

ERCOT Load Resource (LR) Overview

10 Minute Responsive Reserve Ancillary Service Program

Minimum Size	Minimum load reduction offer of 100 kW.
Participation	Year-round, 24 hours per day.
Enrollment Deadline	No deadline; Customer must first be registered as a Resource with ERCOT which can take 90+ days
Metering / Direct Load Control (DLC)	Two second demand data (provided by CPower monitoring solution) and an under-frequency relay are ERCOT requirements. Customers must have DLC via CPower monitoring solution.
Duration of Load Response Events	Customers may be called to curtail load for several hours.
Notification	Customers will be notified of certain events via email, phone, and/or electronic signal per customers' contracted instructions and must fully curtail within 10 minutes of start of event. Deployments can be either all LRs currently committed or a subset. Immediate curtailment via Under Frequency Relay (UFR) upon system frequency reaching 59.7 Hz for 20 cycles.
Testing	At a minimum, a 15- to 30-minute test event will be called once a year absent successful event deployment.
Compliance	Customers must meet their performance obligations during events and test events and availability requirements all other committed times.
Capacity Payments	Customers receive recurring monthly payments for committing load to the program. The payment is based on either a fixed price or hourly market rates varying by market conditions and ERCOT curtailable load requirements.
Settlements	Customers receive monthly payments within 30 days of end of month.
Consequences of Non-Performance	Customer failure to curtail load results in suspension, termination and/or penalties. Fixed Price customers will be required to pay replacement costs if unable to participate in the market.

<3,000 MW Reserves For 30 Minutes	ERS 10/30 may be called at this point.
Conservation Alert	ERCOT may call upon consumers to take steps to consume power by reducing consumption.
EEA 1	Texas Electricity Conservation Needed: ERCOT operator's authority to call on all available power supplies.
EEA 2	Conservation Critical; Risk of Rotating Outages: ERCOT escalates to a Power Warning, which allows ERCOT operators to dispatch Load Resources providing Responsive Reserve Service
EEA3	Rolling blackouts to all areas of ERCOT grid: If the capacity shortage is not relieved using voluntary and contractual demand response, ERCOT will instruct utilities to rotate power outages to prevent statewide blackouts

Event History			
YEAR	System-Wide VDI Events	System-Wide UFR Events	Local UFR Events
2015	0	0	1
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021	1	0	0
2022*	0	1	0