



ERCOT Non-Spinning Reserves

A demand-side program now offers Texas organizations the best of ERCOT's demand response programs.

ERCOT's Non-Spinning Reserves program offers organizations seeking to earn money for using less electricity when the grid is stressed or prices are high a great balance between the market's existing demand response programs—Emergency Response Service (ERS) and Load Resource (LR).

With Non-Spinning Reserves, organizations have a 30-minute curtailment notification window just as they do with ERS-30. Unlike LR, however, there is no under-frequency relay (UFR) requirement, meaning there is no scenario in which the organization's power can be shut off as is possible with the LR program.

To top it all off, the Non-Spinning Reserves program pays as much as ERCOT's lucrative LR program and about \$40,000/MW year more than the ERS program.



How much could your organization earn with Non-Spinning Reserves in ERCOT?
Contact CPower today and let us help you find out.

What are Non-Spinning Reserves?

The non-spinning reserve is the extra capacity that is not currently connected to ERCOT's system but can be brought online after a short delay.

Non-Spin can be started or interrupted within 30 minutes to help the grid operator replace a loss of generation capacity, address the risk of net load ramps, cover net load forecasting error, or address any other condition that leads to a limited amount of available capacity.

Why has ERCOT introduced the Non-Spinning Reserve Program for load resources?

Not only is the Non-Spinning Reserve Program helping keep the Texas grid resilient, but it is also helping the grid evolve to a more sustainable future.

ERCOT has taken steps to ensure the tragic grid failure that took place in February 2021 never happens again.

One of these proactive measures includes procuring 6,500 MW of non-spinning reserve generation in the day-ahead market and up to an additional 1,000 MW on days with high demand forecasted or uncertainty such as an estimated lack of wind or sun that, in turn, leads to wind and solar resources being unable to produce electricity.



How much could your organization earn in ERCOT's Non-Spinning Reserves Program?

Call us at [844-276-9371](tel:844-276-9371) or visit CPowerEnergyManagement.com/contact to find out.

Who can participate in ERCOT's Non-Spinning Reserves program?

The Non-Spinning Reserve program is available to commercial and industrial organizations in the ERCOT territory that meet the program's parameters. The program is ideal for organizations who seek to earn about \$40K more per MW/year for their demand response participation than they would in the ERS programs and who don't mind the potential of being dispatched more often than they would in either ERS or LR. The Non-Spinning Reserves Program is also a good fit for organizations that enjoy the earnings LR provides but don't want a UFR to be required for demand response participation.

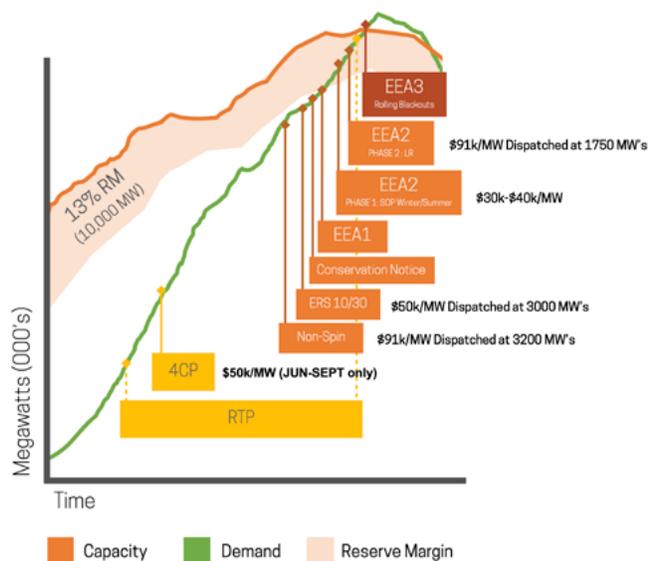
Why is now a great time to participate in the Non-Spinning Reserves program?

By participating in ERCOT's Non-Spinning Reserves program, your organization is helping the grid AND helping reduce proration—i.e., the dilution of earnings as more loads participate—across ERCOT's other demand response programs.

That means your organization is helping pave the way for MORE of your fellow Texas organizations to participate in demand response and earn premium revenue for helping the grid when it needs a boost from the demand-side.

ERCOT's Arsenal for Grid Defense

Non-Spinning Reserves is the first ERCOT demand response program to be called in the event the grid's reliability is threatened.



Parameter	Emergency Response Service	Load Resource (RRS)	Non-Spinning Reserves
Notification Window	10 & 30 minute options	10 minute or instantaneous UFR trip	30 minute
Participation/Enrollment	4 contract terms annually with 8 time periods	Offer into day-ahead market. Enrollment any time throughout the year.	Offer into day-ahead market. Enrollment any time throughout the year.
Metering & Telemetry Requirements	15 minute utility interval meter	2 second telemetry with UFR requirement	2 second telemetry without UFR requirement
Event History	2014: 1 event for 1 hour. 2019: 2 events for ERS 30 avg 1.5 hrs. 2021: 1 event for 12 hours.	2014: 1 event for 1 hour. 2021: 1 event for 104 hours.	2019: 2 events for avg 2 hours. 2020: 1 event for 4.5 hours. 2021: 7 days of events in Feb. 2 events in April for avg 2.5 hrs. 2 events in June for avg 3.5 hours.
Dispatch Trigger	3,000 MW of reserves not expected to recover within 30 minutes. Post Non-Spin. Prior to public conservation notices.	EEA 2 (1,750 MW reserves) or UFR trip at 59.7 Hz for 20 cycles.	Varying conditions and can be deployed at ERCOT discretion. (3,200 MW reserves deploy partial non-spin. 2,500 MW reserves deploy all non-spin.)
Testing	Annual 30 minute test.	Annual 30 minute test.	Annual 30 minute test.
Value	\$50/MW-year	\$50-\$100k/MW-year avg depending on price and proration	Averaging \$91k/MW year since increase procurement in July 2021. Historically averaged between \$25k/MW-year and \$135k/MW-year.
Proration	No, but increased participation leads to decreased pricing.	Yes, currently averaging between 65%-85% MW awarded.	Potentially if significant MW of LR/NSRS participate.
Non-Performance Consequence	Decreased Payment. Potential PUC fines.	Potential SASM opened up in Real-Time. Potential PUC fines.	Potential SASM opened up in Real-Time. Potential PUC fines.
RTPA Charge During Event?	No	Yes	Yes