

# Manual M-13 rev. 65

SOS, OC, MRC

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- Periodic review
- Section 1.3 Additional language added to the communications section to include references to communications with neighbors
- Deleted Sections 1.3.1, 1.3.2 and 1.3.3 due to redundant information being included in Manual 1.

- Section 2.2:
  - Updated the annual DASR to 5.29% for 2018
  - Added BAL-002-2 related language to note that both generation and transmission configuration is monitored when determining the largest single contingency.
- Section 2 and Section 5 updated to provide clarity regarding the emergency procedures that trigger a Performance Assessment Interval (PAI)
- Sections 2.3.2, 5.2 and 5.7 included notes to indicate which emergency procedures would trigger a Performance Assessment Interval (PAI).

- Section 3.8: Added new section for “Assessing Gas Infrastructure Contingency Impacts on the Electric System”
  - System conditions that may result in the initiation of the gas infrastructure contingency assessment
  - Assessing process to determine the applicable gas infrastructure contingencies
  - Coordination with the Generation Owners and Gas Pipelines
- Throughout: Revised all references to the FERC pager system to the FERC email address to be utilized for capacity deficiency notices

- Section 3.4: Hot Weather Alert. Added language:
  - “PJM may also issue a Hot Weather Alert at lower temperatures during the spring and fall periods if there are significant amounts of generation and transmission outages that reduce available generating capacity.”
    - Signifies tight conditions due to transmission and capacity concerns, coupled with higher than normal load.

- Maintaining reliability of the grid:
  - NERC EOP-001 and EOP-002 requirements
  - Notice of potential emergency conditions to TOs, GOs, neighboring RCs, TOPs, etc.
  - Recall of generation and transmission outages
- Additional benefits:
  - Transparency
    - Alert PJM members of potential for escalating emergency procedures and possible PAI.
  - Price Formation
    - Include RAC reserves in the DA where they are included in the DASR clearing price
    - Reduce uplift (PLS schedules)

	9/21 (no HWA)	9/25 (RTO HWA)
Peak Load	127,512MW	132,055MW
DASR Max MW	6,529MW	19,645MW*
Avg. DASRMCP	\$1.55	\$29.35
Avg. DA Energy LMP	\$41.17	\$69.55
Units committed on PLS	None	227
Uplift	\$1.9M	\$623K
Transmission outages	590	470
Generation outages	36,350MW	33,280MW

\*These reserve MWs, if not committed as DASR, would still have been committed by PJM based on the RAC results to meet reserve requirements.