

Space-Time Dynamic Pricing Composite



Space-Time Awareness Suite:
 Industry's leading suite of geospatial analytics composite applications.

Space-Time Dynamic Pricing Composite:

Features:

- Visual impact analysis of multiple pricing schemes
- Full context-aware multidimensional analysis
- Integrated analysis including Census and demographics data
- Simultaneous views of retail and wholesale price
- Dynamic Geospatial selection of energy customers
- Exclusion of critical customers like hospitals for analysis
- Demand elasticity modeling
- Visualization of load shave trends over multiple price schedules

Benefits:

- Gain insight into price schedules that provide greatest influence over energy use
- Enhance ability to predict actual energy use through simulation-based planning
- Identify home appliances with highest load shave potential

Customers Say:

- "Space-Time Insight improves our overall ability to respond to, and even avert, potential system emergencies."

Enabling utilities to more effectively influence consumer energy use patterns is key to the Department of Energy's (DOE's) Stimulus investments under the America Recovery and Reinvestment Act (ARRA). Dynamic Pricing Analysis provides the capability to understand consumer and commercial and industrial (C&I) energy use and to visualize, simulate, and influence changes in customers' energy usage behaviors based on various price conditions.



Space-Time Dynamic Pricing Composite enables users to analyze and influence consumer, commercial & industrial (C&I) energy use behavior.

Space-Time Dynamic Pricing Composite – Key Features

- Visual impact analysis of multiple pricing schemes like time of use (ToU), critical peak pricing (CPP), and real-time pricing (RTP) for increased understanding of customer behavior
- Multidimensional analysis based on dimensions such as appliance type, customer class, seasonality and other factors
- Integrated analysis including Census and demographics data to provide insight into economic and energy savings benefit for price-based influence on customer energy usage
- Simultaneous views of retail and wholesale price for economic perspective for demand response
- Dynamic Geospatial selection of energy customers based on SLA, Financial conditions, past interruptions, and location
- Exclusion of critical customers like hospitals for dynamic pricing analysis
- Demand elasticity modeling allows impact analysis of price over demand
- Visualization of 'load shave' trends over multiple price schedules

Space-Time Dynamic Pricing Composite – Customer Benefits

- Gain insight into price schedules that provide greatest influence over consumer energy usage based on appliance type, customer class, seasonality, customer location, customer demographics and other factors
- Enable improved prediction and planning through simulation of consumer, commercial and industrial energy use behavior for various price signals
- Identify home appliances with highest load shave potential