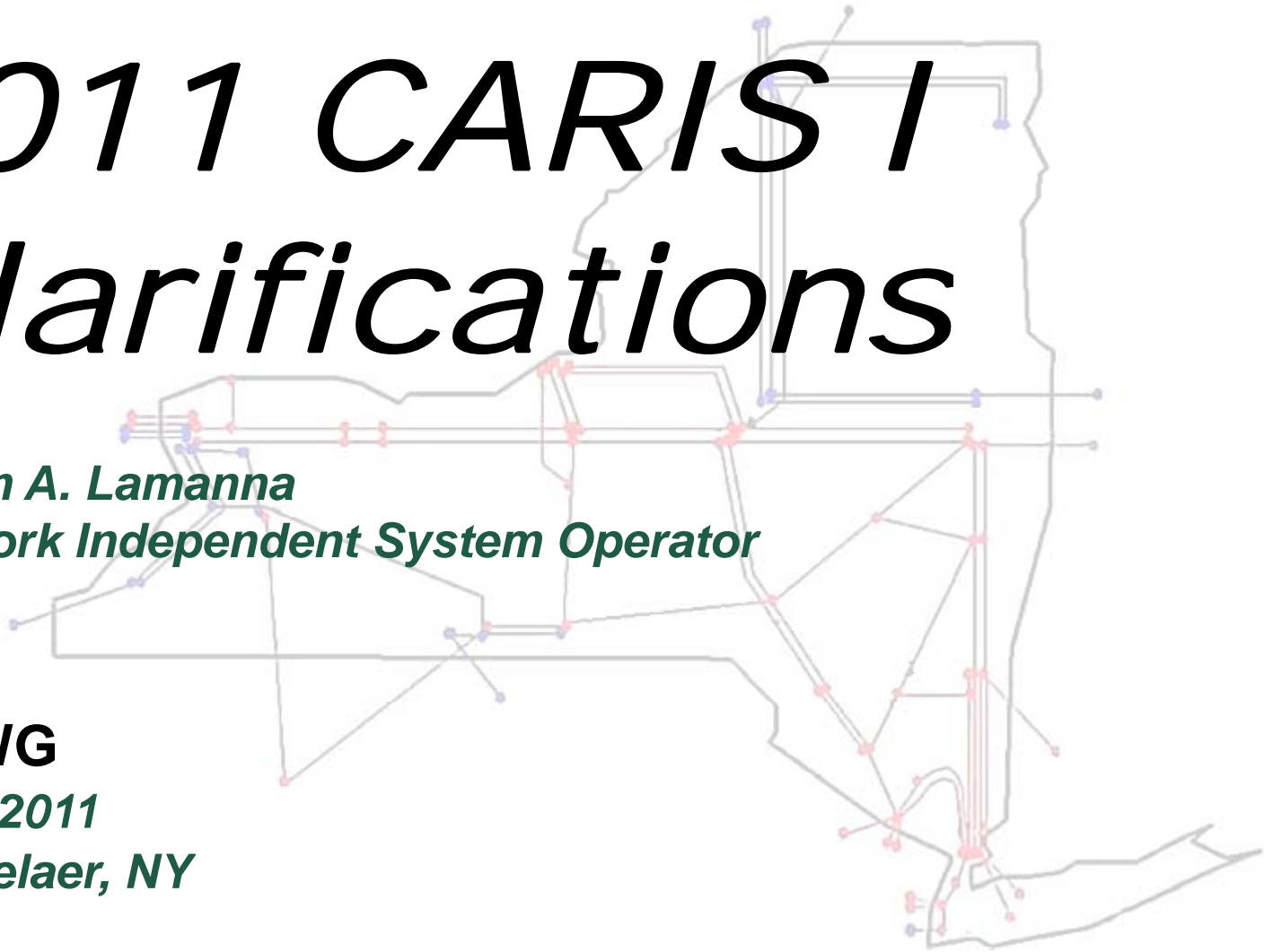


2011 CARIS I Clarifications

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ESPWG
*Jun 8, 2011
Rensselaer, NY*



Additional Modeling Clarifications

- ◆ Central – East Transfer Limits

Central – East Transfer Limit

- ◆ Apply 100 MW operating margin – see attached links for all interfaces
- ◆ http://www.nyiso.com/public/webdocs/market_data/power_grid_info/margin_with_external_trm.pdf

- ◆ Also, from the Transmission Services document:
 - ◆ **7.3.3. Transmission Reliability Margin**
 - ◆ **Transmission Reliability Margin (TRM) is defined as the amount of transmission transfer capability necessary to ensure that the interconnected transmission network is secure under a reasonable range of uncertainties in system conditions.**
 - ◆ **Transmission Reliability Margin provides a reserve transfer capability that ensures the reliability of the interconnected transmission network under a broad range of potential system conditions. Transmission Reliability Margin accounts for the inherent uncertainty in system conditions and their associated affects on TTC and ATC calculations, and the need for operating flexibility to ensure reliable system operation as system conditions change.**
 - ◆ **The TRM may be applied to the ATC calculation to address unanticipated system conditions such as normal operating margin, parallel flows, load forecast uncertainty and other external system conditions. The TRM may be used to insure the transmission system is not over scheduled thus causing or aggravating real time operational problems.**

Central – East Transfer Limit

- ◆ **Statistical Comparison of Day Ahead Central East VC and MAPS limit**

	CEVC Limit - Variation	MAPS CE
Avg	2,306	
Median	2,340	
Std Dev	263.35	
Avg when Limiting	2,192	2,108

- ◆ **MAPS limit is close to SCUC limits over the year and has given reasonable results on zonal generation**

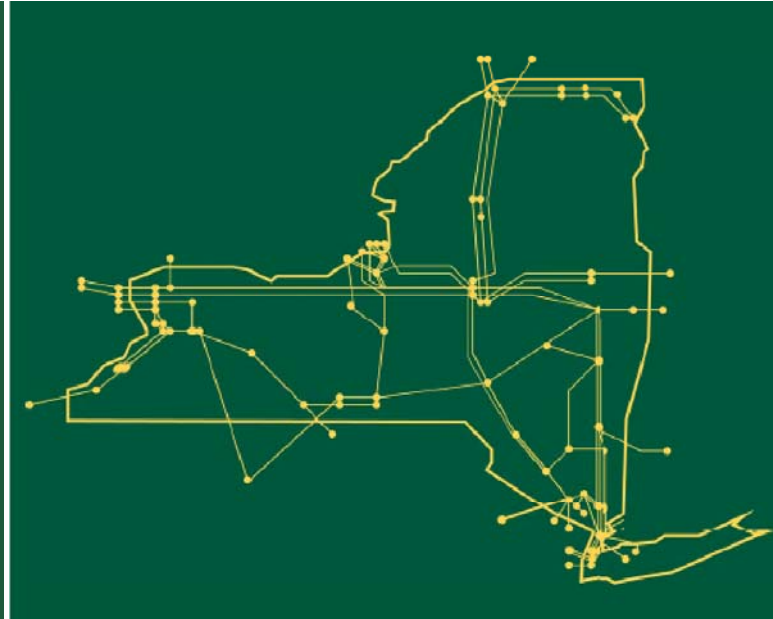
Transmission Project Update

- ◆ **Hudson Transmission Project Included**
- ◆ **Other TO bulk power projects not included**
- ◆ **Inclusion rules and processing**

Inclusion Rules for TO Bulk System Projects Per CRPP Manual

- ◆ **Bulk Power System projects that are:**
 - Previously triggered RBS, or
 - Related to projects/plans included in base case or
 - Expected in service in 3 years AND approved SRIS (SIS) AND received regulatory approvals

The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



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