June 2007 Tie-line & Generator Hourly Meter Data Management Report

Tie-line Hourly Meter Data Revision Summary

Summary of Changes Between Issuance of Initial Invoice & 1st Opportunity to Correct/Update

The following is a summary of the hourly tie-line meter data changes that were observed during the period between June 2007's initial invoicing (July 9, 2007) and when the database was locked down to afford counter-party Meter Authorities the opportunity to analyze & challenge the data submitted by the tie-lines' Meter Authorities (August 13, 2007).

- A total of 10,512 MWh of tie-line data changes, affecting 44 tie-lines, were received from Transmission Owners during this period.
- The affected tie-lines span five Meter Authorities, with the distribution of changes as follows:
  - Meter Authority A: One tie-line ⇒ 117 MWh (1%) of the 10,512 MWh of changes;
  - Meter Authority B: One tie-line ⇒ 134 MWh (1.3%) of the 10,512 MWh of changes;
  - Meter Authority C: Three tie-lines ⇒ 49 MWh (0.5%) of the 10,512 MWh of changes;
  - Meter Authority D: Twenty-Six tie-lines ⇒ 9,867 MWh (93.9%) of the 10,512 MWh of changes;
  - Meter Authority E: Thirteen tie-lines ⇒ 345 MWh (3.3%) of the 10,512 MWh of changes.
- Hourly Analysis:
  - All hours of the month experienced at least an 8.56 MWh change in tie-line data.
  - The largest single hourly change was 136 MWh on June 6 at 8:00.
  - The average hourly change was 14.6 MWh.
  - The median hourly change was 14 MWh, with a standard deviation of 7.9 MWh.
- Tie-line Specific Analysis:
  - The median change for the affected tie-lines for the month was 17 MWh, with a standard deviation of 786 MWh. To put this into perspective:
    - Three of the forty-four tie-lines accounted for 8,675 MWh of the 10,512 MWh of changes [Tie X = 3,940 MWh; Tie Y = 3,332 MWh; & Tie Z = 1,403 MWh];
    - Five tie-lines changed between 117 MWh and 616 MWh, accounting for a total of 1,196 MWh of the 10,512 MWh of changes for the month;
    - Seventeen tie-lines changed between 13 MWh and 81 MWh, accounting for a total of 582 MWh of the 10,512 MWh of changes for the month; and
    - The remaining nineteen tie-lines changed between 0.012 MWh and 9 MWh, accounting for the remaining 59 MWh of the 10,512 MWh of changes for the month.

Summary of Challenges Between Post Invoice Updates & Expiration of 55-Day Period

The following is a summary of the volume of changes from challenges of hourly tie-line meter data submitted by counter-party Meter Authorities during the period between when the database was locked down (August 13, 2007), as stated above, to afford counter-party Meter Authorities the opportunity to analyze and challenge the data, through the end of the 55-day review and correction period for tie-line and generator hourly meter data, allowable through Open Access Transmission Tariff 7.2.A.2a.iv & Market Administration and Control Area Services Tariff 7.4.2.A.iv (September 4, 2007).

Process Observations, Issues, and Opportunities for Improvement

For Discussion Purposes Only

June 2007 Tie-line & Generator Hourly Meter Data Management Report

Generator Hourly Meter Data Revision Summary

Summary of Changes Between Issuance of Initial Invoice & 1st Opportunity to Correct/Update

The following is a summary of the generator hourly meter data changes that were observed during the period between June 2007's initial invoicing (July 9, 2007) and when the database was locked down to afford generators the opportunity to analyze & challenge the data submitted by their respective Meter Authorities (August 13, 2007).

- A total of 7,655 MWh of generator data changes, affecting 58 generators, were received from Meter Authorities during this period.
- The affected generators span seven Meter Authorities, with the distribution of changes as follows:
  - Meter Authority B: Three generators ⇒ 79 MWh (1%) of the 7,655 MWh of changes;
  - Meter Authority C: One generators ⇒ 1,217 MWh (15.9%) of the 7,655 MWh of changes;
  - Meter Authority D: Forty-Seven generators ⇒ 157 MWh (2.1%) of the 7,655 MWh of changes;
  - Meter Authority E: Four generators ⇒ 858 MWh (11.2%) of the 7,655 MWh of changes;
  - Meter Authority F: One generators ⇒ 26 MWh (0.3%) of the 7,655 MWh of changes;
  - Meter Authority G: One generators ⇒ 5,155 MWh (67.3%) of the 7,655 MWh of changes;
  - Meter Authority H: One generator ⇒ 163 MWh (2.2%) of the 7,655 MWh of changes.
- Hourly Analysis:
  - All hours of the month experienced at least a 2.857 MWh change in generator data.
  - The largest single hourly change was 120.166 MWh on June 1 at 7:00.
  - The average hourly change was 10.632 MWh.
  - The median hourly change was 7.273 MWh, with a standard deviation of 9.621 MWh.
- Generator-Specific Analysis:
  - The median change for the affected generators for the month was 49.6 MWh, with a standard deviation of 198 MWh. To put this into perspective:
    - Three of the fifty-eight generators accounted for 2,341 MWh of the 7,655 MWh of changes [Gen L = 901 MWh; Gen M = 858 MWh; & Gen N = 582 MWh];
    - Sixteen generators changed between 113 MWh and 452 MWh, accounting for a total of 4,269 MWh of the 7,655 MWh of changes for the month;
    - Twenty generators changed between 10.22 MWh and 90.3 MWh, accounting for a total of 1,001 MWh of the 7,655 MWh of changes for the month; and
    - The remaining nineteen generators changed between 0.009 MWh and 8.8 MWh, accounting for the remaining 44 MWh of the 7,655 MWh of changes for the month.

Summary of Challenges Between Post Invoice Updates & Expiration of 55-Day Period

The following is a summary of the volume of changes from challenges of generator hourly meter data submitted by generators during the period between when the database was locked down (August 13, 2007), as stated above, to afford generators the opportunity to analyze and challenge the data, through the end of the 55-day review and correction period for tie-line and generator hourly meter data, allowable through Open Access Transmission Tariff 7.2.A.2a.iv & Market Administration and Control Area Services Tariff 7.4.2.A.iv (September 4, 2007).

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Process Observations, Issues, and Opportunities for Improvement