

# **INITIAL PLANNING PROCESS**

## **Initial Planning Report**

**By**

**William A. Lamanna**

**ESPWG**

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**Draft For Discussion Purposes Only**

## NYISO Initial Planning Process: Objectives

- Consolidation of existing NYISO reliability-based analysis
- Extension of time period analysis to a 10 year period
- Addition of scenario analysis
- Provide Information to and obtain feedback from Stakeholder Groups
- Setup for Implementation of Comprehensive Planning Process

## 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
- Identified Retirements as a threat

## NYISO Initial Planning Process: Transmission Assessment

- Baseline System Shows Violations in 2013
- Scenarios Show Increased Violations
- Voltage Violations, Thermal Overloads and Non Convergence Reported for Baseline and Scenarios
- MVAR Losses by Zone Reported
- Bulk Power Transformer Flows Reported
- Fault Levels Exceed Capabilities in Four Zones
- MVAR Reserves, Voltage Performance, and Bulk Power Transformer Flows identified as critical in NYISO reliability studies and Comprehensive Plan

## **NYISO Initial Planning Process: Report Review**

- Comments Received on Final Draft
- Discussion of Final Draft Report
- Recommendation for Approval