

Columns in Meter Stats Tables

1. **Type:** Type of point – either TIE (inter-subzonal tie point) or GEN (generator).
2. **Mask ID:** A unique randomly generated number enabling the meter point to be referenced without violating any confidentiality. If additional statistics are requested by the Task Force, consistent Mask IDs can be used to allow cross-referencing the data.
3. **Total Annual Flow (GWHr):** (Ties only) – Sum of the absolute value of monthly flows reported for the meter.
4. **Total Flow:** (Gens) – Ranking of the flow through the meter point as compared to the other Generators in the state, given in Quartiles (25% groups). For example, the top 25% of Generators are in the group Top25%, the next 25% are in the group 2nd 25%. This ranking is also provided for the Ties in the .csv file, but in this case the two types of meters were ranked separately.
5. **Avg Change 4M T/U:** For the given point during the sample period, the average of the absolute monthly change in reported energy in the 4-month true-up, as a percentage of the original reported energy.
6. **Max Change 4M T/U:** For the given point during the sample period, the maximum of the absolute monthly change in reported energy in the 4-month true-up, as a percentage of the original reported energy.
7. **# 4M Changes:** For the given point during the sample period, the number of months with a change in reported energy in the 4-month true-up.
8. **Avg Change 12M T/U:** For the given point during the sample period, the average of the absolute monthly change in reported energy in the 12-month true-up, as a percentage of the original reported energy.
9. **Max Change 12M T/U:** For the given point during the sample period, the maximum of the absolute monthly change in reported energy in the 12-month true-up, as a percentage of the original reported energy.
10. **# 12M Changes:** For the given point during the sample period, the number of months with a change in reported energy in the 12-month true-up.
11. **Avg PTS Error:** For the given point during the sample period, the average of the absolute difference between reported monthly MWHr energy and the integrated operational data (PTS), as a percentage of the MWHr value.
12. **Max PTS Error:** For the given point during the sample period, the maximum of the absolute difference between reported monthly MWHr energy and the integrated operational data (PTS), as a percentage of the MWHr value.
13. **Meets RMRM:** Per discussions at MTF, a ‘Y’ indicates the given point meets the requirements of the Revenue Meter Requirements Manual.
14. **Avg Monthly Error Impact:** For a sample period, compute the hourly time-weighted average RTD LBMP for each hour and zone, and multiply these values times a uniformly distributed random error of $\pm 5\%$ error applied the MWHr reading for each meter point. Sum the hourly data by Mask-ID and subzone. Report the absolute value for each Mask-ID, choosing the larger value if two subzones are affected, to quantify the meter’s possible impact on the market resulting from a hypothetical $\pm 5\%$ error. Note: The random nature of this methodology will give differing results on successive trials.

15. Avg Monthly True-Up Impact: For a sample period, compute the hourly time-weighted average RTD LBMP for each hour and zone, and multiply these values by the change in reported MWhr between the initial invoice and the 12-month true-up for each meter point. Sum the hourly data by Mask-ID and subzone. Report the absolute value for each Mask-ID, choosing the larger value if two subzones are affected, to quantify the meter's impact on the market resulting from true-up changes.

Note: The sample period for columns 3-12 was all of 2004. The volume of data crunching required for columns 14-15 made it necessary to use a sample period of 3 months during 2004.