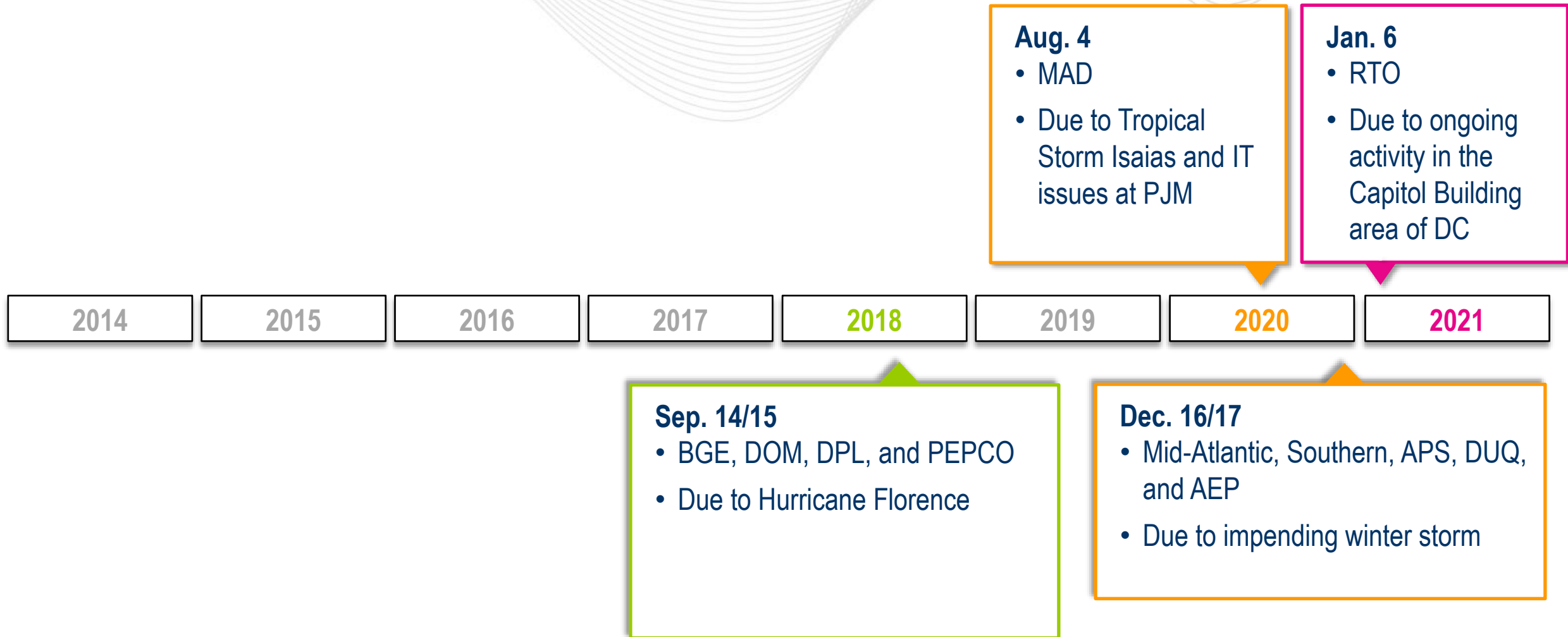




# Conservative Operations

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System Operations Subcommittee  
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# Recent History of Conservative Operations



- The need to operate the PJM RTO more conservatively can be triggered by any number of events
  - Weather
    - Ice/snow/wind storms
    - Hurricanes
    - Tornadoes
  - Environmental
    - Geo-magnetic disturbance events
  - Physical security events
  - Cyber security events

- PJM notifies PJM management, PJM public information personnel and members that Conservative Operations has been declared, including the reason.
- PJM Dispatch reviews and considers recalling/cancelling non-critical Generation & Transmission maintenance outages.
- PJM Dispatch communicates whether resource limited units are required to be placed into Maximum Emergency Category.
- PJM dispatcher has the authority to reduce transfers into, across, or through the PJM RTO or take other actions, such as cost assignments to increase reserves and reduce power flows on selected facilities.
- It is PJM dispatcher's responsibility to analyze the reliability of the PJM RTO and determine if it is in jeopardy. If required, operations planning branch staff are called upon to develop revised limitation curves.
- PJM issues a Production System Change Freeze: PJM will refrain from updating business application systems, programs, data, systems software, hardware and other aspect of the information-processing environment at PJM.
- PJM cancels Conservative Operations when appropriate.

- Implemented to ensure a stable production environment over a defined period of time
- Two objectives
  - Designed to ensure staff is available for critical activities, should the need arise
  - Designed to help ensure stable technical environments to support PJM's business and reliability functions.
- The Change Freeze announcement will identify start date/time and the end date/time of the freeze period.
  - At any point during the change freeze window, system conditions will be evaluated and an announcement regarding the lifting or extension of the change freeze will be made.
  - Exceptions to the Change Freeze will only be granted with PJM management authorization.
- During a Change Freeze, Transmission Owners and Generation Owners should refrain from scheduling ICCP/EMS outages and/or failovers.

- Transmission/Generation dispatchers notify management of the declaration.
- Transmission / Generation dispatchers and PJM Marketers respond, as required, to specific requests and directions of PJM dispatcher.
- Generation dispatchers report to PJM Dispatch any and all resource limited facilities as they occur via Markets Gateway, as described in Section 6.4, and update PJM Dispatch as appropriate.

- PJM Action
  - PJM conducts SOS conference calls, as needed, to review and coordinate operations with members
- PJM Member Action
  - Participate in PJM hosted SOS conference calls

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