

Metering Data Management

BAWG Presentation

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Meter Data Management

- Timing of Data Submission
- “Reasonableness” Checks
- Timing of Market Participant Challenges
- How to Properly Submit a Challenge

Timing Of Data Submission

- All trade data from January 2007 forward is subject to following the *Hourly Tie-line, Generator, and LSE Bus Meter Data Review, Revision, and Lock-down Schedule*.
- The *Meter Data Management Protocols* specify when data is due to the NYISO, when notices are sent to the Market Participants from the NYISO, when data can be challenged and includes the requirements for such challenges.
- The Hourly Tie-Line, Generator, and LSE Bus Meter Data Review, Revision and Lock-down Schedule and the Meter Data Management Protocols can be found at:
http://www.nyiso.com/public/services/financial_services/billing/processing_invoice_schedules.jsp

Timing Of Data Submission - Initial Month

Locking/Unlocking Database

- TSA locks and unlocks dates during the current month based upon the Daily Lock-down Schedule for that month. This schedule is distributed to the Meter Authorities at the end of each business day.
- Based on the Daily Lock-down Schedule, each billing day is locked at noon on the next business day for the daily advisory and subsequently unlocked for updates two business days after it was locked for the daily advisory.
- Each time a day is unlocked and subsequently re-locked, the Negative Sub-Zonal Load Analysis and Anomaly Reports are generated to ensure that Meter Authority data submitted did not cause a negative sub-zonal load condition or an anomalous data condition.
- If a Meter Authority needs to have a date unlocked outside of the Daily Lock-Down Schedule, they coordinate with TSA to have the database unlocked for their updates via an email sent to TSA@nyiso.com.

Daily Lock-down Schedule - Initial Month - April 2008							
Billing Day	Lock-down for Daily Advisory		Unlock For Updates		Re-Lock After Updates		
4/1/2008	T	4/2/08 12:00	W	4/4/08 8:00	F	4/4/08 16:00	F
4/2/2008	W	4/3/08 12:00	TH	4/7/08 8:00	M	4/7/08 16:00	M
4/3/2008	TH	4/4/08 12:00	F	4/7/08 8:00	M	4/7/08 16:00	M
4/4/2008	F	4/7/08 12:00	M	4/9/08 8:00	W	4/9/08 16:00	W
4/5/2008	S	4/7/08 12:00	M	4/9/08 8:00	W	4/9/08 16:00	W
4/6/2008	S	4/7/08 12:00	M	4/9/08 8:00	W	4/9/08 16:00	W
4/7/2008	M	4/8/08 12:00	T	4/10/08 8:00	TH	4/10/08 16:00	TH
4/8/2008	T	4/9/08 12:00	W	4/11/08 8:00	F	4/11/08 16:00	F
4/9/2008	W	4/10/08 12:00	TH	4/14/08 8:00	M	4/14/08 16:00	M
4/10/2008	TH	4/11/08 12:00	F	4/14/08 8:00	M	4/14/08 16:00	M
4/11/2008	F	4/14/08 12:00	M	4/16/08 8:00	W	4/16/08 16:00	W
4/12/2008	S	4/14/08 12:00	M	4/16/08 8:00	W	4/16/08 16:00	W
4/13/2008	S	4/14/08 12:00	M	4/16/08 8:00	W	4/16/08 16:00	W
4/14/2008	M	4/15/08 12:00	T	4/17/08 8:00	TH	4/17/08 16:00	TH
4/15/2008	T	4/16/08 12:00	W	4/18/08 8:00	F	4/18/08 16:00	F
4/16/2008	W	4/17/08 12:00	TH	4/21/08 8:00	M	4/21/08 16:00	M
4/17/2008	TH	4/18/08 12:00	F	4/21/08 8:00	M	4/21/08 16:00	M
4/18/2008	F	4/21/08 12:00	M	4/23/08 8:00	W	4/23/08 16:00	W
4/19/2008	S	4/21/08 12:00	M	4/23/08 8:00	W	4/23/08 16:00	W
4/20/2008	S	4/21/08 12:00	M	4/23/08 8:00	W	4/23/08 16:00	W
4/21/2008	M	4/22/08 12:00	T	4/24/08 8:00	TH	4/24/08 16:00	TH
4/22/2008	T	4/23/08 12:00	W	4/25/08 8:00	F	4/25/08 16:00	F
4/23/2008	W	4/24/08 12:00	TH	4/28/08 8:00	M	4/28/08 16:00	M
4/24/2008	TH	4/25/08 12:00	F	4/28/08 8:00	M	4/28/08 16:00	M
4/25/2008	F	4/28/08 12:00	M	4/30/08 8:00	W	4/30/08 16:00	W
4/26/2008	S	4/28/08 12:00	M	4/30/08 8:00	W	4/30/08 16:00	W
4/27/2008	S	4/28/08 12:00	M	4/30/08 8:00	W	4/30/08 16:00	W
4/28/2008	M	4/29/08 12:00	T	5/1/08 8:00	TH	5/1/08 16:00	TH
4/29/2008	T	4/30/08 12:00	W	5/2/08 8:00	F	5/2/08 16:00	F
4/30/2008	W	5/1/08 12:00	TH	5/5/08 8:00	M	5/5/08 16:00	M

“Reasonableness” Checks

Negative Subzonal Load Analysis

- Each business day at noon, the prior day’s data is locked down and TSA performs the Negative Load Analysis – which is a report of the sub-zonal load for all 23 sub-zones for the prior day.
- The data is analyzed to determine whether the Meter Authority submitted data submitted has created a negative sub-zonal load condition.
- If a negative sub-zonal load condition exists, TSA coordinates with the Meter Authority responsible for the submission of the data which caused the negative sub-zonal load.
- Revised data must be submitted to correct the negative sub-zonal load condition prior to the processing of the daily advisory.

“Reasonableness” Checks

Anomalies

- Each business day at noon, the prior day’s data is locked down and TSA creates and distributes Anomaly Reports to each respective Meter Authority. If no anomalies exist, then no report is distributed.
- These anomaly reports compare the Meter Authority submitted hourly metered megawatt data to the NYISO’s PTS data (rolled up to the hourly level).
- When anomalies are distributed to the Meter Authorities, the NYISO requests that the Meter Authority review, reconcile, and submit corrected data for all anomalies contained therein.
- These reports are provided by the NYISO to support the Meter Authorities in their data review and validation processes. Meter Authorities continue to be responsible for ensuring the accuracy of all meter data submitted.

<u>Meter Authority Value</u>	<u>PTS Value</u>	<u>Flag as Anomaly?</u>
0 or Greater	0 or Greater	If difference is 10% or greater
NULL	NULL	No
0	>0	Yes
NULL	>0	No
>0	0	Yes
>0	NULL	Yes

“Reasonableness” Checks

Negative Sub-zonal Load Analysis and Anomaly reports are run every time a date is unlocked. This includes:

- During the initial month (Advisory, After Lock-down and Out of Schedule)
- Following the tie-line and generator data being locked and subject only to written challenge (After Invoice)
- Following any data changed for a written challenge (After Written Challenge)

Timing Of Data Submission – Following Initial Invoice

- Meter Authorities can update tie-line and generator hourly meter data up until the data is locked for processing for the initial invoice. Following the issuance of a month's initial invoice, the NYISO database remains locked until the first business day following the 19th of the month, at which time the database is unlocked for updates and will remain unlocked until the beginning of the written challenge period – approximately a three-week period of time.
- Twenty-two (22) days following the unlock for updates, the NYISO sends an email notice to the Metering Task Force and Customer Settlements List Servers notifying the market that the written challenge period for generator and tie-line data has begun. Meter Data Challenges must be submitted via email to the NYISO Customer Relations Department at: Market_Services@nyiso.com. *Meter data challenges must be supported with metered point names (i.e., tie-line and generator names), five or six-digit point identifiers (PTID), date(s) and hour(s) affected, challenged meter value, requested value, and whether there is a counter-party impact and if so, the counter-party name. Requests not sufficiently supported as described above will be rejected.*
- Written challenges for tie-line and generator hourly meter data are limited to the 55-day period following the issuance of a month's initial invoice and updates are precluded beyond day-60.
- There are no updates to tie-line and generator hourly meter data beyond day-60.¹

¹ Open Access Transmission Tariff §7.2.A.2a and Market Services Tariff §7.4.2.A

Timing Of Data Submission – Settlement Adjustment Months

- LSE Bus Metering Data for the 4-month true-up is due to the NYISO by day-70 following the issuance of a month's initial invoice. The LSE Bus Metering Data for the 4-month true up can be revised between day-70 and day-90, but must be submitted in full by day-90.
- LSEs can challenge the accuracy of their LSE bus meter data between day-90 and day-145. This time period includes the TOL data submitted for both the 4-month and 6-month true-ups. LSE bus meter data challenges must be submitted via email to the NYISO Customer Relations Department at: Market_Services@nyiso.com. *LSE bus meter data challenges must be supported with metered point names (i.e., tie-line and generator names), five or six-digit point identifiers (PTID), date(s) and hour(s) affected, challenged meter value, requested value, and whether there is a counter-party impact and if so, the counter-party name. Requests not sufficiently supported as described above will be rejected.*
- LSE bus meter data challenges can be submitted through day-145, however TOL updates will be precluded after day-150.
- There is a one month period from the issuance of the 6-month settlement adjustment during which only *SETTLEMENT DATA* can be challenged.

Questions?