

Maximum Emergency Changes for Resource Limitation Reporting

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Sr. Director, Operations Planning
Markets & Reliability Committee
November 16, 2022

- **October 2021:** The MRC approved “temporary” changes to Manual 13 Section 6.4 to increase the fuel limitation eligibility for Maximum Emergency from 32 hours to 240 hours for steam units
 - Purpose: Address concerns with supply chain, rail availability, and coal inventory levels
- **March 2022:** The MRC approved the Issue Charge for the OC to develop a more permanent solution
 - <https://www.pjm.com/-/media/committees-groups/committees/mrc/2022/20220323/20220323-item-03a-3-m13-revisions-issue-charge.ashx>
- **September 2022:** The OC Endorsed the PJM solution package
 - <https://www.pjm.com/-/media/committees-groups/committees/oc/2022/20220908/item-04---max-emergency---options-and-packages-matrix.ashx>

1. Ensure reliability in the operations time horizon
2. Provide a mechanism to maintain adequate levels of coal inventory for summer/winter peak operations
3. Clarify eligibility and reporting requirements for the four categories of Maximum Emergency:
 - Fuel Limits
 - Environmental Limits
 - Temporary Emergency Conditions at the Unit
 - Temporary MW Additions

Permit coal resources owners to offer their units as Maximum Emergency if their fuel inventories below 240 hours (10 days) unless:

1. PJM has issued a Hot or Cold Weather Alert, Conservative Ops
 2. PJM denies the use of Maximum Emergency for any reason, including but not limited to a potential thermal or voltage violation, to avoid running a CEJA limited unit with no economic hours remaining, a black start concern, tornado/hurricanes, extreme weather, GMD activity, etc.
- A unit offered as Maximum Emergency can remain in that state until the inventory level reaches 21 days (or if the owner elects to remove the unit earlier) OR if any of the aforementioned conditions occur

- Clarify that a unit may only be offered as Maximum Emergency consistent with the provisions of PJM OA, Schedule 1/Tariff, Attachment K-Appendix, Section 1.10.1A
- Include specific documentation and reporting requirements for utilization of Maximum Emergency
- Clarify when resources with Environmental Limits can offer as Maximum Emergency
- Provide examples for what does and does not qualify as a “temporary MW addition” for use of Maximum Emergency
- Provide examples for what does and does not qualify as a “temporary emergency condition at the plant” for use of Maximum Emergency

- OC Sept. 16th
 - PJM Package endorsed
- OC Oct. 7th
 - First read of associated Manual 13, Section 6.4 changes
- MRC Oct. 24th
 - First read of package and Manual 13 changes
- OC Nov. 3rd
 - Endorsement of the Manual 13 changes
- **MRC Nov. 16th**
 - **Endorsement of the package and Manual 13 changes**

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Summary of Maximum Emergency Changes for Resource Limitation Reporting



Member Hotline

(610) 666 – 8980

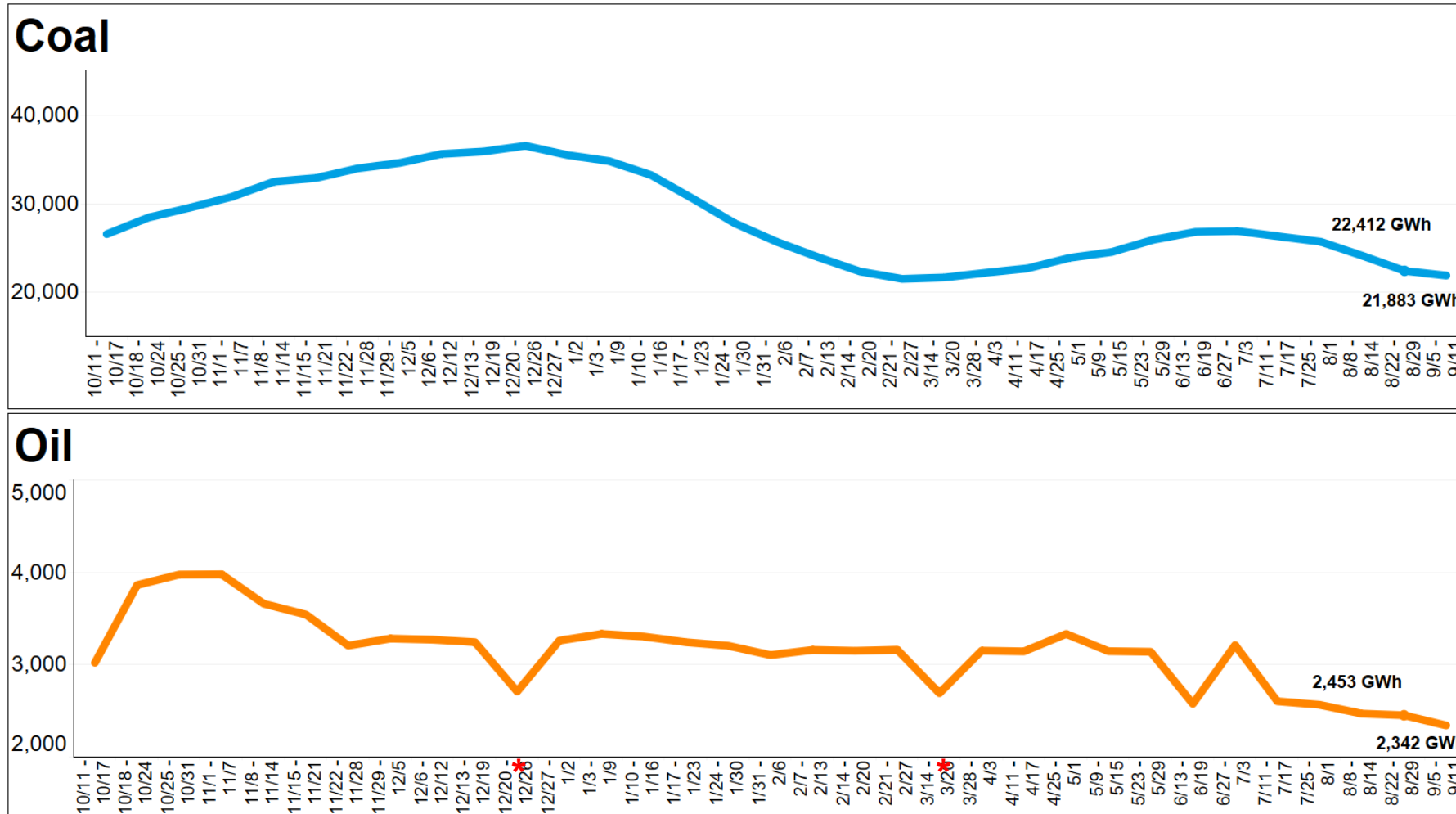
(866) 400 – 8980

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Appendix:



PJM bi-weekly posting: GWh of Fuel Inventory 9/12/22



This data is posted on the OC main page: <https://www.pjm.com/-/media/committees-groups/committees/oc/2021/20211202/20211202-item-14-weekly-fuel-inventory-update.ashx>

***A lower oil unit response rate for the indicated weeks impacted the inventory levels for those periods. The numbers on the chart only reflect data provided by units that submitted responses to the data request.**

- Maximum Emergency information is posted on Data Miner 2 in the “Daily Generation Capacity” report:
 - https://dataminer2.pjm.com/feed/day_gen_capacity/definition

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