

INITIAL PLANNING PROCESS

Scheduling and Implementation

By
William A. Lamanna

ESPWG
May 26, 2004
Albany, New York

Draft For Discussion Purposes Only

Next Steps: Review Process

- May 15 Draft Phase I Report Completed
- May 21 Draft Phase I Report Issued
- May 26 Review with ESPWG, Focus on Input, Scenarios, and Congestion
- June 8 Review with TPAS, Focus on Existing Reliability Studies, Transmission Assessments, Scenarios

NYISO Initial Planning Process: Historical Trends

- Load Growth Concentrated in SENY Over Last Ten Years
- SENY % of NYCA Load Increased 58% to 64%
- SENY % of NYCA Generation Decreased Slightly
- Increased Dependency on Transmission System to Meet
Resource Adequacy

NYISO Initial Planning Process: Resource Adequacy

- Baseline System is Resource Adequate
- NYC and Long Island Scenario Threats are Greatest
- Indicates Relative Importance of Capacity Additions in NYC and Long Island
- Under Construction Scenario Shows Additional Resources Are Required Over the Ten Year Horizon

NYISO Initial Planning Process: Transmission Assessment

- Four Scenarios
 - High Load Forecast
 - Unit Retirements
 - Redispatch to Generation at 138 kV & Below
 - Redispatch With Fewer New Units
- Voltage Violations, Thermal Overloads and Non Convergence Reported
- MVAR Losses by Zone Reported
- Bulk Power Transformer Flows Reported
- Results Indicative of MVAR Shortages, Especially Upstate
- Fault Levels Exceed Capabilities in Four Zones