



Demand Response Activity and Load Shed Directives June 14-16, 2022

December 13, 2022

- **Load Management** (“Emergency & Pre-Emergency DR”) dispatched by PJM June 14-16, 2022
 - **Expected 113 MW hourly load reduction each day**
 - **Actual hourly average performance was approx. 86% over all three days (21 hours).**
 - Pre-Emergency and Emergency, Quick Lead (required to implement load reductions in half hour), Short Lead (required to implement load reductions in one hour), and Long Lead (required to implement load reductions in two hours) in AEP Marion Sub-zone.
 - Load Reduction expected to be fully implemented
 - June 14:
 - From 16:20 through 22:00 Quick Lead
 - From 16:50 through 22:00 Short Lead
 - From 17:50 through 22:00 Long Lead
 - June 15:
 - From 11:20 through 22:00 Quick Lead
 - From 11:50 through 22:00 Short Lead
 - From 12:50 through 22:00 Long Lead
 - June 16:
 - From 13:00 through 17:00 Quick Lead
 - From 13:30 through 17:00 Short Lead
 - From 14:30 through 17:00 Long Lead
- No Economic DR was dispatched in the sub-zonal area

*See [Historic Load Management Events](#) for prior events.

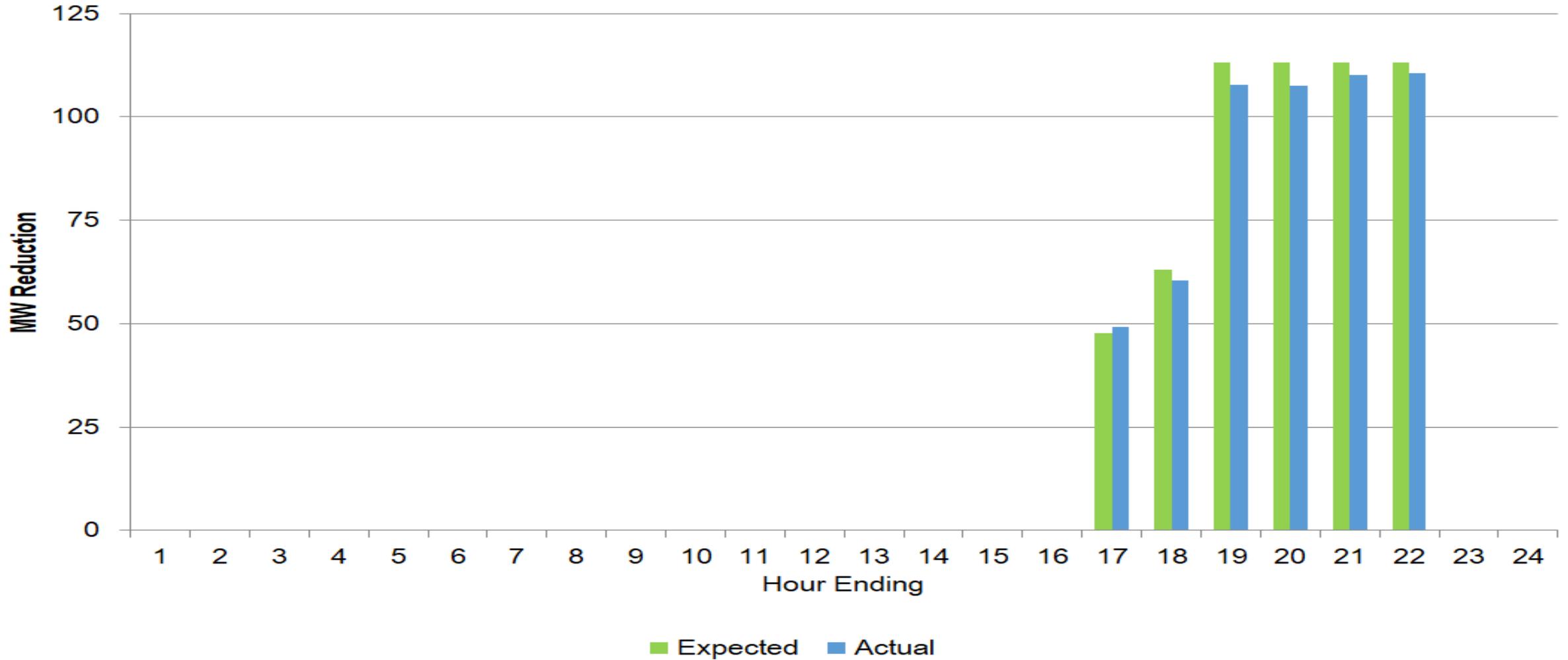
- **Load Shed Directives** (to mitigate certain conditions) implemented related to the AEP Marion Sub-zone:
 - June 14 (all ended June 15 at 02:58):
 - Kenny-Roberts 138 KV in AEP (thermal overload) – started 14:02
 - Clinton - Karl 138 KV in AEP (thermal overload) – started 14:06
 - Marion - Obetz 138 KV in AEP (thermal overload) – started 14:35
 - Beatty-Bolton 138kV in AEP (N-5 cascade analysis) – started 19:21
 - June 15:
 - Hap Cremean Gahanna 138 KV in AEP (thermal overload) – started 10:41, ended 13:55
 - Kenney-Roberts 138kV in AEP (N-5 cascade analysis) – started 11:41, ended 22:25
 - For more information please see Emergency Procedures dashboard at PJM.com

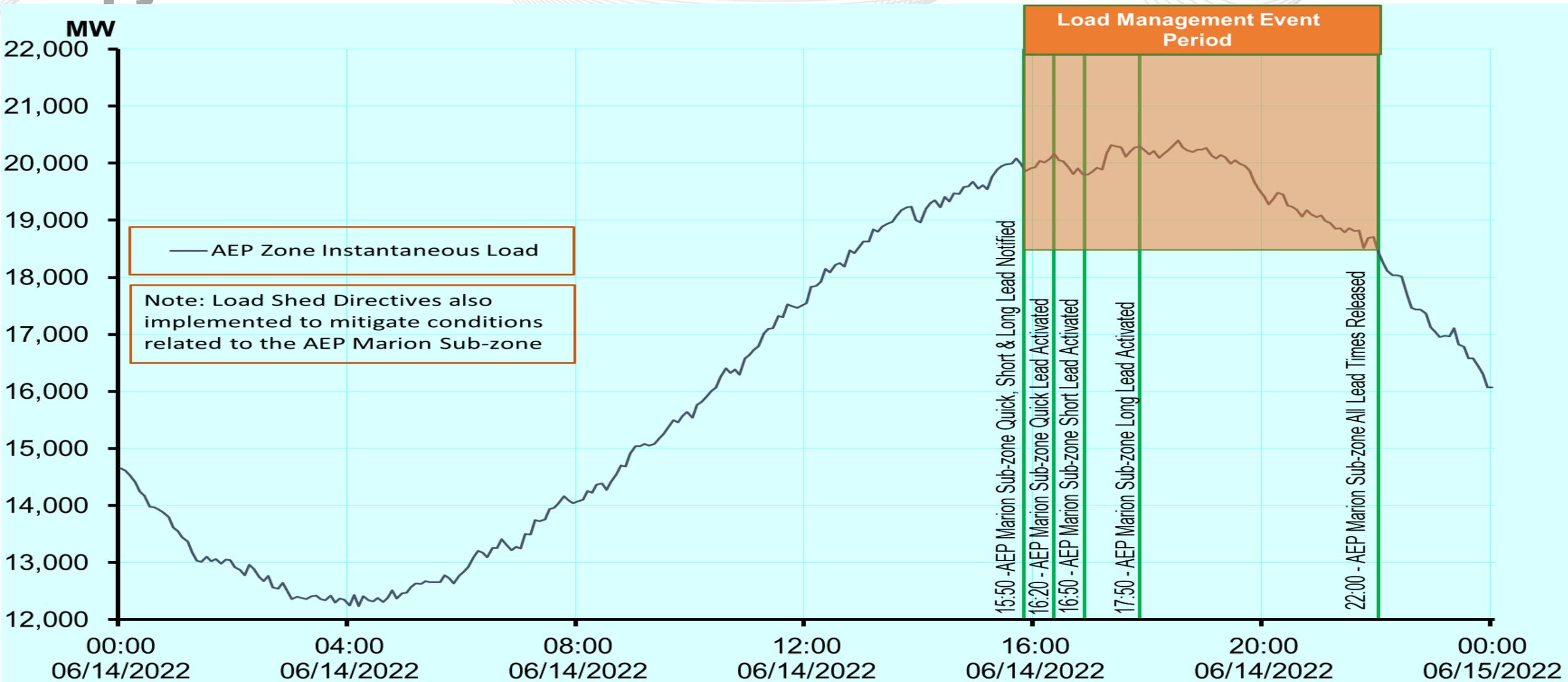
- DR Capacity Performance – mandatory event. Load reductions eligible for penalties, energy settlement and CP bonus payments.
- Load Management expected load reductions on the following charts based on Nominated ICAP for the registrations dispatched in this sub-zonal event.
- Dispatch of Load Management was part of a larger effort to address the transmission system problem near Columbus, OH
- Load Management (LM) Subzone created the morning of June 14 for immediate use
- Events spanned 3 contiguous days and totaled 21 hours of load reductions
- PJM dispatched Pre-Emergency and Emergency, All Lead Times (30, 60, 120 minutes)



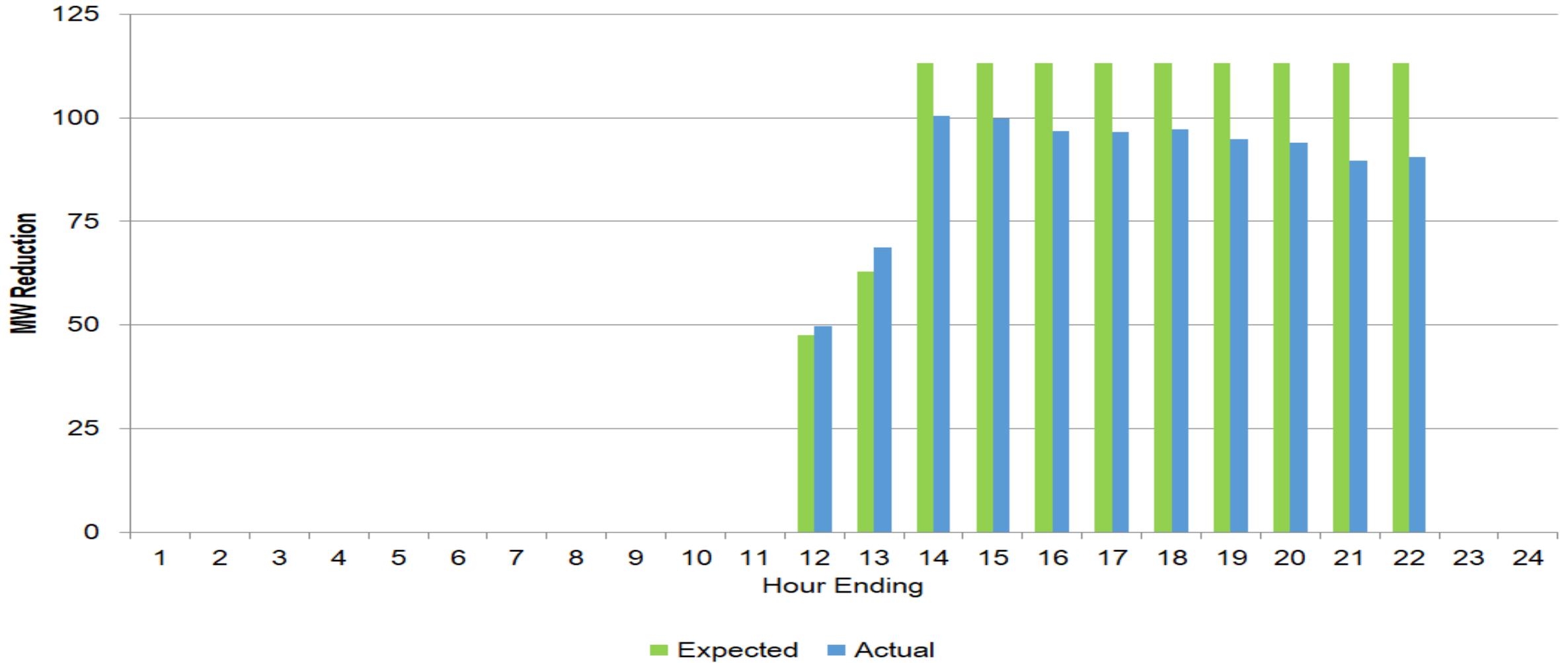
Created in response to line trippings in the area

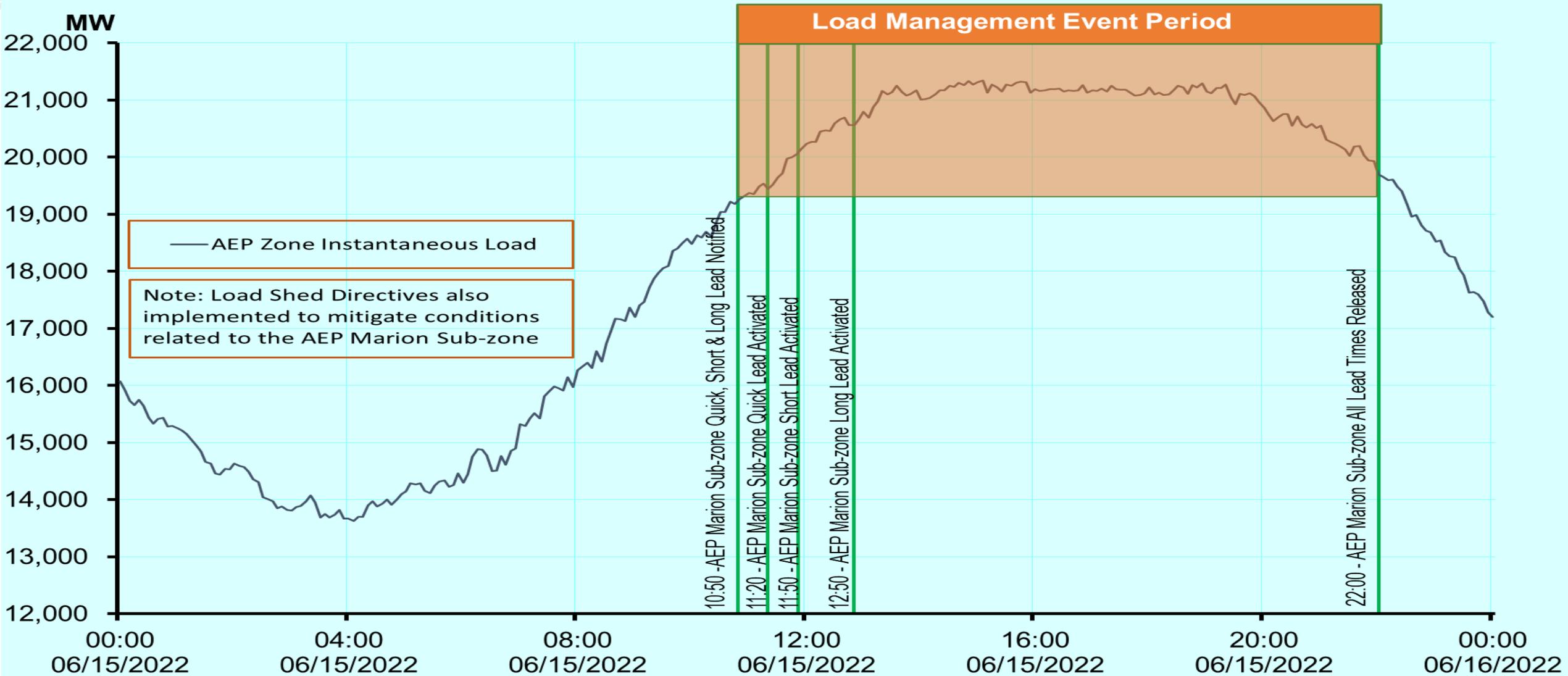
Load Management in AEP Marion Sub-zone: June 14, 2022





Load Management in AEP Marion Sub-zone: June 15, 2022





Load Management in AEP Marion Sub-zone: June 16, 2022

