



Maximum Emergency Changes for Resource Limitation Reporting

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Sr. Director, Operations Planning
Markets & Reliability Committee
September 21, 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>

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) with the following conditions:

1. PJM has not issued a Hot or Cold Weather Alert, Conservative Ops
2. If 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.
3. 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

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Summary of Maximum Emergency Changes for Resource Limitation Reporting

Member Hotline

(610) 666 – 8980

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Appendix

- **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
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Manual 13, Revision 80

Emergency Operations

Chris Piong

Operations Planning

Markets & Reliability Committee

October 20, 2021

- Section 6.4 Resource Limitation Reporting
 - Updated the Operation of Resource Limited Units when PJM will request or require units to be bid in Maximum Emergency category
 - Updated Exhibit 5: Resource Limitations Reporting

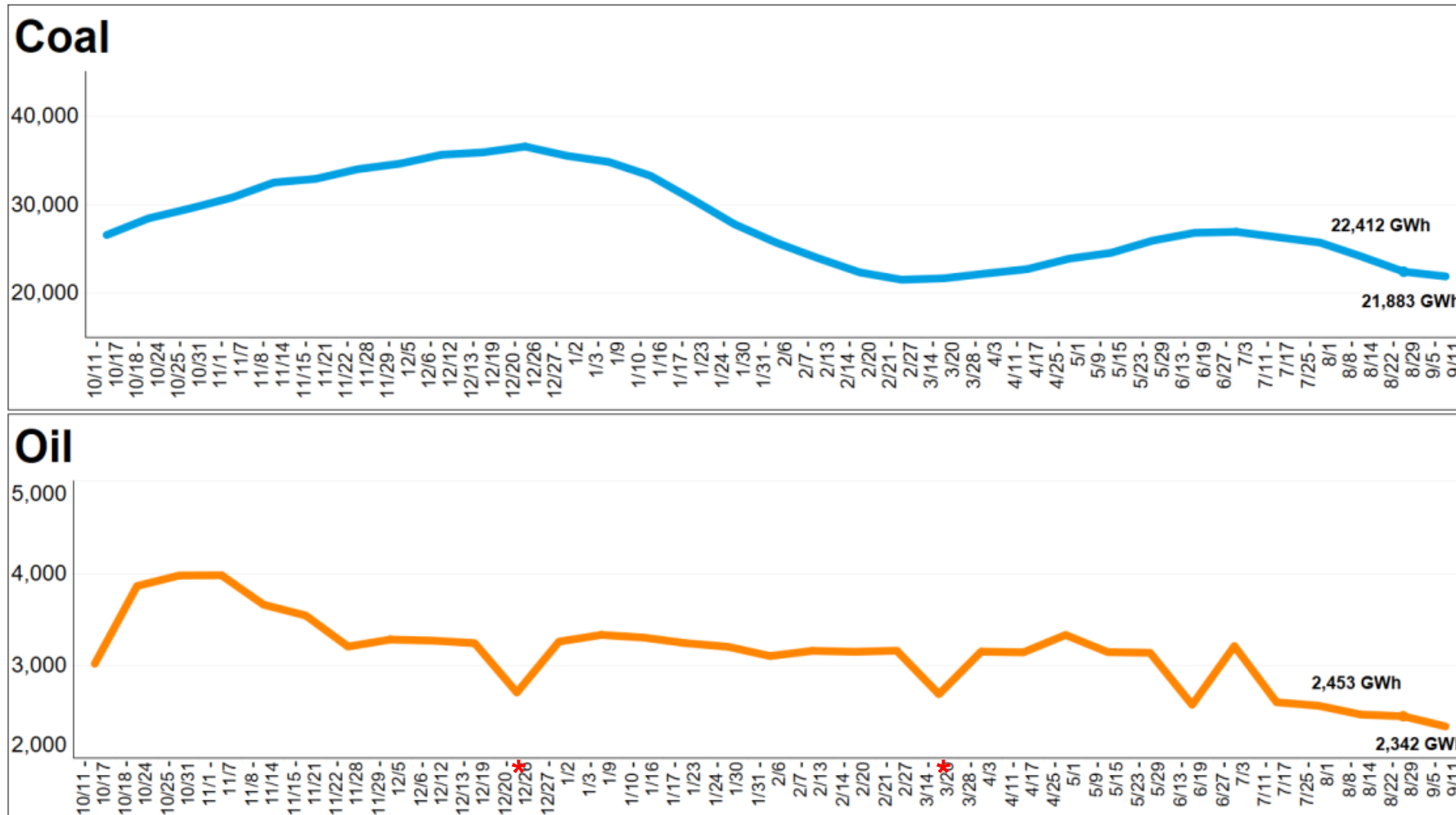
CT	< 72 hours	Report as Resource Limited in Markets Gateway
	< 24 hours	Update Max Run fields in Markets Gateway
	< 16 hours	Verbally notify PJM Master Coordinator
	< 16 hours	Can be placed in Max Emergency during normal operating conditions
	< 16 hours	Place in Max Emergency (if PJM issues Cons. Ops/Hot/Cold Weather Alert)
Steam	< 72 hours	Report as Resource Limited in Markets Gateway
	< 32 hours	Verbally notify PJM Master Coordinator
	< 32 hours	Can be placed in Max Emergency during normal operating conditions
	< 32 hours	Place in Max Emergency (if PJM issues Cons. Ops/Hot/Cold Weather Alert)
	< 24 hours	Update Max Run fields in Markets Gateway

- Section 6.4 Resource Limitation Reporting
 - Added Note under Real-Time Reporting section

NOTE: During the interim period expiring no later than April 1, 2022. PJM may request the resource owner to move fuel or emissions limited steam units into Maximum Emergency category if the resource's remaining run hours fall below 240 hours (10 days). Unless needed for reliability, the units would remain in Maximum Emergency status until their inventory rose above 21 days (504 hours). This would only be implemented to address concerns with local or regional reliability.



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.**

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(610) 666-2244 / it_ops_ctr_shift@pjm.com

