Conclusions from NYISO's Presentation on HQ Sales to ISONE Wheeled Through NYISO

Installed Capacity Subcommittee - September 5, 2018

Mark Younger
Hudson Energy Economics, LLC

HQ's FCM Sales Through NYISO to ISO-NE

| | | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May |
|---------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FCA #5 | 2014-2015 | 291 | 291 | 291 | 291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FCA #6 | 2015-2016 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 |
| FCA #7 | 2016-2017 | 422 | 422 | 422 | 422 | 422 | 422 | 422 | 422 | 422 | 422 | 422 | 422 |
| FCA #8 | 2017-2018 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 |
| FCA #9 | 2018-2019 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FCA #10 | 2019-2020 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FCA #11 | 2020-2021 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| FCA #12 | 2021-2022 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |

Can NYISO Access the HQ Obligation to ISO-NE to Meet an LOLE Event

- NYISO Can only cut the HQ deliveries to ISO-NE if there is a Transmission Limit Violation aggravated by the wheel.
- Likely Transmission Limit Violations aggravated by the Wheel are likely to be on Central East or UPNY/SENY
 - Cutting the wheel to address those violations does not free up the HQ energy to meet an LOLE event in Southeast NY because doing so would again cause a Transmisson Limit Violation
- If there is not a Transmission Limit Violation the NYISO cannot cut the wheel to meet an LOLE event

Implication of NYISO Rights to Cut the Transaction

- The proposed base case relies upon using the HQ interface to deliver emergency energy that has already been obligated to ISO-NE
- The NYISO cannot access this part of the HQ interface under conditions where the energy would help meet an LOLE event in New York
- HQ has a long history of wheeling capacity through NYISO to ISO-NE and the NYISO reported that they do not buy out of their obligation

Guidance from Policy V

- In developing the current version of Policy V we identified proposed treatment for exports of capacity from internal resources.
- The IRM is modeling emergency support from HQ that we are highly unlikely to ever receive because it is already obligated to ISO-NE.
- Policy V states that: "The primary consideration for developing the final load and capacity models for the external Control Areas is to avoid overdependence on the external Control Areas for emergency capacity support."
- It is hard to pick a more extreme example of overdependence on external control areas than **relying on support you will not get**.