



# IntelliSOURCE<sup>®</sup> C&I

Large Commercial and Industrial Demand Management



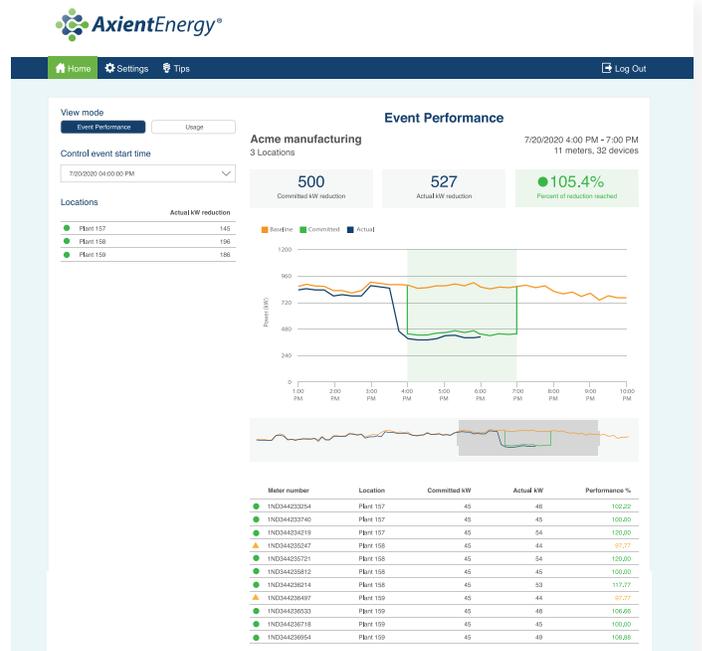
## TRULY INTERACTIVE DEMAND MANAGEMENT PROGRAMS FOR YOUR LARGEST CONSUMERS

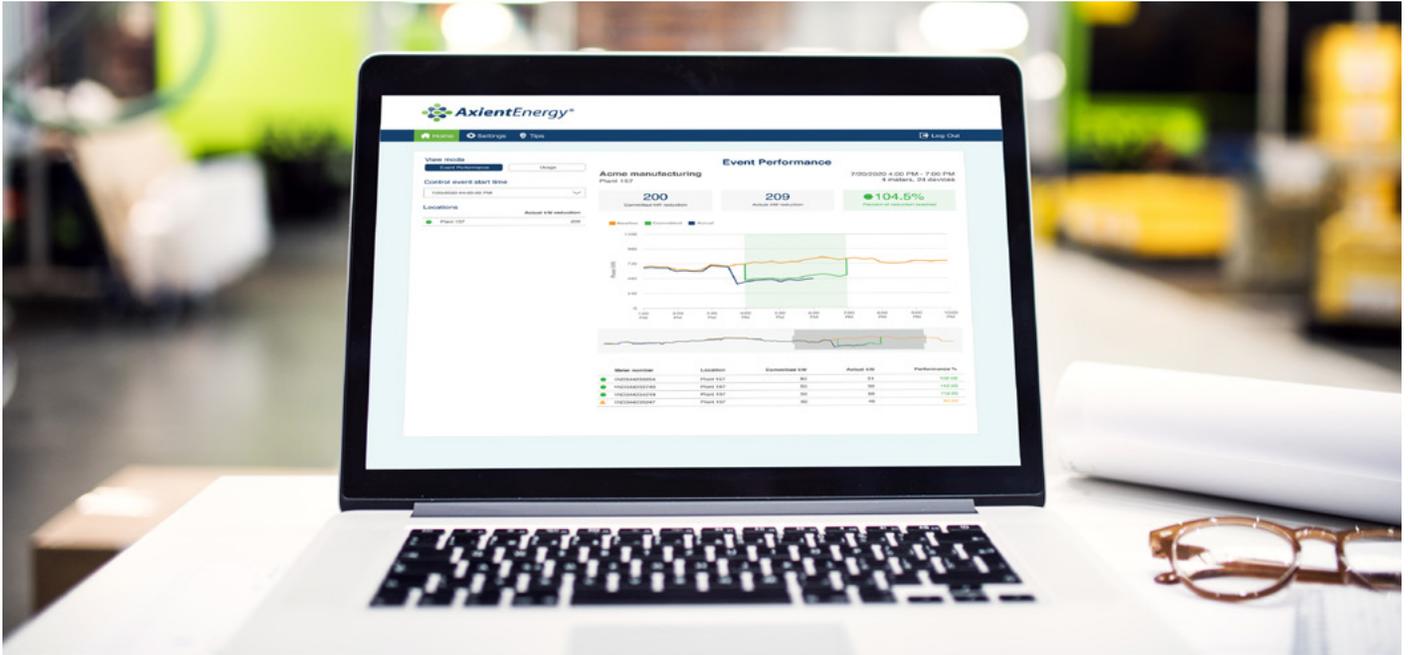
Large Commercial and Industrial (C&I) consumers have the potential to drive large impacts in many utility demand response (DR) and distributed energy resource (DER) programs. That is why Itron is empowering utilities to deliver interactive control and settlement functionality for DR/DER programs for these essential customers.

Through the data rich and interactive consumer portal, program participants are enabled with consumption and performance data before, during and after events, allowing complete transparency and insight into facility performance either individually or from a company-wide perspective.

Pair all of this with integrated support for residential technologies and bolstered by multiple program support modules, no solution is better positioned to deliver either surgically deployed applications or holistic solutions for complete turnkey programs than Itron's IntelliSOURCE. Tracing our load management lineage back almost half a century, Itron knows what it takes to be successful. That experience has helped guide Itron to design a mature, flexible, scalable and highly configurable platform that supports and automates a full set of utility business processes throughout the life of a DR/DER program. IntelliSOURCE helps manages such processes as:

- » Customer Acquisition and Enrollment
- » Ongoing Customer Engagement through the C&I Consumer Portal
- » Device/Premise Management
- » Work Order Management
- » Device Installation
- » Control Event Optimization and Dispatching
- » Intra-event insight to program response



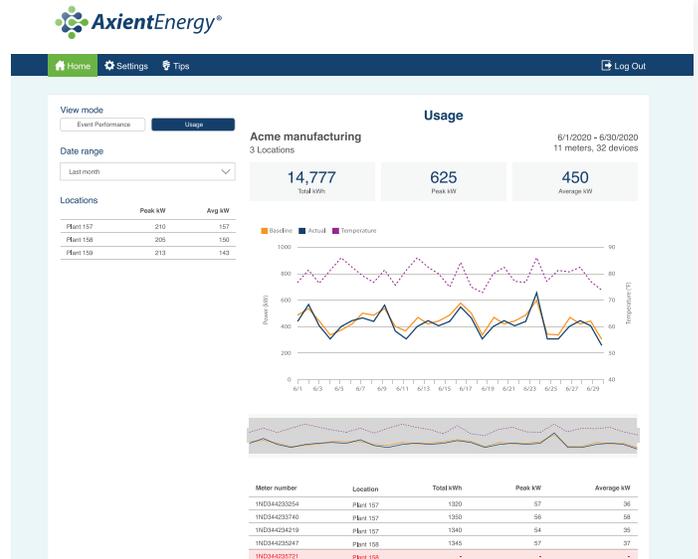


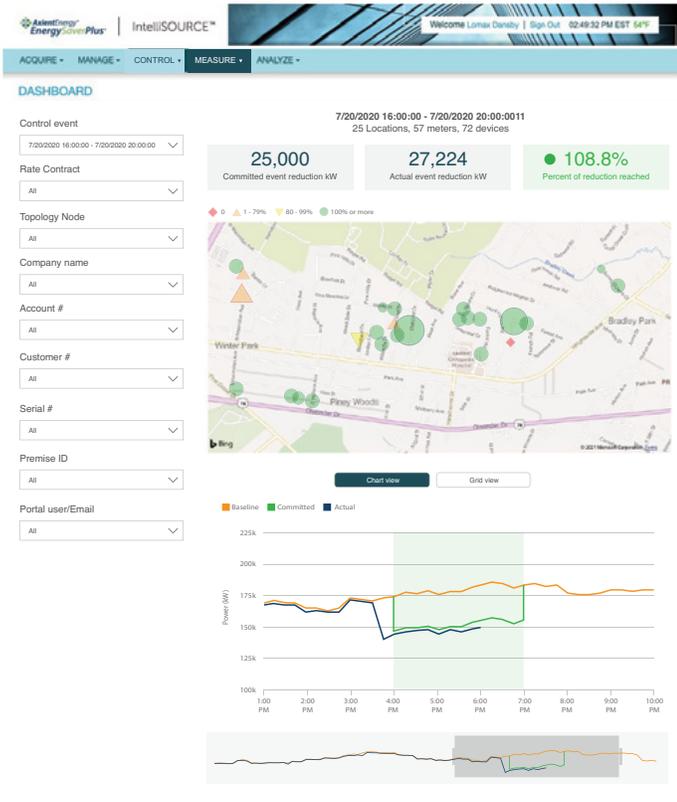
## ITRON'S END-TO-END APPROACH TO DR/DER PROGRAMS PROVIDES KEY ADVANTAGES

- » **Device diversity:** IntelliSOURCE comes equipped to work with a wide range of Itron-sourced or third-party solutions and devices.
- » **Control:** IntelliSOURCE provides utilities with a single point of control that enables the seamless coordination of a portfolio of programs including residential, small commercial and large C&I applications. No other solution provides this level of firm selectable load targeting and flexibility.
- » **Analytics:** IntelliSOURCE's DER analytics provide the engine that identifies cost and grid optimization of DERs, thereby effectively turning them into assets for the utility.
- » **Real-time system insight and operational readiness:** Handling and storing all transactions within one system eliminates data latency and keeps utilities and their consumers up to date with fast, actionable data in or out of events.
- » **Data integrity:** Having a single data repository minimizes data transfer and reconciliation across different systems and significantly improves data integrity. With one system as the system of record with respect to marketing, installation, control and event dispatch and analytics, utilities spend much less time resolving data conflicts that inevitably arise from the transfer and synchronization of information across systems.

## FORECASTING REAL-TIME LOAD AVAILABILITY AND DEMAND OPTIMIZATION

Using machine-learning algorithms to forecast the load reduction behavior across the entire system, IntelliSOURCE delivers predictable results event after event. To account for weather, day-of-the-week patterns and other variables, the algorithms leverage telemetry data from field devices, AMI meters (when available), weather, device performance/opt-out history, as well as other data to forecast the available load for each hour of a control event. Using these data streams, IntelliSOURCE can better predict the load reduction that can be achieved during different periods to report the level of MWs that will likely be available.





### OPENADR 2.0 A/B

The OpenADR 2.0 a/b adapter provides a certified VTN to enable VEN software and service integrations for a wide variety of use cases.

By integrating open standards into the IntelliSOURCE platform, Itron enables utilities to leverage more types of DER and devices to assist with grid balancing, stabilization and reliability. With IntelliSOURCE, utilities can manage solar power, energy storage and electric vehicles in addition to other traditional grid-connected flexible loads such as water heaters, pool pumps, thermostats and HVAC systems—all via open standards. This reduces costs and the risk of stranded assets for the utility while driving the adoption of grid-connected smart energy products and more cost-effective programs.

### STANDARDIZED FUNCTIONALITY OR OUTCOME-BASED SOLUTIONS

Whether your large C&I DR/DER program requires a ground up design and deployment or your current solution simply needs additional functionality, Itron's IntelliSOURCE is designed and ready to solve for your most complex program problems. Sit down with an Itron professional today to discuss your needs and goals. We'll work with you deliver the solutions and services you need without the expensive and complexity of those you don't. For additional information or to view a demo email us at [DEM@itron.com](mailto:DEM@itron.com).



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#### CORPORATE HQ

2111 North Molter Road  
Liberty Lake, WA 99019 USA

**Phone:** 1.800.635.5461

**Fax:** 1.509.891.3355