

Emergency Demand Response Programs



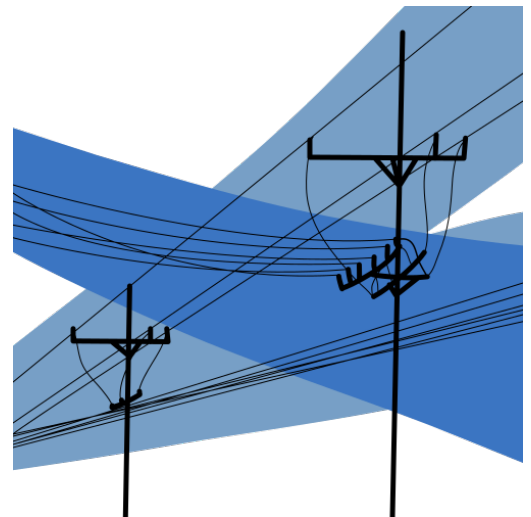
MICHIGAN STATE
UNIVERSITY



U.S. DEPARTMENT OF
ENERGY

Overview

Our growing reliance on electricity puts a strain on the power grid, especially during peak hours. This strain is exacerbated by extreme weather events and can lead to blackouts. To combat this issue, utilities have developed a solution: **emergency demand response programs!** These programs are a team effort between utility companies and consumers to keep industrial and commercial facilities across the electrical grid up and running. Here's how it works:



- **Pre-announced "event days"**: You know in advance when short periods of reduced energy use are needed, offering the chance to plan operations accordingly.
- **Reduce, Earn, Repeat**: During these times, you temporarily cut back on power usage. In return, you'll receive rewards such as bill credits or lower electricity rates.
- **Win-Win Scenario**: By working together, we can prevent blackouts and ensure a reliable energy supply for everyone, while saving money.

Ready to be a grid hero? Scroll down to see a list of utility providers in Michigan offering emergency demand response programs. Join the effort and start saving today!

Don't see your provider listed? Many utilities offer similar programs. Contact your utility company directly to inquire about their emergency demand response options.

Michigan Programs

Consumers Energy

Criteria

- Must be Consumers Energy customer
- Reach out to your utility representative to see if your load qualifies

Benefits

- Annual billed credit for enrolling (\$25 per kilowatt pledged to reduced)
- Additional bill credits for reducing energy during events ([average \\$11,657 in 2020](#)).

For More Info

[Consumers Energy-Commercial & Industrial Demand Response](#)

DTE

Criteria

- Reach out to your DTE Account Manager to discuss a change in billing rates and qualifications if interested to get your company enrolled
- Six additional flexible programs to choose from:
 - Smart Currents- Installation of smart thermostat (provided for free)
 - Smart Savers- Has an existing smart thermostat
 - Cool Currents- Central air conditioning or heat pump
 - Water Heating Service- Minimum of a 40 gallon electric water heating tank
 - DTE Smart Charge- Own electric/plug-in hybrid electric vehicle
 - Dynamic Peak Pricing- DTE customer and own a smart meter

Benefits

- Demand response rate is offered as a rider alongside your standard rate code, giving a discount on the cost of electricity to reflect participation. Contact your DTE account manager to discuss change in billing rates
- Six additional programs:
 - Smart Currents- Free smart thermostat and annual \$25 billed credit
 - Smart Savers- Annual \$50 billed credit
 - Cool Currents- Discounted rate, save up to 32% on cooling portion of your bill
 - Water Heating Service- Discounted rate
 - DTE Smart Charge- Gift card up to \$100
 - Dynamic Peak Pricing- Lower rates during off-peak hours and weekends

For More Info

[DTE-Interruptible Demand](#)

[DTE-Demand Response to Lower Your Energy Costs](#)

**Indiana
Michigan
Power
(I&M)**

Criteria

- Can be industrial or commercial customer.
- Business qualifies for service under I&M's Emergency Demand Response Service Rider (determined with the help of an I&M Customer Service Representative).
- Have a meter capable of recording interval data.

Benefits

- Monthly payment for enrolling, even in months without event days.

For More Info

[Indiana Michigan Power-Emergency Demand Response](#)

**Alger Delta
Electric**

Criteria

- Can be industrial or commercial customer.
- Average peak monthly demand of at least 1,000 kW.
- Ability to shed a minimum of 500 kW during interruptions.

Benefits

- Guaranteed monthly credit regardless of interruptions.
- Flexible contracts (5 or 10 years).

For More Info

[Alger Delta Electric-Interruptible Load Credits](#)

**Michigan
Gas
Utilities**

Criteria

- Limited availability → a representative will review the application to determine if your company qualifies, if there are spots available in the program.

Benefits

- Maintain control of your thermostat during events.
- Chance to win a \$50 gift card at program start and a \$25 gift card at the end of heating season (March 31st).

For More Info

[Michigan Gas Utilities-Gas Demand Response Pilot Program](#)

UPPCO

Criteria

- Be an UPPCO customer on specific rates (WP-3 or CP-U).

Benefits

- Reduced electricity costs through lower rates (specific rates depend on your chosen tariff).
- Option to manage interruptible loads across multiple facilities (requires a separate service agreement).

For More Info

[UPPCO-Interruptible Demand Response](#)

NIPSCO

(Applies to
Northern
Indiana)

Criteria

- Be a NIPSCO electric customer on specific rates (523, 524, 525, 526, 531, 532, or 533).
- Meet MISO's requirements for participation. There are three participation categories:
 - Asset Owner (AO): Owns and controls the resource used for electricity reduction.
 - Non-Asset Owner (NAO): Doesn't own the reduction resource but can still participate.
 - Aggregator of Retail Customers (ARC): Aggregates multiple customers to meet minimum program requirements.

Benefits

- Earn credits on your electricity bill for reducing usage during peak times.
- Specific credit structure varies depending on your participation category:
 - AOs receive weekly net bill credits/charges based on settlements with MISO (independent system operator managing the electricity market).
 - NAOs receive monthly net bill credits/charges.
 - ARCs receive net credits/charges after each month based on settlements.

For More Info

[NIPSCO-Emergency Demand Response](#)

Ways to Reduce Energy Use During “Event Days”

- Use generators to offset power needs
- Adjust thermostats in non-essential areas
- Turn off or dim lights wherever possible
- Unplug unused electronics
- Shift when certain systems or equipment operate to off-peak hours

Helpful Resources

[DOE-Demand Response in Industrial Facilities](#)

[DOE-Demand Response](#)

[Demand Responsive and Energy Efficient Control Technologies
and Strategies in Commercial Buildings](#)

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