

Hydro Quebec - NYISO 765kV Interconnection

Proposed Operation for Transfers above 1500MW

Scheduling & Pricing WG
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Energy Market Operations

HQ 765kV Interconnection Operation

- Current Interconnection Operation
- Proposed Interconnection Operation
- Timeline / Operational Impacts

HQ 765kV Interconnection Operation

➤ **Current Operation**

- *Total Transfer Capability (TTC) is limited to 1500MW South to NYISO, 1000MW North to HQTE*
- *1500MW limit based on impact to NYISO voltage/reactive performance as observed in Real-Time operation*
- *Prior ISO Operating Studies have verified the reduction of NYISO Central-East interface transfer capability for levels of HQ interconnection operation above 1500MW limit*

HQ 765kV Interconnection Operation

➤ Proposed Operation

- *Allow transfers above 1500MW (up to 1800MW limit) for Real-Time Market (RTM) operation when system conditions permit*
- *RTM Interconnection limit will be based on actual and forecast ISO voltage/reactive performance as observed in operating day*
- *In addition, the RTM Interconnection limit will be based on the status of critical generation and transmission facilities, as well as defined system operating conditions (eg. severe weather operation, thunderstorm alert operation)*
- *Day-Ahead Market (DAM) Interconnection limit will remain at 1500MW limit*

HQ 765kV Interconnection Operation

- Timeline / Operational Impacts
 - ***Operating Procedures will require the implementation of automated monitoring and alarming associated with area voltage/reactive conditions, critical facility statuses, and defined special operating conditions***
 - ***Additional Operating Studies need to be performed to verify sensitivity of HQ Imports to ISO voltage/reactive conditions as well as to critical facility outage conditions***
 - ***Implementation of proposed RTM operation expected for Summer 2006 Capability period, subject to completion of Operating Studies and automated monitoring capabilities***
 - ***The increased HQ Interconnection limit will allow increased scheduling of HQTE wheel-through transactions to PJM, ISONE, and IESO but does not increase the 1200MW limit for imports to the NYCA based on the NYCA reserve requirement***