ISSUE #7: EIM METERING POLICIES

Step 1: Introduction and Education
Step 2: Description of the Issue

Agenda

- Overview of BPA Functions in EIM
- BPA Metering Standards
- BPA Area Load
- SQMD Plans
- Data Requests to Customers
- Metering Policy / Business Practice

EIM Roles

- EIM Entity: BPA-T
  - Balancing Authority responsible for:
    - Transmission constraints, intertie capacity for EIM management of BAA EIM RT action
- EIM entity Scheduling Coordinator (EESC, BPA-T)
  - Responsible for:
    - Enabling the BA participation in EIM submitting schedules to market, settlements for non-participating load & resources

EIM Roles (cont.)

- EIM Participating Resource
  - Responsible for:
    - Resources bidding supply into the EIM
- EIM Participating Resource Scheduling Coordinator (PRSC)
  - Responsible for:
    - Enable Participating resources, submitting schedules for PRs, Settlements for PRs
- Local Regulatory Area (BPA)
  - Responsible for:
    - Ensuring metering practices are applied consistently and in accordance with EIM Market requirements

Metering Technical Standards

- BPA's current standard meets CAISO's Business Practice
- BPA's current technical requirements:
  - STD-000001 "Technical Requirements for Interconnection"
  - STD-DC-000005 "Meter Application Guide"
    - +/-1% metering system
      - 0.2 meter accuracy class
      - 0.3% CT/PTs accuracy
      - 5 min interval

EIM – Area Load Metering

- CAISO calculates Area Load using generation, interchange, and losses.
- BPA (EESC) does not plan to submit individual load meters to CAISO
- BPA will use load meters for cost allocation, imbalance, and billing to BPA customers

Settlement Quality Meter Data (SQMD) Plans

- One SQMD per unique Project Number (NRI – New Resource Implementation)
  - An EIM Metering Portfolio is comprised of all market resource generation (Participating and Non-Participating), ties, and load representing an entity's EIM participation.
- Both BPA and the PRSC submit generation and interchange meter data to CAISO needs to be collected at the transmission voltage level or adjusted for losses to that point.

Data Needed for SQMD

- Meter information including – make, model, accuracy, single-line
  - Adjacent interchange
  - Generation within BPA BAA
- Expect requests from BPA to begin in March/April 2020

Metering Policy / Business Practice

- In early development, will include but is not limited to:
  - Required data for SQMD
  - Submission timelines
  - New interconnections and changes to existing generation and interchange
- Metering policy decisions will be documented in relevant business practices.

Metering Review & Update Project

- Implementing high-side metering for BPA's participating resources
- Interchange metering to 5 min
- Developing SQMD Plans
- Providing input to business policy and practices