



Concept – Potential NPPR Related to Reliability Must Run (RMR)

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Planning Working Group (PLWG)
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1. Apply a minimum MW threshold of a Resource for the RMR reliability analysis. This is to improve the RMR reliability assessment process and efficiency.
 - The generation developments are more diverse and with smaller capacity. (see appendix)
 - A resource with small capacity is expected to have marginal or no reliability impact on the System.
2. Update Attachment E: Notification of Suspension of Operations (NSO)
 - Add a new field in the NSO form to indicate any impact on transmission facility owned by RE due to the NSO unit.
3. Change the RMR reliability analysis timeline to Business Day instead of calendar day.
 - Changing it to Business Day will provide flexibility to ERCOT and relevant TSP(s) to properly perform RMR reliability analysis, particularly during the holiday seasons.
 - This change is not expected to affect the overall schedule of the RMR process.

Next Steps

- Please send comments for the proposed changes in the previous slide to sunwook.kang@ercot.com by December 31, 2021
- Tentative Schedule:
 - Summarize the received comments at the future PLWG if needed
 - Prepare a NPRR submission in Q1 2022
- ERCOT also plans to work on the RMR process related to Energy Storage Resource (ESR) and potential protocol language revision request in 2022

Appendix: Number of Units Based on MW Capacity Range (Source: May 2021 CDR)

MW Capacity Range	Thermal Unit	Hydro	Wind	Solar	Storage	Planned Storage	Total	Total (with Planned Storage)
<=10	13	4	5	40	23*	17**	85	102
10~20	9	8	3	1	0	0	21	21
20~50	54	12	15	8	2	3	91	94
50~100	83	0	64	8	0	9	155	164
100~500	185	0	134	23	0	8	342	350
500~1500	27	0	0	0	0	0	27	27

* 16 units are DGR

** 13 units are DGR