Meter Inventory Database: A Step to Alternatives

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➢ BIC/BAWG should complete a review of the Meter Inventory and existing/proposed standards and, if found lacking to support settlement in an accurate *and* timely manner, the following should be considered:

❖ NYISO should consider settling loads based on integrated State Estimator flow values.

❖ Other possibilities

➢ Why not just bring metering up to state-of-the-art standards for accuracy, calibration and testing?

➢ It is possible that we will not agree on mutually acceptable standards

➢ Costs to bring the system into wide spread compliance could be prohibitive and would likely take years

➢ In all fairness, the ISO needs to review how much lack of accuracy in the metering contributes to BOTH delay in settlement and unfair settlements for LSEs

➢ How would using a State Estimator help?

   ✓ The ISO would calculate flows from integrated SE results

   ✓ State Estimators use statistical processing that allow for both bad data detection and correction (depending on meter redundancy). Further, they allow for weighting of specific meter contribution to the solution,

   ✓ PJM has used this approach from Day 1 and as it is understood, the SE based values are in fact the final numbers used,

➢ Would we just ignore metering that is believed to be accurate?

   ✓ No. SE and Meter values could be compared and BOTH the software and meters would be subject to calibration checks

Note: ConEd uses their SE results on their intra-zonal ties for settlement now

➢ What other possibilities are there?

✓ Modify settlement such that Non-TO LSEs are removed from sharing any energy shifts resulting from meter related issues

✓ Basically, non-TO LSEs would be responsible for end use energy adjusted for tariff based losses

✓ This would then leave the TOs responsible for meter errors and related adjustments

✓ Since, in most cases the TOs are and will remain the Meter Authority for sub-zone tie lines, it would be appropriate to leave them to deal with the issue in any manner they choose…

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