**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**

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

- 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