Demand Response Solutions

Air Conditioning/Thermostat Control

Water Heater Control

Legacy Load Management Migration

Demand Response

Dual Fuel Heat Pump & Resistive Heat Control

System Engineering & Planning

Prepaid Metering

Substation Automation

Consumer Portal

Commercial & Industrial Load Control

Professional Services

Smart Grid

Demand Response

Integration and Agricultural Control

Electric Vehicle Supply Equipment

Network Communications Solutions

Advanced Metering Infrastructure

Yukon Enterprise Software

Distribution Automation

Real-time Demand Response is modular and scalable with two-way verification.

Striking the balance is never easy. Managing your energy purchases, system peaks, renewable integration and market exposure effectively is a significant business challenge. At the same time, you need to leverage existing assets, obtain an attractive return on investment and minimize your risk strategy. Eaton's Yukon® Demand Response Module is the solution to balance your short-term and long-term smart grid needs.

Manage system load changes while managing the bottom line.
Demand Response programs are both fiscally and environmentally responsible. We will work with you to achieve sustainability goals, better manage peak demand, identify cost savings and improve reliability. Eaton's smart grid network increases the opportunities and long term cost effectiveness for demand response programs. Yukon provides the ability to deploy Direct Load Control, Behavioral Energy Efficiency and support Time of Use/Critical Peak Pricing (TOU/CPP) programs.

Smart two-way communication.
Eaton supports two-way communications via Eaton's Smart Grid network and the consumers' WiFi. With two-way communications, you know the total expected participation at any given time and can track actual participation in the program. Additionally, you can minimize field visits by monitoring load control switch status, health, and configuration. Take full advantage of real-time benefits in an open market place.

Protect your investment with modular design.
Yukon allows us to offer a completely integrated group of applications all on one software platform. It serves as the foundation upon which a utility can build, implement and manage a smart grid—without bolting together multiple, disparate software systems. More than 300 utilities

across North America employ it in secure IT infrastructures as either a local enterprise solutions or in a hosted cloud environment. Whether your needs are energy efficiency, load shifting, reserves or market price mitigation, Eaton's Demand Response solution is the right choice.

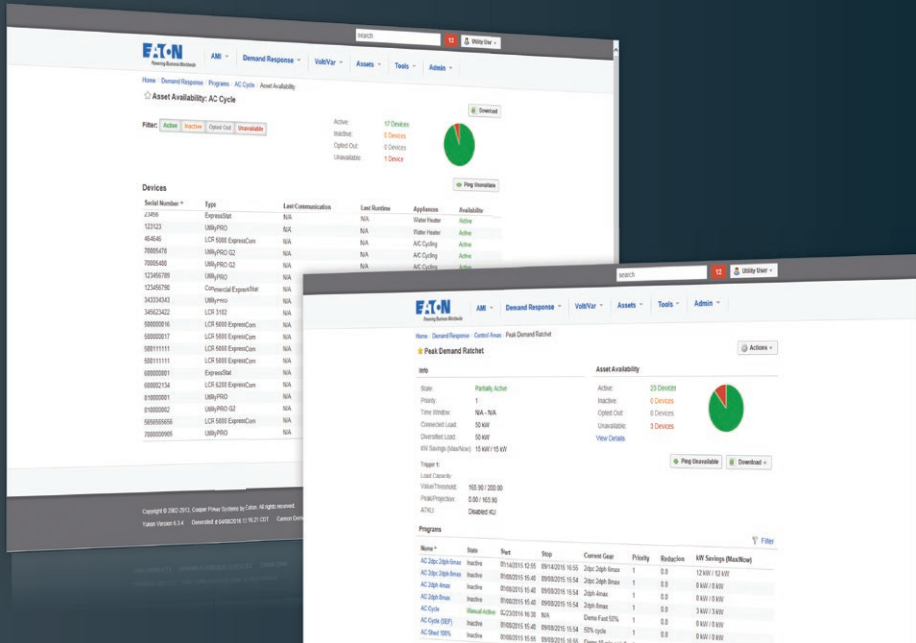**Put best practices to work for you.**
Eaton believes that a blended approach to Demand Response and energy efficiency is needed. We combine direct control of appliances through load control switches and thermostats with indirect methods such as consumer portals. Drive energy efficiency and fully engage your customers with Behavioral Energy Efficiency programs, increase your customer's awareness and have them shift their demand when needed.
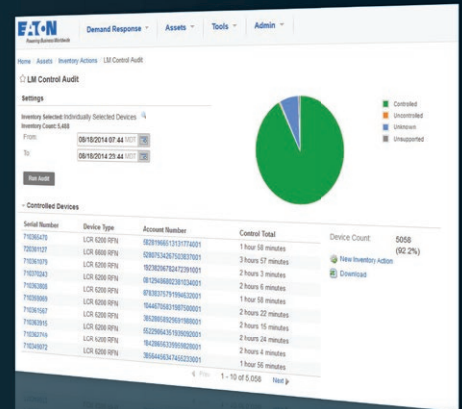
F·A·T·N

Powering Business Worldwide

Effective tools to manage your load curve with confidence.

Easily manage field devices with detailed two-way status and tracking information

Quickly validate participation in each event and identify disconnected devices

Fine-tune event strategies to meet peak reduction goals with minimal customer impact

Customer engagement makes for good business.

Eaton's proven effective Demand Response solution gives your customers the ability to actively engage with you in managing system peak demand and energy costs.

Supported Devices:

- HVAC load control switch
- Water heater/Pool pump load control switch
- Irrigation load control switch
- Commercial controls
- Eaton paging thermostats
- 3rd party WiFi thermostats

Communication offerings:

- Eaton smart grid network
- WiFi
- Cellular
- Zigbee
- One-way paging
- PLC

Key features:

- TrueCycle adaptive cycling
- Under frequency/voltage control
- Cold load pickup
- Runtime interval data
- Shed time data
- Multi-level device groups
- Price level control

Protocol Support:

- Eaton proprietary
- 3rd party proprietary
- OpenADR
- MultiSpeak
- Smart Energy profile

Resource Management Options:

- Adaptive cycling
- Pre-cooling
- Auto Demand Response
- Fast Demand Response

Dispatch load accurately to meet your utility's requirements for:

- Capacity
- Peak demand changes
- Market participation
- Ancillary services

Leverage Eaton's industry-leading technology.

Eaton can provide weather sensitive forecasts for each appliance and customer category. Utilizing live weather data, the forecast is calculated at the base program level and rolled up to full system potential. Forecasting accurate load reduction based on historical trends and available assets in real-time is within your reach. Additionally, our demand response products include advanced control algorithms and patented power quality protection features. Eaton's smart algorithms adapt each device to each customer's profile and Yukon provides Auto Demand Response control options to support tariff based Demand Response including Time of Use (TOU) and Critical Peak Pricing (CPP).

Eaton's Yukon Smart Grid Application Platform has the unique advantage of providing utilities with the tools required for today, combined with flexibility and expandability for tomorrow.

Eaton.com/smartgrid

Follow us on social media to get the latest product and support information.

F·A·T·N
Powering Business Worldwide