





NYISO S&P Working Group--Business Issues Committee Status Report – September 2004

Operations Reactive Studies

- 2004 Updated TB #91 and #103 VSS test report forms to improve ease of reporting cross-compound or combined cycle generators
- Completed Phase 1 load power factor assessment (draft report to SOAS)
- Developed issues and discussion for Voltage Support Ancillary Service consideration





VSS Testing Review

- Operations Engineering was assigned the lead role in the review of the annual testing
 - Work with Market Services to follow up deficiencies in testing
 - Provide Confirmation to Grid Accounting
- Reviews of Operating issues
 - Response to NYISO requests
 - Real-time voltage support issues





VSS Testing Review

	Suppliers	Gross MVAr Capability
2001	242	12418
2002	254	13902
2003	275	14975



VSS Issues for Consideration

- Clarification of Testing Requirements
- Six-year Test Requirement
- Reactive Capability
- Gross vs. Net Capability
- Compensation Rate
- Compensation for non-generator resources
- Interconnection Requirements
- Compensation for FACTS-type devices
- Two-tier voltage support service





Address immediately

- Clarification of Testing Requirements
 - Monitor VSS test reports, comments from MPs
 - Update test report form and TBs
- Six-year test requirement
 - Continue Waiver of 6-year test requirement
 - Monitor NERC Standards process and Blackout Recommendations
 - Propose new comprehensive testing requirement when NERC develops new standard and compliance template





Near-term Issues

- Reactive capability range of control
 - Consider lagging and leading capability
- Gross vs. Net Reactive capability
 - Net capability is a better indication of the contribution to the system and consistent with ICAP and metering
- Compensation rate
 - Annual review of rate should consider any changes in the accounting method or service considerations





Longer Term Issues

- Compensation for non-generator resources
 - Synchronous Condensers work with owners and other interested stakeholders to develop a proposal for compensation
- Interconnection requirements
- FACTS devices
- Two-tier voltage support





Staff Proposal to address Near-term

- 1. Reactive power metered as <u>net</u> MVAr (consistent with MW metering for ICAP DMNC and energy)
- 2. Capability basis for compensation be the full demonstrated range – lagging and leading net MVAr capability as determined by actual test
- 3. All generators participating will be required to test lagging MVAr capability during Summer Capability Period
- 4. Compensation rate be adjusted to reflect the new basis for compensation (net) and range of control (lag & lead)
- 5. Application of the adjusted compensation rate for the 2005 payment cycle



Compensation Rate for 2005

- Recalculation of current (2004) rate of \$3919 with due consideration of:
 - Account for change in metering from Gross to <u>Net</u> MVAr
 - Account for change in capability to include both net lagging and net leading capability
 - Will maintain suppliers "revenue neutral" assuming leading capability is proportional to lagging capability



