

Creating the Customer Powered Grid Across Texas

Demand-Side Management Options in ERCOT

To maintain grid reliability and help organizations in Texas offset their energy use and spend, ERCOT offers the following demand-side energy management programs:

Demand Response Programs

• Emergency Response Service (ERS)

ERCOT's entry-level demand response program, ERS pays organizations for using less energy when the grid is stressed or when electricity prices are high. There are two types of ERS programs: ERS 10 and ERS 30, which pay businesses for being available to curtail their energy loads within 10 and 30 minutes.

Load Resource (LR)

LR is one of the more financially rewarding ERCOT programs with the potential for revenue upside depending on market conditions. If more than the procurement limit clears the market, then proration will be triggered.

SOP Utility Program

Like ERS, this is a grid defense program used prior to ERCOT emergencies. Utilities offering this program (Oncor and CenterPoint) have different MW targets and budgets for curtailment and payments. There are summer and winter options and each run 24/7.

• ERCOT Contingency Reserve Service (ECRS)

One of the newest and most valuable programs in ERCOT, ECRS is similar to LR with a required response time of 10 minutes. An under frequency relay (UFR) is not required to participate, but it is allowed.

Demand Management Programs

4CP Management

Every month your business is charged a fee—called a peak charge or, more specifically in Texas, a 4CP charge—based on how much electricity an organization consumed during the period when electricity demand on the grid was at its highest. 4CP management involves curtailing energy consumption during periods of peak system load, thereby lowering 4CP value, which in turn reduces 4CP power charges the following year.

ERCOT Sequence: "Arsenal" for Grid Defense



Contact CPower's Texas team to learn more: 844-276-9371

