

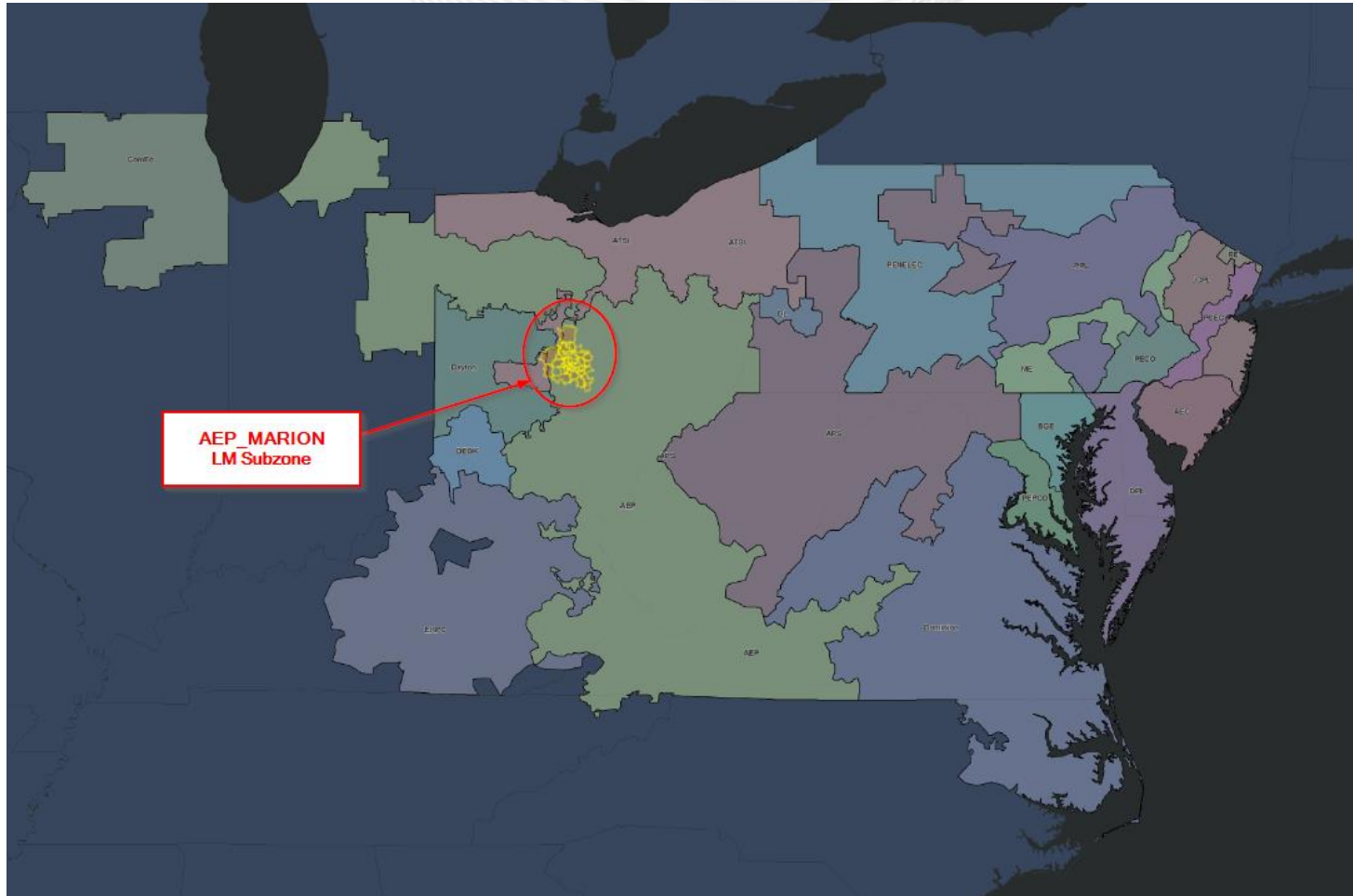


Load Management Compliance and Emergency Energy Settlements process for June 14, 15, 16, 2022

Load Management Events in AEP_MARION Subzone

Demand Response Subcommittee
July 7, 2022

- On June 14, 15, 16, 2022 PJM dispatched Pre-Emergency and Emergency, All Lead Times (30, 60, 120 minutes), CP DR resources in AEP_MARION Load Management subzone
 - CP DR dispatched within its product availability window
 - Compliance performance will be measured and evaluated for penalties
 - Submit data for compliance records
 - Over-performance is eligible for any potential Bonus Payment
 - DR Full registrations are eligible for emergency energy payment

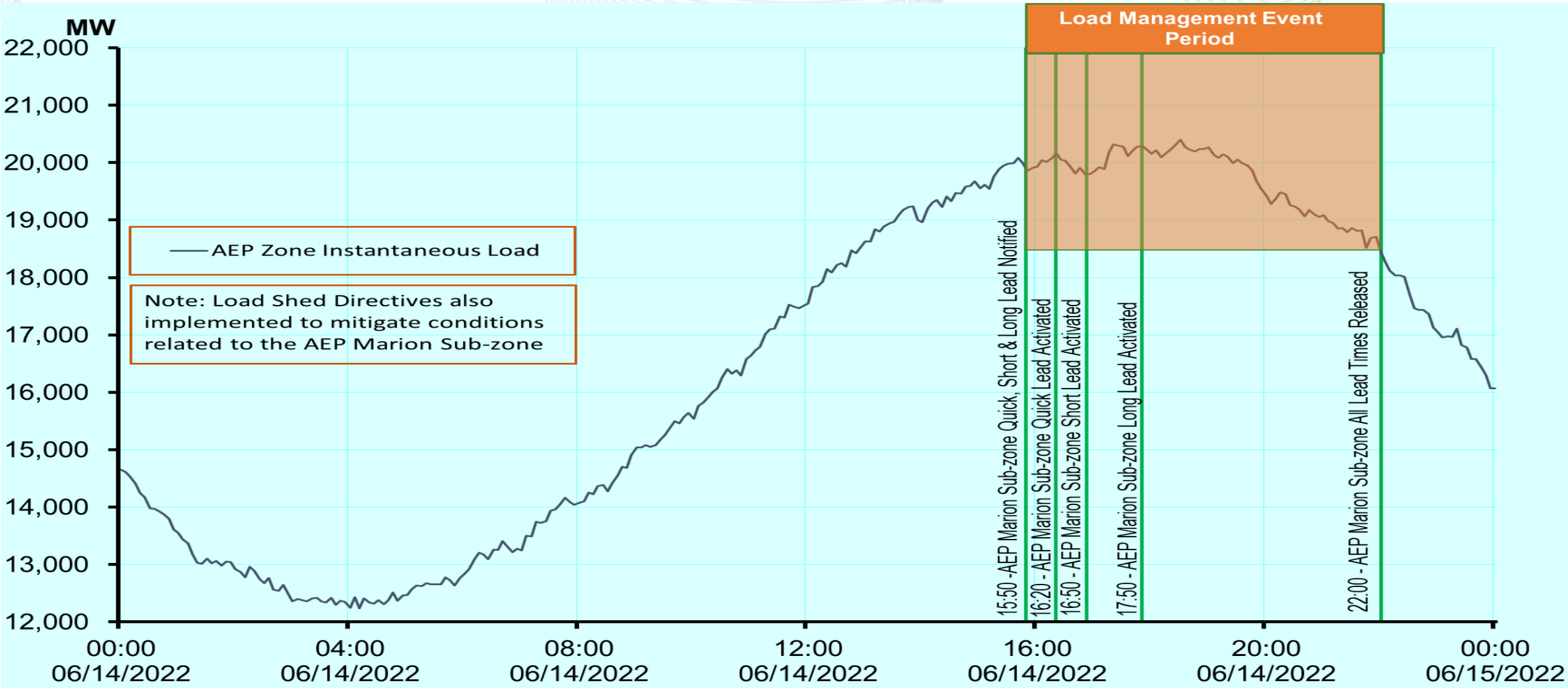


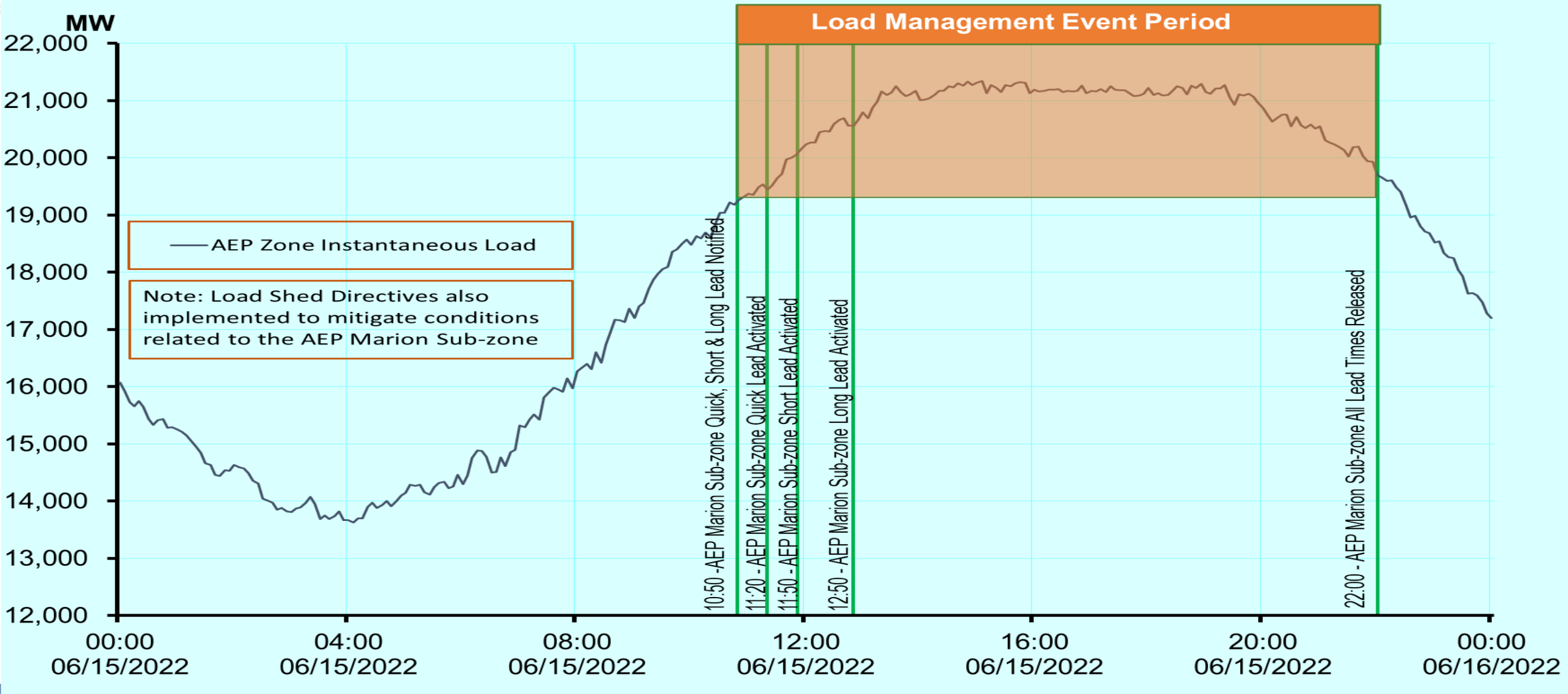
Created in response to line trippings in the area

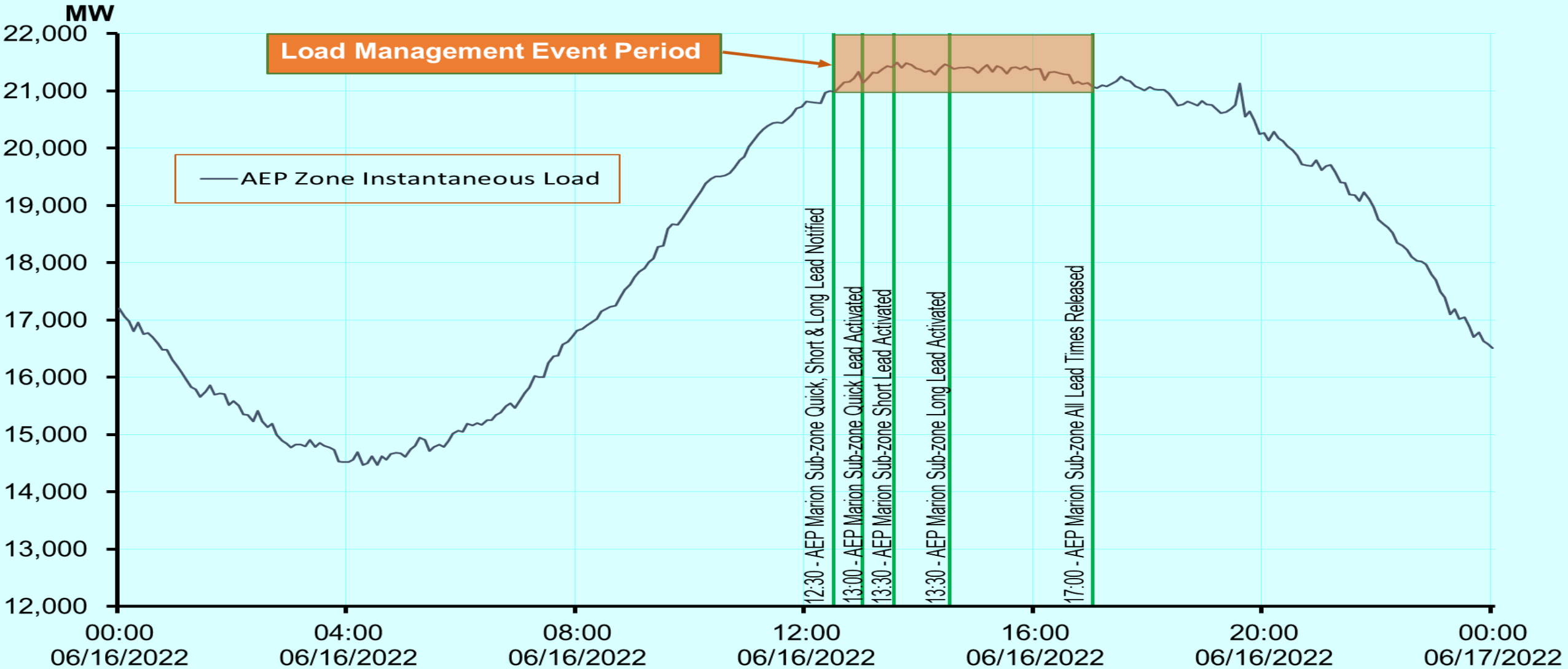


Load Management Event Timing – June 14, 15, 16, 2022

Load Management Events, AEP_MARION Subzone				
Both Pre-Emergency and Emergency Product Types Deployed Simultaneously				
14-Jun				
Lead Time	Notice	Start	End	Run Time
Quick_30	15:50	16:20	22:00	05:40
Short_60	15:50	16:50	22:00	05:10
Long_120	15:50	17:50	22:00	04:10
15-Jun				
Lead Time	Notice	Start	End	
Quick_30	10:50	11:20	22:00	10:40
Short_60	10:50	11:50	22:00	10:10
Long_120	10:50	12:50	22:00	09:10
16-Jun				
Lead Time	Notice	Start	End	
Quick_30	12:30	13:00	17:00	04:00
Short_60	12:30	13:30	17:00	03:30
Long_120	12:30	14:30	17:00	02:30







- 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 August 15, 2022
- Load Management Compliance Data submission detailed training material located at (starting at page 190):
 - <https://pjm.com/-/media/training/core-curriculum/ip-dsr/load-management-in-rpm.ashx?la=en>

- Emergency Energy Settlements should be processed in chronological order so that the CBL calculation will properly skip over the prior LM event days
 - Submit June 14 settlement first (puts it in Pending status)
 - Then submit June 15 (puts it in Pending status)
 - Then submit June 16 (puts it in Pending status)
- Settlements were 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 (by default 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
- Settlements must be submitted by:
 - August 13 for June 14
 - August 14 for June 15
 - August 15 for June 16

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 these events, CSP will need to upload 24 hours of daily load data for the following dates to calculate the *3 Day Types with SAA* CBL:

June 07, 08, 09, 10, 13, 2022

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 September invoice issued in early October unless there are significant number of data quality issues or LSE load reconciliation issues (then it will go on October invoice issued in November)
- Settlements must be submitted by the following dates to receive payment:
 - 8/13/22 : 11:59pm EPT for 6/14/22
 - 8/14/22 : 11:59pm EPT for 6/15/22
 - 8/15/22 : 11:59pm EPT for 6/16/22
- 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.

- LM Compliance Data submission detailed training material located at (starting at page 190):
 - <https://pjm.com/-/media/training/core-curriculum/ip-dsr/load-management-in-rpm.ashx?la=en>
- Emergency Energy Settlement detailed training material located at (starting at page 201):
 - <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 Days Report
 - <https://www.pjm.com/-/media/markets-ops/demand-response/estimated-demand-response-june-14-15-16-2022.ashx>

- Some CSPs were unsure of their dispatch situation
 - They did not know if any of their registrations were dispatched or not
 - Web service communications provided all of the dispatch instructions
 - If you did not receive any instructions, then no registrations were dispatched
 - PJM does not issue instructions saying you were not dispatched
- Registration dispatch can be confirmed by looking at Events tab in DR Hub
 - Sort on **Event Type** = *Load Management*
- Web service polling of DR Hub is PRIMARY communication channel
- The following are backup/secondary sources of information
 - Email messages from DR Hub/DR Ops
 - Emergency Procedure Postings
 - All Call