



Knowledge to Shape Your Future

solution overview

Proactively manage peak load with demand response

In today's interdependent and sometimes volatile energy market, matching the energy produced and delivered with what businesses and consumers actually need is the key to ensuring a reliable supply of affordable power.

To achieve this critical balance, energy providers and users must work together in partnership. Both must have timely knowledge of when and how energy is used. Both must also possess the means to make smart energy delivery and usage decisions in response to market signals and system conditions.

Itron Load Management solutions deliver the knowledge that not only empowers proactive load management and demand response, but also enables energy providers and energy users alike to see and measure the results of their efforts. As a result, energy supply and demand stay in step with one another, efficiency and reliability are increased, gross margins are protected, and businesses and consumers are empowered to control their energy usage and costs.

Load Management and Curtailment Solution



load management and curtailment

Utilities and energy service providers

Curtailment solutions from Itron give utilities and energy service providers a set of powerful Internet-based tools to design, issue, monitor and settle load curtailment events. This fully integrated, real-time, energy procurement system allows providers to purchase greater demand reductions at lower cost, expand the number of participating customers, increase customer satisfaction and participation, and reduce both their price exposure risk and that of customers.

Enterprise customers

When a utility or energy service provider initiates a curtailment event, Itron enables large customers to instantly receive notification by both page and e-mail with web links to evaluate offers to shed load. This allows the end-customer to react quickly and easily to rapidly changing market conditions. Through a customized Web page, operators and customers have access to real-time energy usage information and can take full advantage of incentive programs to better match supply and demand, and maintain system reliability.

system features



Internet-based solution for C&I customer curtailment programs

Residential energy management and internet-controllable thermostat program

Verify participation and actual load reductions

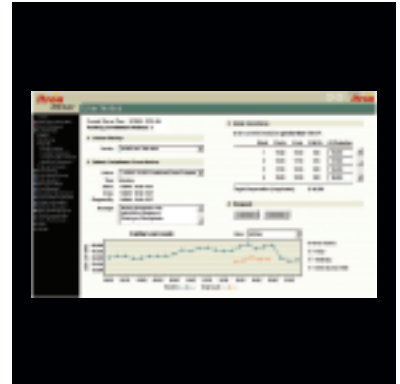
Two-way communications

Refined knowledge of price response profiles

Positive, confirmable program compliance

With Curtailment solutions from Itron, you can:

- > Notify
 - When demand for energy begins to outpace supply, service providers can immediately notify customers of a curtailment event by page and e-mail. Notices can be issued to many customers simultaneously, and even targeted to specific groups based on program type, location and energy price.
- > Respond
 - Customers (users) can quickly respond to a curtailment notice by logging into a customized Web page via the Internet. Users see the program details and a baseline established for the current event using their individual load history. With a simple click of the mouse, they accept or decline the offer, respond with their level of committed energy reduction, or acknowledge the receipt of a mandatory notice. Multi-site energy managers may respond to curtailment notices for multiple facilities through a single screen.
- > Monitor
 - As the curtailment event occurs, both the operator and user can view their energy cost reductions and actual demand relative to baseline and target levels in real time through continuously updating Internet pages. Operators have the capability to monitor events on an aggregate or individual customer basis. Multi-site energy managers can view multiple facilities from a single screen.
- > Report
 - At the end of an event, both users and operators can immediately generate settlement compensation reports. Through an array of reports, both parties can view results such as actual KWh, target KWh and reduction KWh. All data can be easily exported to a spreadsheet or billing system.

A screenshot of the Itron Curtailment software interface showing a detailed data table. The table has multiple columns, including 'Date', 'Event', 'Actual KWh', 'Target KWh', and 'Reduction KWh'. The data is organized into rows, providing a comprehensive view of the curtailment event's performance.

Baselines

Itron Curtailment solutions automatically generate curtailment baselines using the customer's own usage history and a wide array of algorithms. This unprecedented flexibility dramatically lowers administration costs to generate baselines and provides customers with tangible figures by which to adjust their operations.

Multiple program types

The curtailment operator can quickly set up any number of curtailment programs that mix participant, program type, settlement method, baseline and time zone criteria. Itron Curtailment solutions allow the flexibility to create both day-ahead and day-of events. Create mandatory, interruptible type programs with fixed response requirements, or voluntary programs that give users the option to accept or decline, and respond with varying energy reductions.

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profile

Itron Inc.

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. Nearly 3,000 utilities worldwide rely on Itron technology to deliver the knowledge they require to optimize the delivery and use of energy and water. Itron delivers value to its clients by providing industry-leading solutions for meter data collection, energy information management, demand side management and response, load forecasting, analysis and consulting services, transmission and distribution system design and optimization, web-based workforce automation, C&I customer care, as well as enterprise and residential energy management.

To know more, start here: www.itron.com



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