



PGRR095:

**Proposed Minimum Percentage of Capacity
and Minimum Duration Threshold**

John Bernecker

Manager, Transmission Planning Assessment

PGRR095 Overview

- PGRR095, Establish Minimum Deliverability Criteria, introduces a new reliability criteria to ensure deliverability of applicable Resources under peak Load conditions
- Two thresholds are defined to implement the new criteria:
 1. Minimum percentage of capacity (applied to each applicable Resource)
 2. Minimum duration threshold (used to determine applicable ESRs)
- Revisions to these thresholds are proposed by ERCOT, recommended by TAC, and approved by the ERCOT Board
 - Similar to the process for revising the boundary threshold used for steady-state transmission planning load forecasts in Planning Guide Section 3.1.7

Minimum Percentage of Capacity

- The minimum percentage of capacity is applied to each applicable Resource simultaneously
- ERCOT conducted analysis for 2026 summer coincident peak conditions to inform its proposal

Minimum Percentage of Capacity Tested	Number of Projects Identified	Incremental Deliverable Capacity* (MW)
Base Case (No Minimum)	N/A	N/A
90%	1	~300
95%	2	~385
100%	6	~695

*Compared to base case.

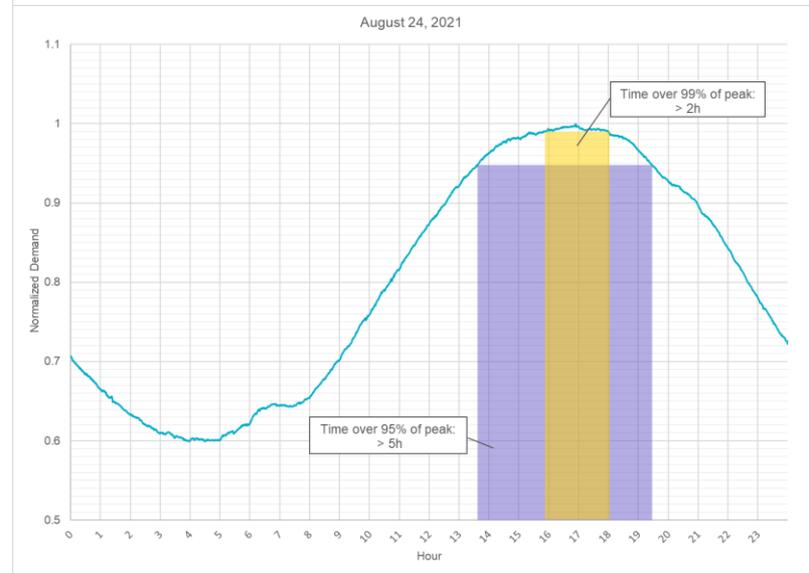
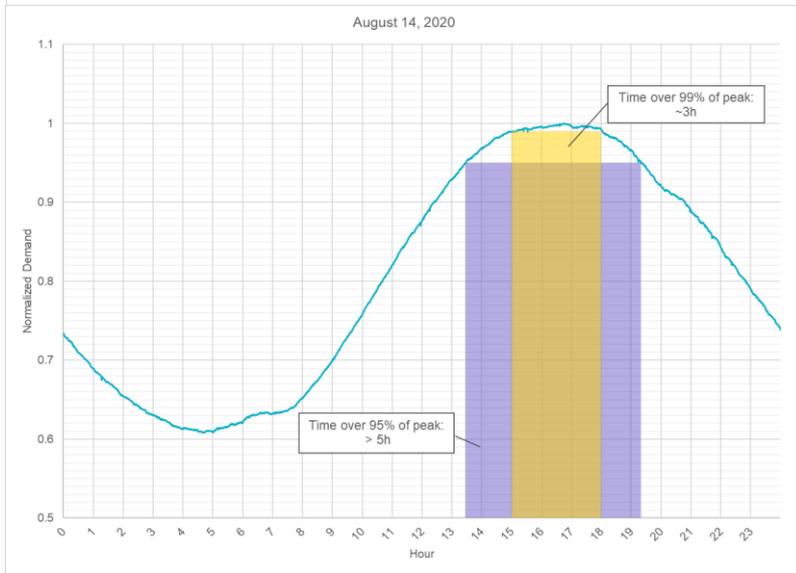
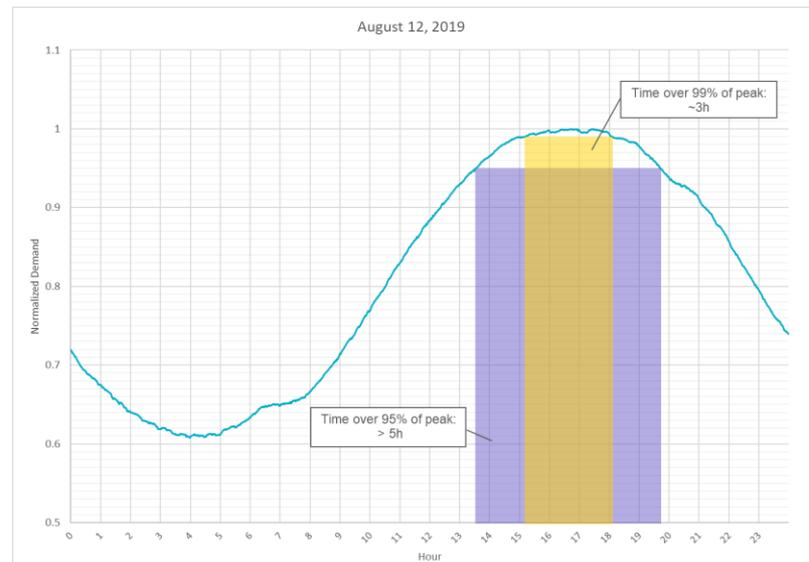
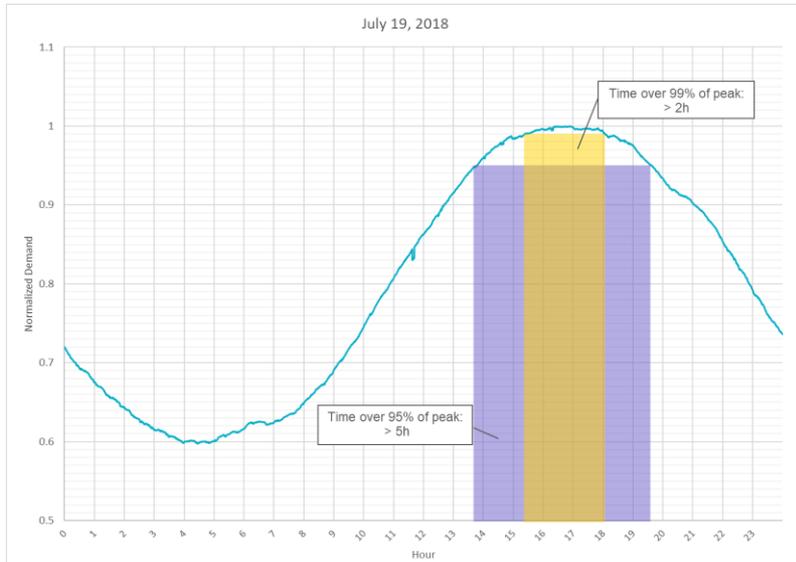
Minimum Percentage of Capacity

- Maximizing Resource deliverability is essential to maintaining reliability under system conditions with the potential for capacity shortages
- Policies to ensure sufficient “dispatchable generation” depend on the deliverability of those Resources
- ERCOT’s proposes 100% as the minimum percentage of capacity to serve expected coincident peak Load

Minimum Duration Threshold

- Energy Storage Resources (ESR) must meet a minimum duration threshold to be applicable for the minimum deliverability criteria
- ERCOT analyzed peak Load conditions from 2018-2021 to develop a proposal for the minimum duration threshold
 - Demand was at or above 99% of the peak Load value for over two hours for each of the years analyzed
 - Demand was at or above 95% of the peak Load value for over five hours for each of the years analyzed
- ERCOT proposes four hours as the minimum duration threshold

Minimum Duration Threshold



Request for TAC Recommendations

- ERCOT respectfully requests that TAC make the following recommendations for the minimum deliverability criteria established by PGRR095:
 - That the minimum percentage of capacity be set to 100% to serve expected coincident peak Load
 - That the minimum duration threshold be set to four hours