



ERCOT Request for Information

Reliability Standard Magnitude Load Shed 2024

TRANSMISSION OPERATOR

Transmission Operator Name:

REQUEST FOR INFORMATION

Electric Reliability Council of Texas, Inc. (ERCOT) is requesting information from all Transmission Operators (TO) in the ERCOT Region to inform its obligation pursuant to 16 Texas Administrative Code (TAC) § 25.508(b)(3) to file with the Public Utility Commission of Texas (PUC) by December 1 of each year “the maximum number of megawatts of load shed that can be safely rotated during a loss of load event and a summary of the methodology used to calculate this value.” The PUC will determine the magnitude criterion of the reliability standard for the ERCOT Region based on this information. Accordingly, responses to this request for information (RFI) will be publicly filed in the PUC’s project for the reliability standard.

For responses to this RFI, the values provided should be based on the Transmission and/or Distribution Service Provider (TDSP) load for which you are responsible in the winter load shed table established pursuant to ERCOT Nodal Operating Guide § 4.5.3.4.¹ Terms used in this RFI and in your responses have the meanings assigned by the definitions provided in Title 16, Chapter 25 of the PUC’s rules and the ERCOT Nodal Protocols; to the extent that the definitions in the rules and Protocols differ, the definitions in the rules control. Any assumptions should be explained in the narrative of the response.

“You” refers to the TO listed above.

Please provide all responses to these RFI questions in the attached Excel spreadsheet. RFI responses should be submitted to ERCOT via email to RFI@ercot.com.

RFI Issuance Date:	09/16/2024
Response Deadline:	10/07/2024 5:00 P.M.

¹ The current load shed tables are available on ERCOT’s website at: <https://www.ercot.com/gridinfo/load>.



ERCOT RFI

ERCOT requests the following information:

1.	<p>For a winter ERCOT System load level of 80,000 megawatts (MW) and an expected event duration of one hour:</p> <ul style="list-style-type: none">(a) State the maximum MW of load that you can safely include in a load shed rotation program during a loss of load event, while maintaining the minimum 25% Under-Frequency Load Shed (UFLS) obligation and not including critical natural gas facilities, critical load public safety customers, and critical load industrial customers in the load shed rotation program.(b) State the maximum MW of load that you could shed at any one time under your load shed rotation program, i.e., if the maximum MW that you can safely include in a load shed rotation program is 10,000 MW and your maximum rotation is 50% then the value provided would be 5,000 MW of load shed at any one time.(c) Explain in detail how these values were determined (e.g., whether any portion of the load shed must be rotated manually, the degree to which system segmentation is implemented, etc.).
2.	<p>For a winter ERCOT System load level of 80,000 MW and an expected event duration of four hours:</p> <ul style="list-style-type: none">(a) State the maximum MW of load that you can safely include in a load shed rotation program during a loss of load event, while maintaining the minimum 25% UFLS obligation and not including critical natural gas facilities, critical load public safety customers, and critical load industrial customers in the load shed rotation program.(b) State the maximum MW of load that you could shed at any one time during the first hour of the event under your load shed rotation program.(c) State the maximum MW of load that you could shed at any one time during the last hour of the event under your load shed rotation program.(d) Explain in detail how these values were determined.
3.	<p>For a winter ERCOT System load level of 80,000 MW and an expected event duration of 12 hours:</p> <ul style="list-style-type: none">(a) State the maximum MW of load that you can safely include in a load shed rotation program during a loss of load event, while maintaining the minimum 25% UFLS obligation and not including critical natural gas facilities, critical load public safety customers, and critical load industrial customers in the load shed rotation program.(b) State the maximum MW of load that you could shed at any one time during the first hour of the event under your load shed rotation program.(c) State the maximum MW of load that you could shed at any one time during the last hour of the event under your load shed rotation program.(d) Explain in detail how these values were determined.



ERCOT Request for Information

Reliability Standard Magnitude Load Shed 2024

4.	<p>For a winter 2026-2027 ERCOT System load level of 86,000 MW and an expected event duration then of one hour:</p> <ul style="list-style-type: none">(a) State the maximum MW of load that you can safely include in a load shed rotation program during a loss of load event, while maintaining the minimum 25% UFLS obligation and not including critical natural gas facilities, critical load public safety customers, and critical load industrial customers in the load shed rotation program.(b) State the maximum MW of load that you could shed at any one time under your load shed rotation program.(c) Explain in detail how these values were determined and explain the reasons that these values vary from the response to RFI Question 1.
5.	<p>For a winter 2026-2027 ERCOT System load level of 86,000 MW and an expected event duration then of four hours:</p> <ul style="list-style-type: none">(a) State the maximum MW of load that you can safely include in a load shed rotation program during a loss of load event, while maintaining the minimum 25% UFLS obligation and not including critical natural gas facilities, critical load public safety customers, and critical load industrial customers in the load shed rotation program.(b) State the maximum MW of load that you could shed at any one time during the first hour of the event under your load shed rotation program.(c) State the maximum MW of load that you could shed at any one time during the last hour of the event under your load shed rotation program.(d) Explain in detail how these values were determined and explain the reasons that these values vary from the response to RFI Question 2.
6.	<p>For a winter 2026-2027 ERCOT System load level of 86,000 MW and an expected event duration then of 12 hours:</p> <ul style="list-style-type: none">(a) State the maximum MW of load that you can safely include in a load shed rotation program during a loss of load event, while maintaining the minimum 25% UFLS obligation and not including critical natural gas facilities, critical load public safety customers, and critical load industrial customers in the load shed rotation program.(b) State the maximum MW of load that you could shed at any one time during the first hour of the event under your load shed rotation program.(c) State the maximum MW of load that you could shed at any one time during the last hour of the event under your load shed rotation program.(d) Explain in detail how these values were determined and explain the reasons that these values vary from the response to RFI Question 3.