

## ERCOT Energy Emergency Alert Communications

Emergency Levels*	Trigger	Grid Operators' Actions	Automated Emergency Notifications	Follow-up Communications from External Affairs	Media/Public Notifications
Normal Conditions	Reserves >3,000 MW	Normal operations			
Control Room Advisory	Reserves <3,000 MW	Issue "Advisory" to utilities — informational only — no additional authority for operators' actions.	Public Utility Commission of Texas (PUC) and NERC regional entity (TRE) notified via daily emails; operations notices at Control Room discretion.		
Control Room Watch	Reserves <2,500 MW	Use quick-start capacity and non-spinning reserves (available within 30 minutes).	Automated Emergency Notification System phone call and email to PUC staff, the independent market monitor (IMM), TRE and FERC; operations notice at Control Room discretion.	If potential emergency situation, additional information sent to the Grid Emergency email lists (SOC, PUC, OPC, RRC, TCEQ, Board, Govmt/Lege, IMM, TRE, FERC, and Market Participants' media contacts/PIOs)	Consider Conservation Alert to support grid reliability.
Conservation Alert	As needed to encourage conservation when tight operating reserves are a concern	Monitor need for additional generation and voluntary demand response resources.	None -- conservation messages entered and deployed manually in non-emergency situations.	Coordinate public notification with PUC staff; notify media of change in conditions.	Spotlight on home page of ercot.com and mobile app; social media, app messages and/or news release
Energy Emergency Level 1 POWER WATCH - Conservation Needed (appeal optional if situation short-lived)	Reserves <2,300 MW and not expected to be recovered within 30 minutes	Use capacity available from other grids (via asynchronous connections; 500 MW on average) and commit all available units; implement weather-sensitive and 30-minute ERS resources if needed	Above plus State Operations Center (notifies city, county officials & law enforcement), Office of Public Utility Counsel, govmt/lege staff and ERCOT Board; media contacts for utilities	If needed, notify Grid Emergency lists with additional information.	News release, if appropriate; Emergency Alerts list, <sup>***</sup> Twitter and Facebook, mobile app alerts; spotlight on ercot.com and mobile app
Energy Emergency Level 2 POWER WARNING - Conservation Critical	Frequency cannot be maintained above 59.91 Hz or Physical Responsive Capability (PRC) <1750 MW and not expected to be recovered within 30 minutes	Deploy demand response resources: Load Resources under contract (1,000 MW on average) and/or Emergency Response Service** (400-500 MW on average), in either order. Begin block load transfers of load to other grids if appropriate.	Above plus major news services and media contacts for utilities	Same as above	News release, if appropriate; Emergency Alerts, Twitter and Facebook, mobile app alerts, spotlight on ercot.com and mobile app
Energy Emergency Level 3 POWER EMERGENCY - Rotating Outages	Frequency cannot be maintained above 59.8 Hz or PRC <1000 MW and not expected to be recovered within 30 minutes	Instruct transmission operators to implement rotating outages. Areas affected are at the discretion of the utilities.	Same as above	Same as above	News release; Emergency Alerts list, Twitter and Facebook, mobile app alerts, spotlight on ercot.com and mobile app

\*Depending on system conditions overall, ERCOT Operations has some discretion regarding emergency levels and specific actions, based on these guidelines.

\*\*Emergency Response Service (ERS) may include 10-minute, 30-minute and Weather-Sensitive Demand Response resources.

\*\*\*Sign up for Emergency Alerts and News Bulletins list at <http://lists.ercot.com>