



Kirk McAllister
NYISO Metering Task Force
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Today's Objective

- Discuss how NYSEG updated their tiepoint & generator metering to be compliant with the NYISO's Control Center Requirements manual.
- Explain lessons learned.
- Answer any questions you might have.

Background

- There are 34 generators for which NYSEG is the metering authority.
- All but 11 of these generators,(hydros & IPPs) already had billing quality **telemetering**.
- NYSEG is the metering authority for 58 tie points across the state.
- Only 8 of these points had billing quality **telemetering**.

Justification – “Why was this done?”

- Ability to know NYSEG’s subzonal loads in a timely manner.
- Support and encourage NYISO’s project to shorten Billing cycles.
- Data can be retrieved and delivered to ISO in time for an accurate initial invoice.
- Eliminate manual backcasting process → xx file.
- Eliminate costly manual meter reads.
- Provide redundant sources of data as backup.

The Process

- Categorized the sites: (a) inter-company ties, (b) intra-company ties, (c) normally-open ties, (d) IPPs, (e) NYSEG Hydro plants.
- Inventoried all tie points & generators.
- Ordered necessary equipment:
 - Trans Data Mark-V, true 4-quadrant, solid state energy meters
 - Mark-V Analog Output Converter modules
- All equipment calibrated and tested in NYSEG's Corporate Meter Lab prior to shipping.
- Scaled meters to minimize resolution error and still provide adequate time before data rollover.
- All installations performed using NYSEG SP&C and Metering Staff to a standard design.

The Result

- All equipment installed & operational by 12/31/02 for less than ½ a million dollars.
- PSC approved revenue quality telemetering for NYSEG's tie points & generators.
- All metering is compliant with specifications contained in the NYISO's Control Center Requirements manual.
- Revenue quality data sent to ISO for an accurate initial invoice.
- Subzone load verification process much easier.
- Elimination of xx files, and manual meter reads.

Lessons Learned

- Detailed inventory prior to starting should include field visits.
- Project management at the corporate level was a key to the project's success.
- Verify communications early on in the process.
- Be cognizant of wiring problems (reverse connections).