Load Management (Pre-Emergency DR) Compliance and Emergency Energy Settlements process for October 2, 2019 Load Management Event

October, 2019

- On October 2, 2019 PJM dispatched Pre-Emergency, Long Lead (2 hour), Base and CP DR resources in AEP, BGE, DOM and PEPCO zones :
  - CP DR dispatched within its product availability window:
    - Compliance performance <u>IS</u> measured and evaluated for penalties
    - Compliance records must be submitted
    - Over-performance is eligible for any potential Bonus Payment
    - DR Full registrations are eligible for energy payment
  - Base DR dispatched outside its product availability window:
    - No Compliance performance requirement or penalties
      - CSP must submit compliance records so reductions are eligible for any potential Bonus Payment
    - DR Full registrations that responded are eligible for energy payment

- Pre-Emergency, Long Lead, Base and CP DR deployed
  - AEP, BGE, DOM and PEPCO zones:
    - StartTime = 14:00
    - EndTime = 15:45 (BGE, DOM, PEPCO)
    - EndTime = 16:00 (AEP)
- Compliance records created for all event hours for all registrations dispatched
- CSP must submit 24 hour Hourly Load data (and GLD Profile data, if registration is GLD measurement type) for each Location
- Compliance data must be submitted by December 15, 2019
- Load Management Compliance Data submission detailed training material located at (see pages 166-175):
  - https://pjm.com/-/media/training/core-curriculum/ip-dsr/load-management-in-rpm.ashx?la=en

- Pre-Emergency, Long Lead, Base and CP DR deployed
  - AEP, BGE, DOM and PEPCO zones:
    - NotificationTime = 12:00, StartTime = 14:00
    - EndTime = 15:45 (BGE, DOM, PEPCO)
    - EndTime = 16:00 (AEP)
- Settlements will be created for all registrations dispatched and all potential settlement hours (in case load reductions started early or after notification time)
- CSP must determine which registrations responded to PJM emergency dispatch instructions with load reduction
  - CSP should not simply submit settlements – CSP should have reasonable knowledge that customer did take actions to reduce load.
- CSP must de-select all settlement hours where registration did not respond (PJM will have all hours automatically selected)
  - For example, if CSP did not start load reduction until 1400, HE13 and HE14 should be deselected and therefore NOT settled
  - CSP must have contiguous hours for settlement
- Settlement data must be submitted by December 1, 2019

Q: What baseline methodology (CBL) is used to determine emergency energy load reduction?

A: The CBL selected on Load Management registration is used (typically the default Economic CBL, *3 Day Types with SAA*) unless there was another CBL approved on a corresponding confirmed economic registration at the time of the event. Generally, for this event, CSP will need to upload 24 hours of daily load data for the following dates to calculate the *3 Day Types with SAA* CBL: Oct 1, Sep 30, 27, 26 and 25, 2019. In some cases other/additional data may be required. Below is a link to the energy data upload template:

https://pjm.com/-/media/etools/dr-hub/economic-energy-example.ashx?la=en

Q: If a resource responds late to an emergency event, can it choose which hours to settle?

A:Yes, as long as there are contiguous hours for settlement period.

- Energy Settlements (cost to LSE and revenue to CSP) will be included on January invoice issued in early February unless there are significant number of data quality issues or LSE load reconciliation issues (then it will go on February invoice issued in March)
- Settlements must be submitted by the following date to receive payment:
  - 12/1/19 : 11:59pm
  - If you withdraw after 60 days you should not resubmit the settlement.
- Make sure you *Submit* (NOT just *Save*) the settlement in DR Hub
- If you check or uncheck hour, you must recalculate CBL and Save and then resubmit.
- Emergency Energy purchase does not involve Demand Response
- LM Compliance Data submission detailed training material located at (see pages 166-175):
  - https://pjm.com/-/media/training/core-curriculum/ip-dsr/load-management-in-rpm.ashx?la=en
- Emergency Energy Settlement detailed training material located at (see pages 129-134 and 177-182):
  - https://pjm.com/-/media/training/core-curriculum/ip-dsr/load-management-in-rpm.ashx?la=en
- Historic list of Load Management Events (date/time/location)
  - https://pjm.com/-/media/planning/res-adeq/load-forecast/alm-history.ashx?la=en
- Hot Day Report
  - https://pjm.com/-/media/markets-ops/demand-response/estimated-econ-demand-response-oct-2-2019.ashx?la=en