



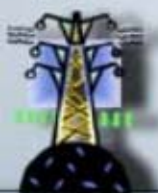
Operations Reactive Studies



*Status Report to
NYISO Market Structures Working Group
May 2002*

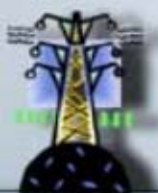
Work in progress

- Detailed workplan development
 - *Near-term system analysis tasks*
 - *Develop issues for longer-term tasks*
- Audit of VSS compliance
- Procedures development
 - *Real-time support and response*
 - Requesting voltage support
 - Review of system event
 - *Capability testing*
 - Review Technical Bulletin



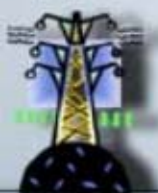
Review of VSS supplier data

- Verify current test data on file
- Random validation of latest test results
- List of “out of time” test data to Market Services for follow-up
 - *214 of 329 units reviewed*
- Others results
 - *63 units not listed or not tested*
 - *5 claim NOT VSS providers*
 - *12 claim NO AVR*



System Analysis Objectives

- “Cross-over” to long-term issues
- Goal – to identify a method for determining end use reactive requirements
 - *Define adequacy in context of system need*
- Summarize TOs design requirements
 - *Load compensation criteria*
 - *Peak load sensitivity vs. reactive demand*
- Propose an ISO reactive demand compensation design requirement



Long-term VSS restructuring issues

- Should all generators be required to provide test data regardless of VSS status
- Should VSS compensation be based on performance rather than capability?
- Should VSS compensation be based on full range of capability?
 - *Leading and lagging*
 - *Recognize light load/high voltage scenario*
- Locational Reactive VSS design?

