

**Power & Water Resources Pooling Authority**  
**Resolution 24-02-02**

**PWRPA LOAD METERING POLICY VER 3**

WHEREAS Interval Meters are integral to achieving cost-effective energy efficiency in agricultural and municipal water systems by providing the technology to identify energy savings opportunities by measuring energy use and equipment operation that is critical to optimizing energy, equipment, and overall operations; and

WHEREAS, under Article 5 of the ASA, the Pooling Authority Board of Directors is designated as the local regulatory authority with authority to make decisions and take actions on matters relating to the operation and implementation of the ASA.

NOW, THEREFORE, BE IT RESOLVED that the Pooling Authority Board of Directors ("Board") hereby:

1. Approves "PWRPA Load Metering Policy Ver 3," attached hereto as Attachment A.
2. Authorizes and directs the General Manager to implement the PWRPA Load Metering Policy consistent with its terms.

PASSED AND ADOPTED by the Pooling Authority Board of Directors this 7<sup>th</sup> day of February 2024, by the following vote on roll call:

AYES	Arvin-Edison WSD, Banta Carbona ID, Byron-Bethany ID, Cawelo Water District, Glenn-Colusa ID, James ID, Lower Tule River ID, Princeton/Provident ID, RD 108, Santa Clara Valley WD, Sonoma County Water Agency, The West Side ID, Westlands Water District ( <i>100.0% Voting Shares</i> )
NOES	
ABSENT	



\_\_\_\_\_  
David Weisenberger  
Chairman



\_\_\_\_\_  
Attest by: Bruce McLaughlin  
Secretary

# **Power & Water Resources Pooling Authority**

## **Resolution 24-02-02**

### **PWRPA Load Metering Policy Ver 3**

In its role as the Local Regulatory Authority, the Power and Water Resources Pooling Authority (PWRPA) Board of Directors (Board) has approved this document for the purpose of describing the load metering requirements applicable for service under the Aggregation Services Agreement (ASA). This document sets forth policy statements and provides certain written implementation details for PWRPA, as a Scheduling Coordinator, for meter installation, certification and maintenance in addition to the creation of Settlement Quality Meter Data (SQMD). The provisions of this Load Metering Policy are intended to be consistent with the California Independent System Operator (CAISO) Tariff and Business Practice Manual for Metering (BPMM), as they are amended from time to time. Upon subsequent approval by the Board, this document may be supplemented with additional documents that further describe the load metering requirements applicable for service under the ASA. Unless otherwise defined herein, capitalized terms used herein shall have the meaning given to such terms in the ASA.

### **Policy Goals**

The following summarizes the goals of PWRPA's Load Metering Policy:

- Timely state estimation of the aggregate PWRPA load for power supply management.
- Proper metering for demand side management programs established to comply with the PWRPA Public Purpose Program guidelines or the State of California, as appropriate.
- Improved settlement values through less estimation.
- Less reliance on another Utility Distribution Company to provide timely and accurate meter data.
- Settlement data provided at the same level of detail as power schedule data.
- Ensure the accurate submission of Settlement Quality Meter Data (SQMD).
- Improved capability to more efficiently bill for services under the ASA.

### **Policy Elements**

1. PWRPA shall meter, or cause to be metered, each load point with Interval Meters that meet or exceed the standards acceptable to PWRPA for service under the ASA, subject to certain exceptions requested by a Project Participant and approved by the Board.
2. PWRPA shall provide, or cause to be provided, sufficient data acquisition and communication equipment at each meter point as required to communicate Interval Meter information in a cost-effective, accurate and timely manner to control locations that can then disseminate aggregated demand data to PWRPA meter data clients. Such data acquisition and communication equipment shall, to the extent possible, be standardized and procured in bulk to reduce initial costs and ongoing operation and maintenance costs. All equipment and associated services will at all times comply with a current list of approved equipment, services and vendors, where such list is to be developed and continuously maintained by PWRPA, as

# **Power & Water Resources Pooling Authority**

## **Resolution 24-02-02**

provided in Exhibits A and B.

3. PWRPA shall provide or cause to be provided, operation and maintenance (O&M) services for each Interval Meter. Such O&M services shall at all times comply with standards established by PWRPA for service under the ASA.
4. The Board shall adopt a budget each year as required, to install, replace, retrofit, operate and maintain Interval Meters required to comply with this Policy. Revenue needed to cover the costs reflected in the budget shall be derived from PWRPA's rates, applied to or otherwise allocated to each Project Participant as provided by the PWRPA Board.
  - 4.1. The costs associated with the installation, replacement, retrofitting, operating and maintenance of Interval Meters and associated services shall be allocated as follows, subject to further direction from the Board:
    - 4.1.1. All costs reasonably associated with specific Interval Meters for each Project Participant shall be borne by such Project Participant. As described above, "Interval Meters" is defined to also include all associated telemetry equipment and communication service.
    - 4.1.2. All costs reasonably associated with the general implementation of the program, such as general research and design of the overall system, modifications to PWRPA's meter data management system and other similar general costs, shall be allocated in accordance with Section B (Metering and Meter Data Management) of the cost allocation algorithms set forth in Exhibit E of the ASA.
  - 4.2. Project Participants may, at their election, advance funds to PWRPA in amounts determined by PWRPA to cover all or some of their respective costs of the Interval Meters and associated services.
5. Ownership of Metering Equipment, Data Acquisition or Communication Services, or associated contracts.
  - 5.1. Subject to Section 5.2, Project Participants may: (a) own the physical metering equipment, physical data acquisition and/or communication equipment serving their respective load; and (b) may contract in their own name for the data acquisition, and communication services associated with Interval Meters serving their respective load.
  - 5.2. All equipment so owned shall:
    - 5.2.1. at all times be in compliance with the current list of approved equipment listed in Exhibit A,
    - 5.2.2. not be removed or modified without the written permission of PWRPA,
    - 5.2.3. be maintained pursuant to and in compliance with standards established by PWRPA for service under the ASA as provided in Section 3,
    - 5.2.4. be located in such a manner to allow:
      - 5.2.4.1. continuous electronic access, or other access as may be required pursuant to a PWRPA data access or communication system applicable to that load point,
      - 5.2.4.2. physical access to said equipment by PWRPA, its agents, and other personnel authorized by PWRPA.

**Power & Water Resources Pooling Authority**  
**Resolution 24-02-02**

- 5.3. All services shall:
- 5.3.1. at all times comply with the current list of approved services and vendors listed in Exhibit B,
  - 5.3.2. not be terminated or modified without the written permission of PWRPA,
  - 5.3.3. be maintained pursuant to and in compliance with standards established by PWRPA for service under the ASA as provided in Section 3,
  - 5.3.4. be maintained in such a manner as to be continuously available or as may be required pursuant to a PWRPA data access or communication system applicable to that load point,
- 5.4. The Project Participant shall act so as to remain in good standing with the vendor with respect to credit, accounts payable and any other financial obligation so required by the vendor.
6. PWRPA shall ensure that all SQMD meets CAISO Tariff Section 10 in accordance with BPMM 6.2.
7. PWRPA shall develop, or cause to be developed, an SQMD Plan and ensure compliance with the biannual audit and self-attestation requirement described in BPMM 6.4. The audit shall evaluate the process flow of meter data beginning with collecting meter data, Validation, Estimation and Editing (VEE) and following through submittal of Actual SQMD to the CAISO.
8. PWRPA shall incorporate approved distribution system loss factors in accordance with BPMM 6.2.1.1.
9. PWRPA shall ensure compliance with procedures for meter certification in accordance with BPMM 6.3.