Manual XX – Large Loads / Large Load Registry

Interim Manual pursuant to the Commission's Order in Docket No. ER26-3515-000 (note: on November 9, PJM submitted its 30-day compliance filing regarding this matter in ER26-3515-002)

Section 1: Large Load Definition

As set forth in RAA, Article 1, Definitions, 'Large Load' means "end-use customer(s) load that has a cumulative peak load of 50 megawatts [("MW")] or greater at a single electrical site behind one or more points of interconnection, where for configurations involving multiple affiliated load facilities or multiple points of interconnection with affiliated load facilities behind them, all affiliated load facilities within a one-mile radius will be considered a single electrical site."

- A single electrical site is represented by the unique Electric Distributor account number used to manage the delivery of retail electric service and typically provided to the retail electric customer on their bill for the premise. If the account number has not been determined by the Electric Distributor than the Electric Distributor unique number used to track the retail electric service request and the physical address will be used unless otherwise approved by PJM.
- The peak load represents the Electric Distributor estimated hourly peak load for the premise prior to taking retail electric service for the Delivery Year and the actual peak load after taking retail electric service during the Delivery Year.
- Cumulative peak load of 50 MW: The cumulative peak load requirement captures premise(s) within 1 mile with a peak load less than 50 MWs owned or affiliated with other premise(s) that combined are equal or greater than 50 MW. A single entity shall not split a Large Load into smaller loads within the same area in order to avoid the 50 MW threshold and therefore avoid the Large Load designation.
    - Affiliated load facilities: Any two or more retail electric service premises, one of which Controls the other or that are under common Control. 'Control', as that term is used in this definition, shall mean the possession, directly or indirectly, of the power to direct the management or policies of an entity.
    - One-Mile Radius: The distance between two retail electric service premise(s) shall be measured as the straight-line distance from the edge of the closest physical infrastructure of one facility to the edge of the nearest physical infrastructure of the other affiliated facility, updated as needed. The one-mile radius requirement is intended to avoid a scenario where, for example, a data center owner is not categorized as Large Load

simply because the owner has elected to site a number of smaller data centers, each with peak loads below 50 MW, close together. Duly-signed officer declarations, signed under penalty of perjury, for affiliated loads attesting to the distance between the facilities may be relied upon to calculate the one-mile radius. PJM may request evidence relied upon by parties in determining that affiliated facilities are not within one-mile.

Section 2: Large Load Registry

The Large Load Registry ("Registry") is PJM's system of record for collecting, maintaining, and validating information associated with Large Loads interconnected to the PJM transmission system. The Registry requires entities bound by the Operating Agreement (including Load Serving Entities (LSE)) to provide information to PJM about the Large Loads that they serve, providing additional transparency necessary to address the impacts of Large Loads on the PJM transmission system. PJM will coordinate with the applicable Electric Distributors and Transmission Owners regarding the validation of submitted information or to obtain certain additional information about the Large Load. PJM may also consult with the Large Load. The Registry will also enable PJM to more accurately forecast load growth resulting from Large Loads. PJM will maintain the confidentiality of the information in the Registry consistent with PJM's existing confidentiality obligations under Operating Agreement, section 18.17.

In addition, the Registry will provide valuable information concerning all Large Loads connecting to the PJM transmission system for Authorized Commissions (state utility regulators), Transmission Owners, Electric Distributors, LSEs, the Market Monitoring Unit, FERC, and other entities, subject to appropriate confidentiality and data protection safeguards. PJM intends to publish on its website a summary of relevant, non-confidential information contained in the Registry to improve transparency for stakeholders.

Section 2.1: Registry Information Requirements

The Electric Distributor or other entity bound by the Operating Agreement shall submit all required information via the PJM Large Load Registry electronic tool for all in-service Large Loads, or Large Loads that will be in-service prior to June 1, 2027, by March 1, 2027. For Large Loads that will be in-service on or after June 1, 2027, the Electric Distributor or other entity bound by the Operating Agreement shall submit all required information as soon as practical and prior to the in-service date of the Large Load. The Electric Distributor or other entity bound by the Operating Agreement) will ensure that all information contained within the Registry remains accurate and will update the Registry whenever material changes occur.

For each Large Load, the Electric Distributor or other entity bound by the Operating Agreement shall provide information in the following categories:

Description of Large Load

The Electric Distributor or other entity bound by the Operating Agreement shall provide sufficient information to uniquely identify the Large Load customer, including, but not limited to:

- Eligible Customer / Network Customer for Large Load
- Large Load Name
- Large Load Description
- Physical service addresses
- In-service date
- Peak shaving adjustment value pursuant to a state program codified in state law and whether and how it meets the requirements of Tariff, Attachment DD-2
- Delivery point / Point(s) of interconnection
- EDC account numbers
- LSE contracts or service agreements, as necessary
- Transmission Zone
- Business Segment
- Peak load quantity and/or load ramp schedule
- Other customer information required by PJM.

This information enables PJM to uniquely identify the Large Load and associate the registration with the appropriate downstream approvals and verifications.

Locational Information

The Electric Distributor or other entity bound by the Operating Agreement shall provide:

- Control Zone / Electric Distributor zone/area, where a zone/area is an area within a Zone for which the relevant Electric Distributor specifies a separate Obligation Peak Load MW value. A zone/area is a service area of an Electric Distributor that is a separately identifiable, geographic area bounded by wholesale metering;
- EMS B1/B2/B3 name (for the applicable Transmission Owner, Electric Distributor)
- other information necessary for PJM to model the Large Load within its planning and operational systems, including: transmission node, bus, or other electrical modeling information specified by PJM

This information enables PJM to accurately represent the Large Load in planning studies, operational assessments, and other system reliability evaluations.

Backup or On-Site Generation Information

Where backup or on-site generation exists, the Electric Distributor or other entity bound by the Operating Agreement shall provide:

- Generator nameplate capability
- Generator fuel type(s)
- Permitting limitations
- Interconnection agreement type
- Other generator operating characteristics specified by PJM

This information enables PJM to understand the operational characteristics of the Large Load in relation to backup or on-site generation.

Telemetry Information

The Electric Distributor or other entity bound by the Operating Agreement shall provide information regarding telemetry, including:

- ICCP Object IDs

Where telemetry is required, the Electric Distributor shall coordinate with PJM to establish, test, and maintain communications in accordance with PJM requirements found in Manual 1.

Contact Information

The Electric Distributor or other entity bound by the Operating Agreement shall provide and maintain current contact information for personnel associated with the Large Load, including:

- Primary business contact
- Operations contact
- Telemetry or technical support contact
- Any additional contacts required by PJM.

Section 2.2: Maintenance of Registry Data

Entities bound by the Operating Agreement (including the Electric Distributor) shall review and update the Large Load Registry whenever information changes or upon request by PJM. PJM may require periodic verification of data to ensure continued accuracy.

Failure to maintain accurate registry information may result in PJM requiring corrective actions, additional data submissions, or other measures necessary to collect the necessary information.