

LOAD DROP ESTIMATE GUIDELINES

Issue Source

PJM

Issue Content

PJM creates an annual Load Forecast that projects future demand needs for each PJM zone, locational deliverability area and the RTO. This relies on statistical models and a key input to these models is load data, which relies in part on estimated load drops (as outlined in Attachment A). Estimated load drops are used to gross up metered load so that “unrestricted” load can be used as an input into the forecast process.

Manual 19 Attachment A serves as the guideline for producing estimated load drops for both capacity compliance calculations and to determine the unrestricted load used for load forecasting purposes. For load management curtailments, the Manual prescribes a set of calculations used to produce the estimated load drop that is consistent with capacity performance measurement (see calculations below). In some instances, these calculations may provide inaccurate estimates of the energy load reduction that are needed to determine the unrestricted load and thus could result in a less accurate load forecast.

$$\text{Summer} : PLC - (\text{Load} * LF)$$

$$\text{Non-summer} : (WPL * ZWWAF * LF) - (\text{Load} * LF)$$

Where

PLC = peak load contribution

LF = loss factor

WPL = Winter Peak Load

ZWWAF = Zonal Winter Weather Adjustment Factor

Key Work Activities and Scope

- 1) Review opportunity for improved guidelines on load drop estimates specifically for load forecasting purpose and not for capacity compliance calculations.

Expected Deliverables

- 2) Proposed revisions to Manual 19: Load Forecasting and Analysis, Attachment A

Decision-Making Method

Tier 1, consensus on a single proposal

Stakeholder Group Assignment

Markets & Reliability Committee

Expected Duration of Work Timeline

Two Month - utilizing Quick Fix process

Start Date	Priority Level	Timing	Meeting Frequency
11/21/2024	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	<input checked="" type="checkbox"/> Immediate <input type="checkbox"/> Near Term <input type="checkbox"/> Far Term	<input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly

Charter

(check one box)

<input checked="" type="checkbox"/>	This document will serve as the Charter for a new group created by its approval.
<input type="checkbox"/>	This work will be handled in an existing group with its own Charter (and applicable amendments).

More detail available in M34; Section 6