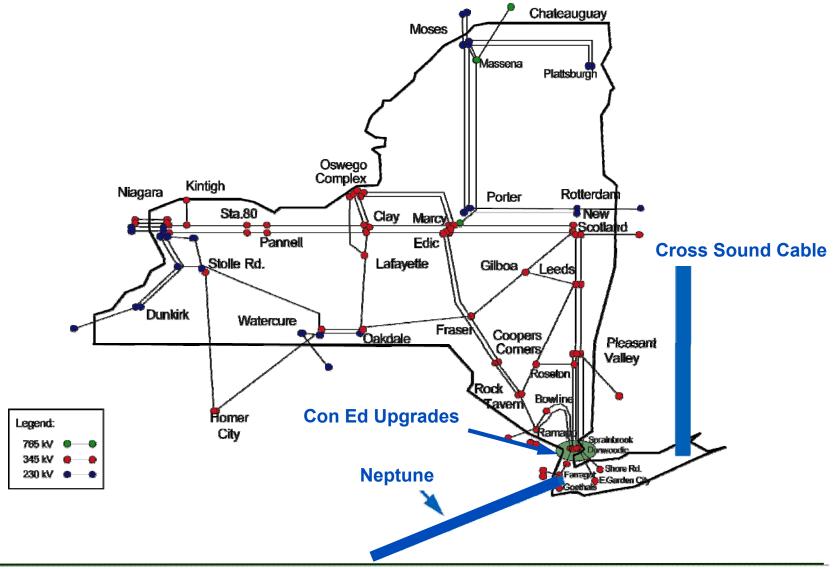


NYISO Market Success

- 6,500+ MW of generation added since 2000
- Nearly 1,000 MW of merchant transmission developed
- Renewable resources expanding
- Generator availability has increased
- Installed Reserve Margin has been reduced
- Demand-side resources growing
- Reliability planning process has produced market-based resources and avoided need for regulated solutions

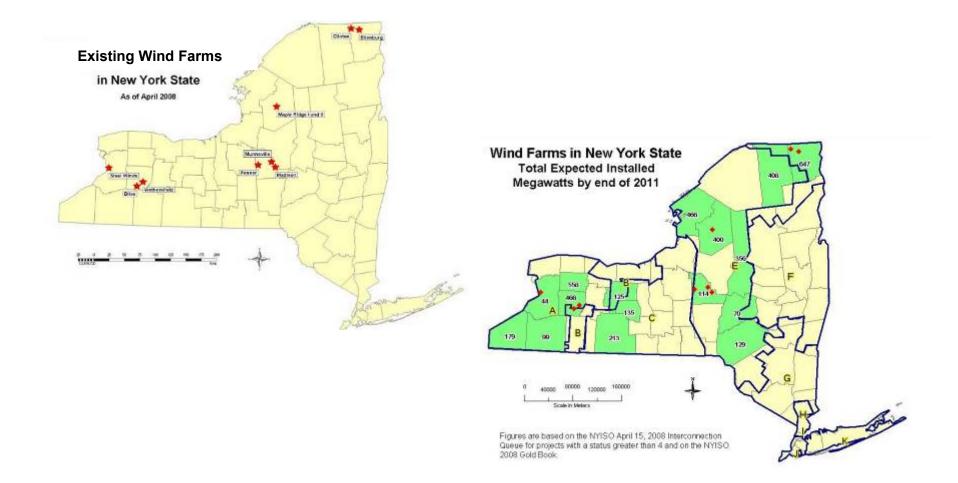


New Transmission





Growing Windpower



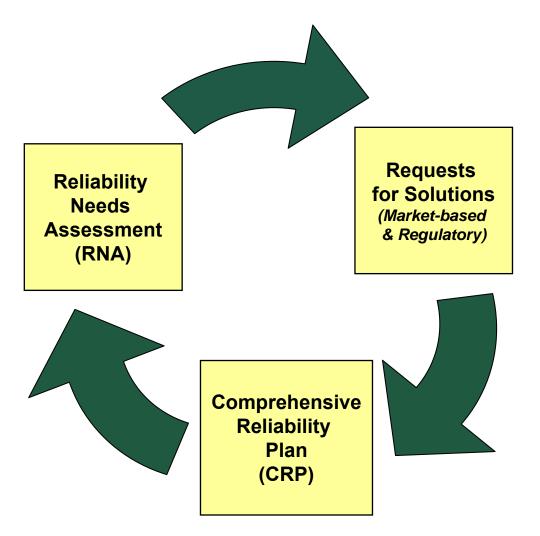


Reliability Planning Process

- NYISO Planning Process is anchored in its market-based orientation
- FERC said:
 - "It [the NYISO planning process] is certainly a substantial improvement over planning processes that have traditionally depended upon TOdeveloped regulated solutions."

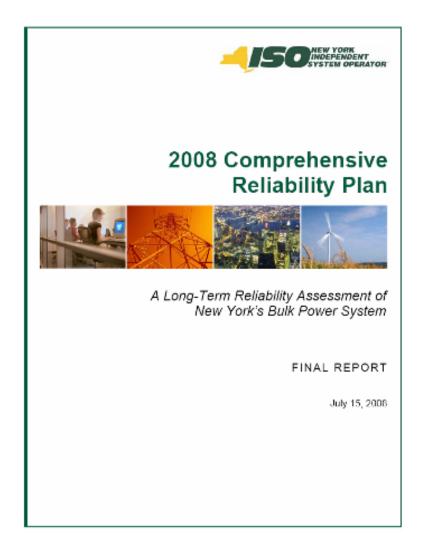


A Multi-staged Process





2008 Reliability Plan





Planning Process Results

- The 2008 CRP is the culmination of the NYISO's third planning cycle. In each cycle, the market has responded with project proposals to meet identified reliability needs.
- Approximately 3,000 MW of marketbased projects, submitted during the NYISO's first two planning process cycles, are moving forward on schedule.



FERC Order 890: NYISO Response

- Congestion Assessment and Resource Integration Study (CARIS)
- Unique feature -- 80% beneficiary voting requirement
- Pending FERC approval, implementation scheduled to begin in the 2009 planning cycle

UNITED STATES OF AMERICA FEDERAL ENERGY REGULATORY COMMISSION
18 CFR Parts 35 and 37
(Docket Nos. RM05-17-000 and RM05-25-000; Order No. 890)
Preventing Undue Discrimination and Preference in Transmission Service
(Issued February 16, 2007)
AGENCY: Federal Energy Regulatory Commission.
ACTION: Final Rule
SUMMARY: The Federal Energy Regulatory Commission is amending the regulations
and the pro forma open access transmission tariff adopted in Order Nos. 888 and 889 to
ensure that transmission services are provided on a basis that is just, reasonable and not
unduly discriminatory or preferential. The final rule is designed to: (1) strengthen the
pro forma open-access transmission tariff, or OATT, to ensure that it achieves its original
purpose of remedying undue discrimination; (2) provide greater specificity to reduce
opportunities for undue discrimination and facilitate the Commission's enforcement; and
(3) increase transparency in the rules applicable to planning and use of the transmission
system.
EFFECTIVE DATE: This rule will become effective [insert date 60 days after
publication in the FEDERAL REGISTER].



CARIS: A Two-Step Process

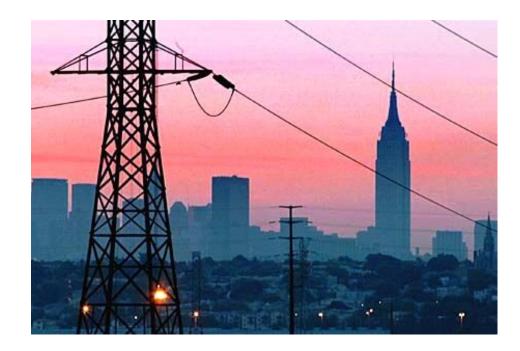
Congestion Study

Review of Specific Proposals



Transmission Assessment

New York Transmission Owners -- State Transmission Assessment and Reliability Study (STARS)





Summary

- NYISO Comprehensive Reliability Planning Process (CRPP) is established and effective
- NYISO is working with stakeholders to implement economic planning process (CARIS)
- NYISO is supporting New York Transmission Owner long-range assessment of transmission infrastructure



Planning for the Future



"It's difficult to make predictions... especially about the future."

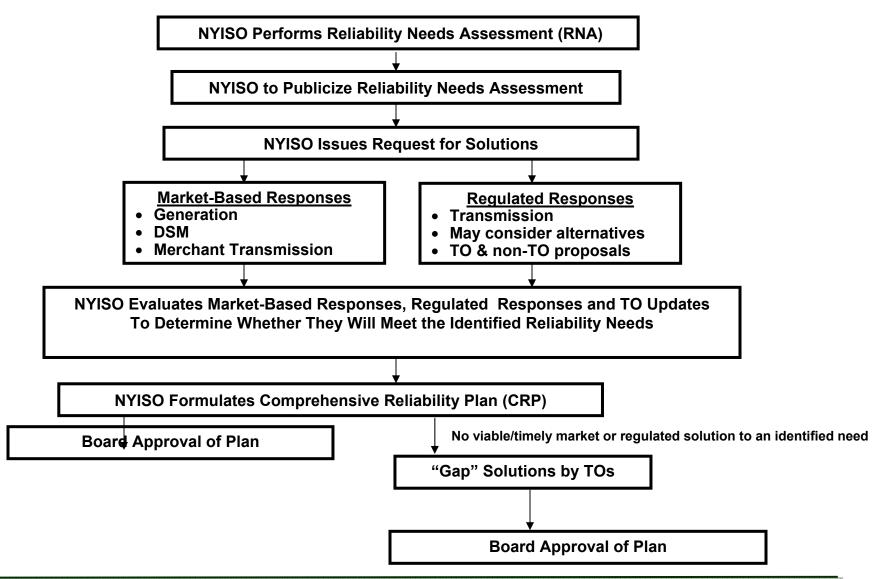
-- Yogi Berra



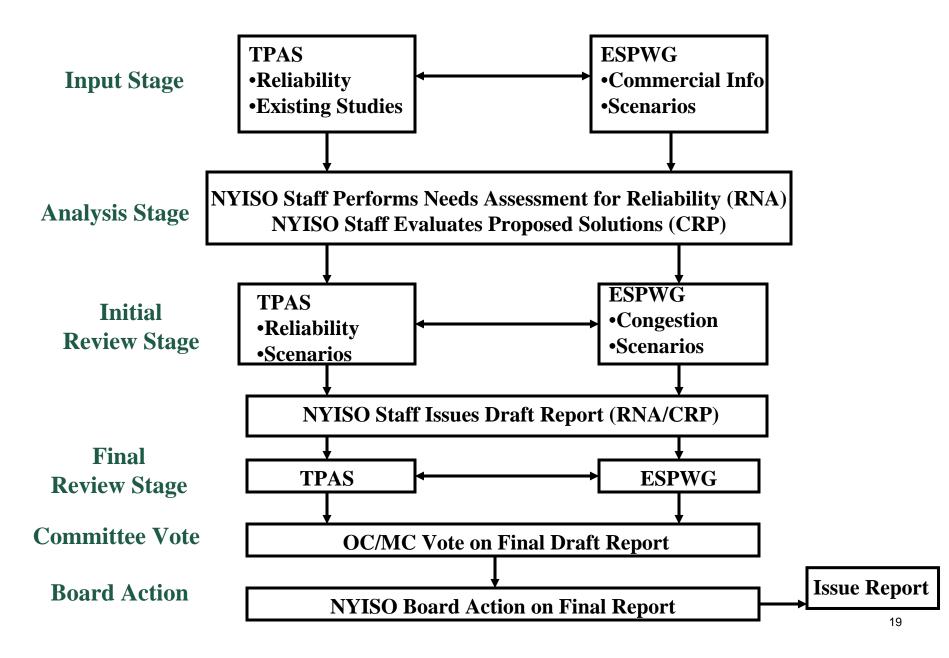
Appendix

- Planning Process Flow Charts
 - Comprehensive Reliability Planning Process
 (CRPP)
 - CRPP Stakeholder Process
 - Proposed Comprehensive System Planning Process (CSPP) Economic Planning Process (CARIS)
 - Proposed Economic Cost Allocation Process (For a Specific Economic Transmission Project)

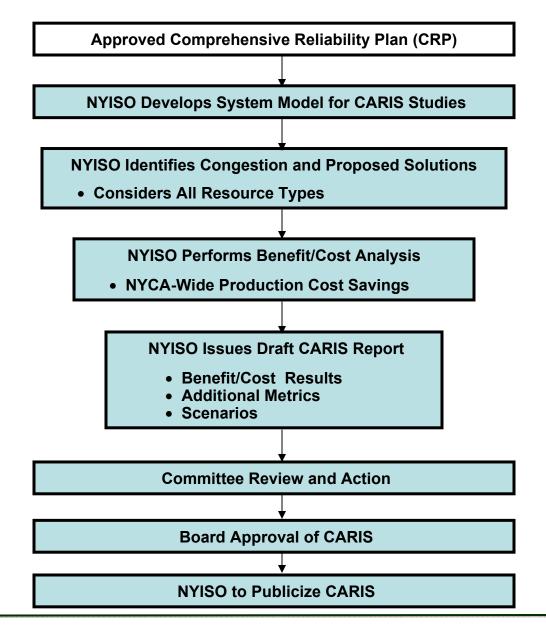
Comprehensive Reliability Planning Process (CRPP)



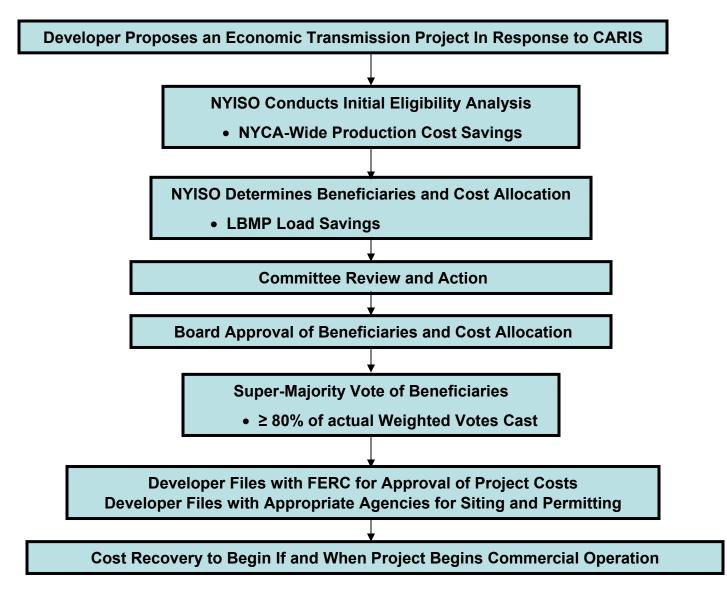
CRPP Stakeholder Participation



Proposed Comprehensive System Planning Process (CSPP) Economic Planning Process (CARIS)



Proposed Economic Cost Allocation Process (For a Specific Economic Transmission Project)





The New York Independent System Operator (NYISO) is a not-forprofit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and conducts comprehensive reliability planning for the state's bulk electricity system.

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