

Energy Storage Resources (ESR) Metering Requirements

ESR Meter Requirements

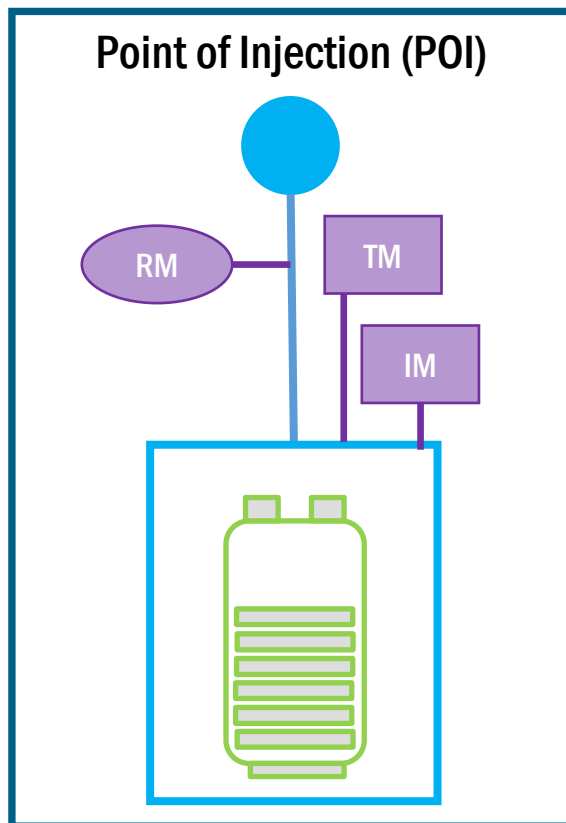
- Meters must:
 - Be approved by Metering Authority
 - Provide revenue-quality metering information
 - Provide six-second telemetry
 - Comply with minimum acceptable accuracy standards
- Submit dual channel hourly meter data
 - Separate fields for Injection MW and Withdrawal MW vs. single net MW value
- Provide Energy Level (MWh) telemetry in RT
- Fulfill Station Power requirements

Meter Authority

- An entity responsible for the calibration, maintenance, operation, and reporting of metered data from an electric revenue meter used in the wholesale electricity markets administered by the NYISO (i.e., a Member System)
- For stand-alone ESRs, typically a Transmission Owner (TO)
- Decided based on sub-zone
- Will provide instantaneous and hourly metered data (meeting NYISO and TO requirements), to the NYISO and the TO.

ESR Metering Configuration

Meter Designation	Meter Requirements	Data Flows
RM	Revenue grade, dual channel meter; Reported by a Meter Authority	Hourly data
TM	Telemetry data	ESR State of Charge (SOC)
IM	Instantaneous metering	6 second aggregated output telemetry from ESR



- If co-located with a retail Load, the metering must only measure the ESR, and not include any co-located Load
- If co-located with a Wind/Solar IPR, at one POI, additional metering requirements may apply