ISO Congestion Mitigation Using the 1385 Cable

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NYISO Business Issues Committee

Rick Gonzales

ISO Market Operations

Status of Scheduling on 1385 Cable

- **Current:** 1385 flow is zero unless Emergency Energy needed

- **End-State:** Objective is a separate External Node for 1385 cable allowing scheduling of Market Participant transactions

- **Interim Solution:** ISOs will control flow on 1385 in Real-Time to mitigate congestion in one ISO, so long as the 1385 flow does not incur congestion or reliability concerns in the other ISO

Why an Interim 1385 Solution?

- **Replacement funding for 1385 cable is uncertain**

  - ✓ NU has committed to funding replacement of cable

  - ✓ LIPA Board is still evaluating support of replacement

- **Interim solution will support LIPA and improve ISO Operation**

  - ✓ Shows more efficient use and value of 1385 cable

  - ✓ Shows commitment of ISOs to reaching End-State objective

  - ✓ Improves utilization of NY-NE interconnections for mitigation of internal ISO congestion

  - ✓ Similar actions have historically been taken for IMO and PJM PAR controlled interconnections to mitigate internal ISO constraints

1385 Flow Under Interim Solution

- **1385 flow may not be requested or scheduled by Participants**

- **1385 flow only allowed under defined system conditions**

- **Net Interchange over NYISO/ISO-NE interface will not be affected**

  - ✓ 1385 flow will be determined after the NYISO/ISO-NE schedules are determined by the markets as normally done

  - ✓ NY-NE AC individual tie flow will be redistributed based on adjustments in 1385 flow

Conditions permitting 1385 Flow

- **Potential flow on 1385 when all the following exist:**

  - ✓ Constraints exist in the 'receiving' Control Area that could be alleviated via flow on 1385

  - ✓ No active constraints in the 'sending' Control Area that are affected by flow on the 1385

  - ✓ Adjusting flow on the 1385 will not create a new constraint in the 'sending' Control Area

  - ✓ Adjusting flow on the 1385 will not violate sub-area reliability criteria (voltage/stability)

Interruption of Flow

- If 'sending' area incurs a binding constraint within the operating hour, the 1385 flow will be reduced or adjusted to zero if such 1385 adjustment relieves the 'sending' area constraint

Schedule for Implementation

- **Joint Operating Agreement between NYISO and ISO-NE under final review**

- **Operations Protocols are under final review**

- **Implementation expected early 2004**