



## MISO Demand Response Programs

### Demand Response Resources

Offset rising capacity prices by earning revenue for using less energy, achieve your ESG goals, and help make your community more sustainable. **CPower** can show you how to do it all with demand response.

In April 2022, MISO announced capacity shortfalls across of the northern portion of territory, resulting from both generation retirements and increasing peak demand which caused capacity pricing to spike.

As a result, greater reliance on imports from neighboring regions and emergency operations will be needed to maintain reliability in the face of potential power shortages.

While not all customers may be exposed to these high prices, participation in MISO's demand response programs can help organizations offset them while providing MISO with the resources necessary to maintain reliable grid operations.

### What is Demand Response?

Demand response programs pay organizations for using less energy when electric demand on the grid exceeds the grid operator's ability to supply it or when electricity prices are high.

When notified, participating organizations reduce their electric consumption according to a predetermined curtailment plan and receive compensation for their efforts.

### How does demand response participation increase an organization's sustainability profile?

By participating in demand response, organizations in the MISO territory are effectively reducing their carbon footprint by helping the electric grid stay balanced without having to burn fossil fuels to produce electricity.

CPower can help organizations track how much carbon dioxide pollution their facility is helping the grid avoid by participating in demand response.

## Who is eligible to participate in MISO demand response programs?

Demand response participation is open to industrial, healthcare, government, education, and other commercial sectors in the MISO territory.

CPower’s team of engineers can assess your facilities to determine how to help your organization optimize your demand response participation and maximize your earnings.

	Demand Response Resource (DRR) Energy Market Participation	Demand Response Resource (DRR) Synch Reserves Market Participation
Location	Ameren Illinois and Michigan (MI limited to only customers taking electric service through an Alternative Energy Supplier)	Ameren Illinois and Michigan (MI limited to only customers taking electric service through an Alternative Energy Supplier)
Minimum Size	1 MW (Grouping is allowed by CP-Node)	1 MW (Grouping is allowed by CP-Node)
Participation	Bids are submitted daily into the Day -Ahead and/or Real-Time markets on an hourly basis.	Bids are submitted daily into the Day -Ahead and/or Real-Time markets on an hourly basis.
Number & Duration of Events	Must be available to curtail amount offered as available for the maximum number of hours indicated in daily offers.	Must be available to curtail amount offered as available for the maximum number of hours indicated in daily offers.
Notification	Customers participating in the Day -Ahead market will receive hourly schedules based upon awarded offers once the Day -Ahead market clears. Customers may adjust schedules in the Real -Time market.	Customers participating in the Day -Ahead market will receive hourly schedules based upon awarded offers once the Day -Ahead market clears. Customers may adjust schedules in the Real -Time market. Customers must be available within the notification time for the ancillary service product for which bids have been submitted (10 or 30 minutes for reserve products).
Compensation	Paid the Day-Ahead LMP for hours during which offers submitted have cleared (subject to the Net Benefits Threshold test).	Paid based the Day -Ahead market clearing price for the applicable ancillary services product offered x MW offered/awarded, plus energy payments for MWh delivered when dispatched.
Baseline	DRRs use a Demand Reduction (consumption) baseline calculated for each hour when scheduled to provide energy, with optional adjustments for weather sensitivity or other anomalies.	DRRs use a Demand Reduction (consumption) baseline calculated for each hour when scheduled to provide reserves, with optional adjustments for weather sensitivity or other anomalies.
Settlements	Customers are paid annually their portion of the net energy market payments for all hours in which the DRR has cleared offers in the energy market.	Customers are paid annually their portion of the net ancillary service and energy payments for all hours in which the DRR has cleared offers in the ancillary services market.
Compliance	Customers are required to curtail at least their committed load (offered daily) during hours in which offers have cleared.	Customers are required to curtail at least their committed load (offered daily) during events.
Consequences of Non-Performance	Penalties are assessed for underperformance when dispatched for energy. Penalties are calculated hourly, with the formula (Scheduled MW - Delivered MW) x Real -Time LMP.	Penalties are assessed for underperformance when dispatched for reserve products. Penalties are calculated hourly, with the formula (Scheduled MW - Delivered MW) x Real Time LMP.
Testing	DRR participating in the energy market must complete a pre - qualification test prior to entering the market, and are subject to annual testing requirements once participating.	DRR participating in the ancillary services market must complete a pre - qualification test demonstrating ability to respond within the notice time applicable to the ancillary services product(s) for which it intends to qualify prior to entering the market, and are subject to annual testing requirements once participating.
Enrollment Deadline	Rolling deadline of 30 -days prior to the MISO Commercial Model Update that falls on the first day of the first month of each calendar quarter	Rolling deadline of 30 -days prior to the MISO Commercial Model Update that falls on the first day of the first month of each calendar quarter
Metering	DRR must have a 5 -min interval meter either through their utility or CPower. Generation resources must be directly metered.	DRR must have a 5 -min interval meter either through their utility or CPower. Generation resources must be directly metered.

How much can your organization earn and how can your organization increase its sustainability profile by participating in demand response in MISO?

Call us at **844-276-9371** or visit [CPowerEnergy.com/miso](http://CPowerEnergy.com/miso) to find out.