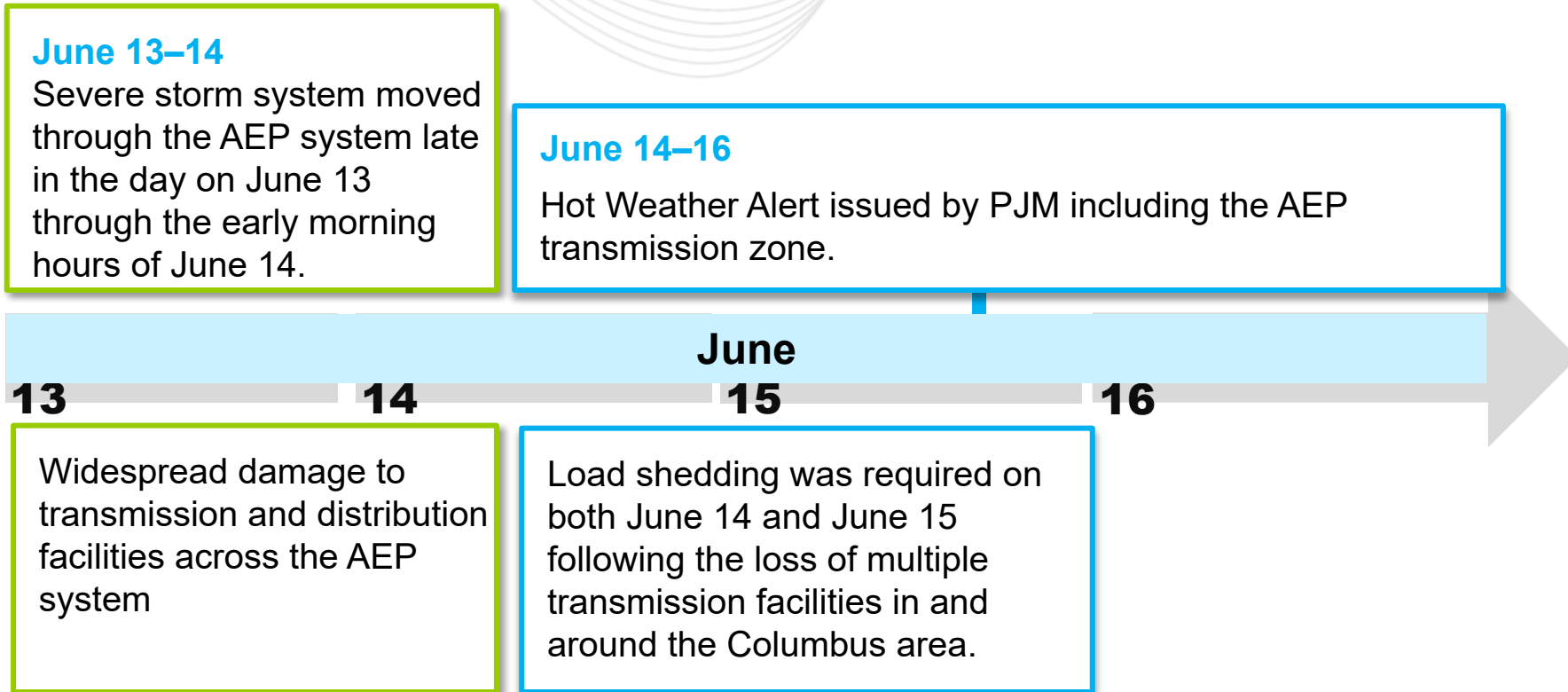




AEP Columbus/Marion Area Load Shed June 13–16, 2022 Lessons Learned

Donnie Bielak
Sr. Manager, Dispatch
Operating Committee
December 8, 2022



AEP, based upon its review, has concluded that:

The causation was lines contacting vegetation grow-in post derecho storm, causing lines to trip below their normal ratings.

PJM has recommended to AEP that it should improve vegetation management practices to mitigate the potential for transmission lines sagging into vegetation causing the lines to trip below their normal ratings.

Dispatcher Tools

Review the tools used by Dispatch staff to evaluate events with the potential for cascading outages.

- The review should consider the analytical approach to cascading analysis to enhance the decision-making information available to the dispatcher as well as improving the displays used to present the information to Dispatch staff.

Dispatcher Training

Consider enhancing training provided to PJM Dispatch staff to include simulations with multiple overloads and multiple potential cascading conditions.

- PJM dispatchers are trained on cascading outages and load shedding as part of their ongoing training; however, this event had more actual overloads and potential cascading outages than PJM had experienced previously.

Dispatch Procedures

Enhance PJM Dispatch procedures to provide additional clarity and enhance the decision-making guidance for pre-contingency load shedding due to potential cascading conditions.

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AEP Load Shed Lessons Learned



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