

Real-Time Mitigation: Phase II Energy Products - Product Area

PPT – February 13, 2006

Presentation Outline

- ◆ Deliverable Summary
- ◆ Value Proposition
- ◆ Benefits
 - *Customer benefits*
 - *Business benefits*
- ◆ Estimated Cost / Timeline

Deliverable Summary

- ◆ Define Thunderstorm Alerts (TSA events) as an active binding RTC constraint and perform appropriate conduct and LBMP impact mitigation tests.
- ◆ Develop the appropriate conduct testing for units committed via SRE or OOM. These tests would only apply to units in the defined Constrained Area (NYC) during periods when there are no active RTC constraints.
- ◆ Apply the appropriate bid mitigation based on LBMP impact.
- ◆ Update Mitigation Details tool used by MMP for tracking and analyzing mitigation processes.

Value Proposition

- ◆ **Tariff Compliance:**
 - *NYISO tariff requires that units located in the defined Constrained Area (NYC) be evaluated for conduct and impact during constrained periods (including TSAs) at Load Pocket Thresholds.*
 - *Units committed via SRE or OOM are evaluated at Load Pocket Thresholds for conduct but at unconstrained impact thresholds when there are no constrained load pockets.*

Benefits

- ◆ Customer
 - *NYISO will be able to programmatically identify and recalculate prices and substitute reference bids using the Automated Mitigation Procedures whenever conduct and impact failing bids are identified.*
 - *These actions will mitigate the cost to loads during TSA events and during periods that units are committed via SRE or OOM if conduct and impact thresholds are exceeded.*
- ◆ Business
 - *Improved MMP analysis through providing additional capabilities in the mitigation details application.*
 - *Ensure tariff compliance.*

Estimated cost / timeline

- ◆ Phased delivery –
 - *TSA mitigation – May '06*
 - *SRE/OOM – September '06*
- ◆ Estimated Cost –

NYISO	\$300,000
Consultancy (ABB)	\$150,000