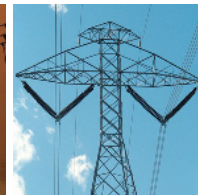




5 Minute Transaction Scheduling

Increased Flexibility from Neighboring Regions

NYISO BPWG May 28, 2020



5 Minute Transaction Scheduling

Benefits for NY

- Access to fast-response imports/exports with NY neighbors (incl. HQ)
- Allows much needed ramping/balancing with wind/solar integration
- Identified by NYISO as a pre-requisite for Operating Reserve supply
- Could facilitate provision of other ancillary services
- Aligns with Grid in transition December 2019 Whitepaper :
 - p.47 : *“Improved scheduling and optimization of NYISO’s inerties will become increasingly important as the need for fast-responding supply resources grows.”*
- Recent MIT study found potentially significant savings while using HQ as a battery to complement NY wind and solar : <http://ceep.mit.edu/files/papers/2020-003-Brief.pdf>

5 Minute Transaction Scheduling *Request for Continued Prioritization*

- Was prioritized for 2020 deliverable “Study Complete”
- Next step for 2021 deliverable is “Market Design Complete”
- HQ TransÉnergie is contemplating options for replacing the 2 Châteauguay Converters (currently, “2 x 500 MW”) :
 - An Increased Flexibility Option is “2 x 750 MW” converters while maintaining the total HQ-NY capacity at 1,500 MW
 - Investment decision on converters technology by HQ Production required later this year
 - Evolution at NYISO of the 5 Minute Transaction Scheduling project will be an input in the choice of options
- **HQUS is requesting stakeholders support again for 2021 to finalize design of this important project**