



**Constellation
NewEnergy™**

The way energy **works.**
for your business™



Capacity Resources in New England: Opportunities, Challenges, & Solutions

2007 – 2011

May 5th 2007

The Opportunities

On-Peak Demand (efficiency, distr. Gen.)

Seasonal Peak Demand (similar measures)

Critical Peak Demand (similar measures)

Real-Time Demand (dispatchable measures)

Real-Time Emergency Generation

The Challenge: Projecting the Future

The Planning Process:

Evaluate Our Existing & Projected Load
(3000 MW)

Industrial – what types? Elasticities?

Commercial – Building Characteristics?

Institutional – Beyond Back-up Gen

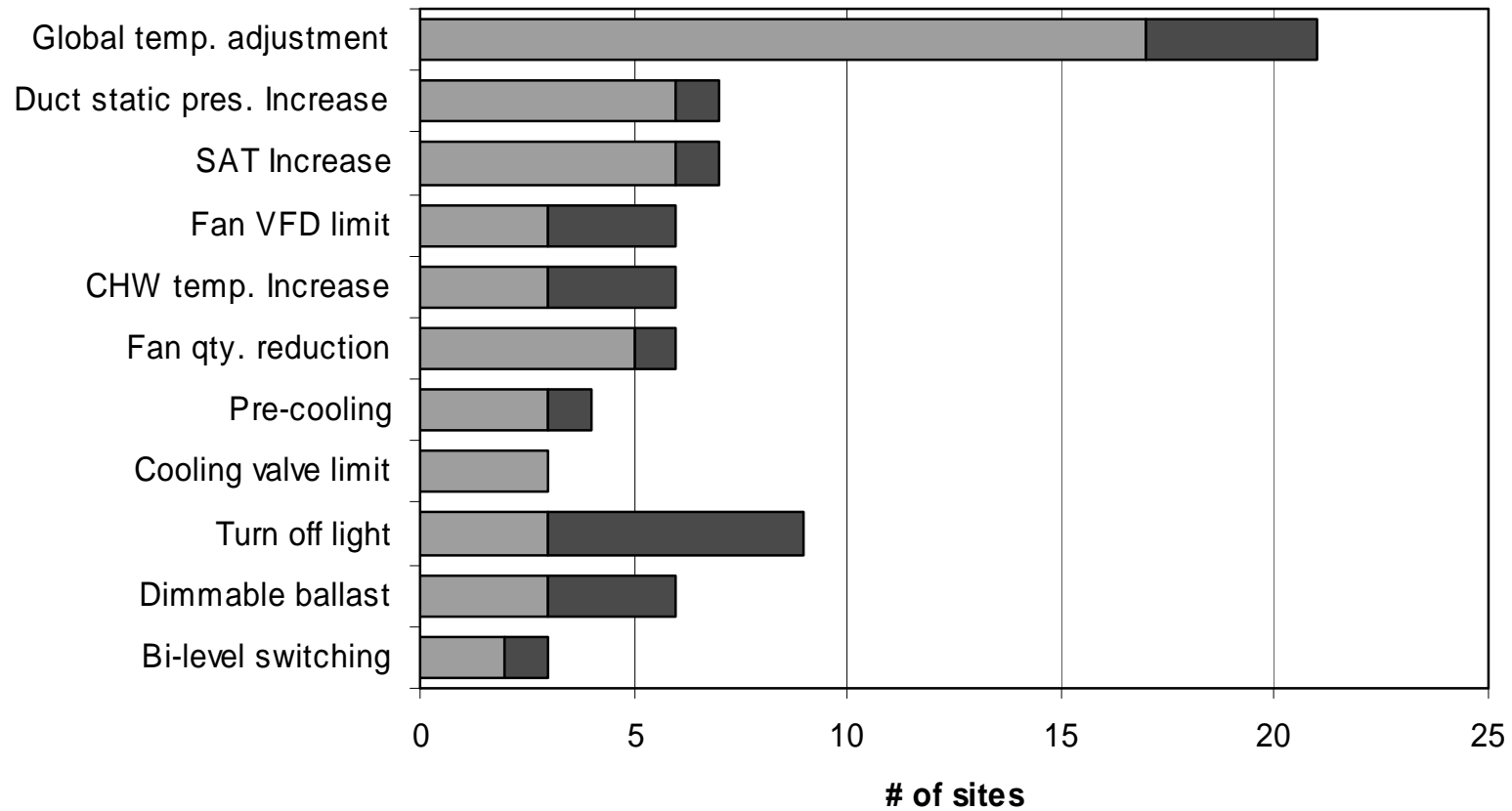
Key Participants

Large Industrial Load – An in-depth review

Commercial Buildings - Leverage CE customer base with new contract options

Institutions – Aggregation of Small Loads

Strategies



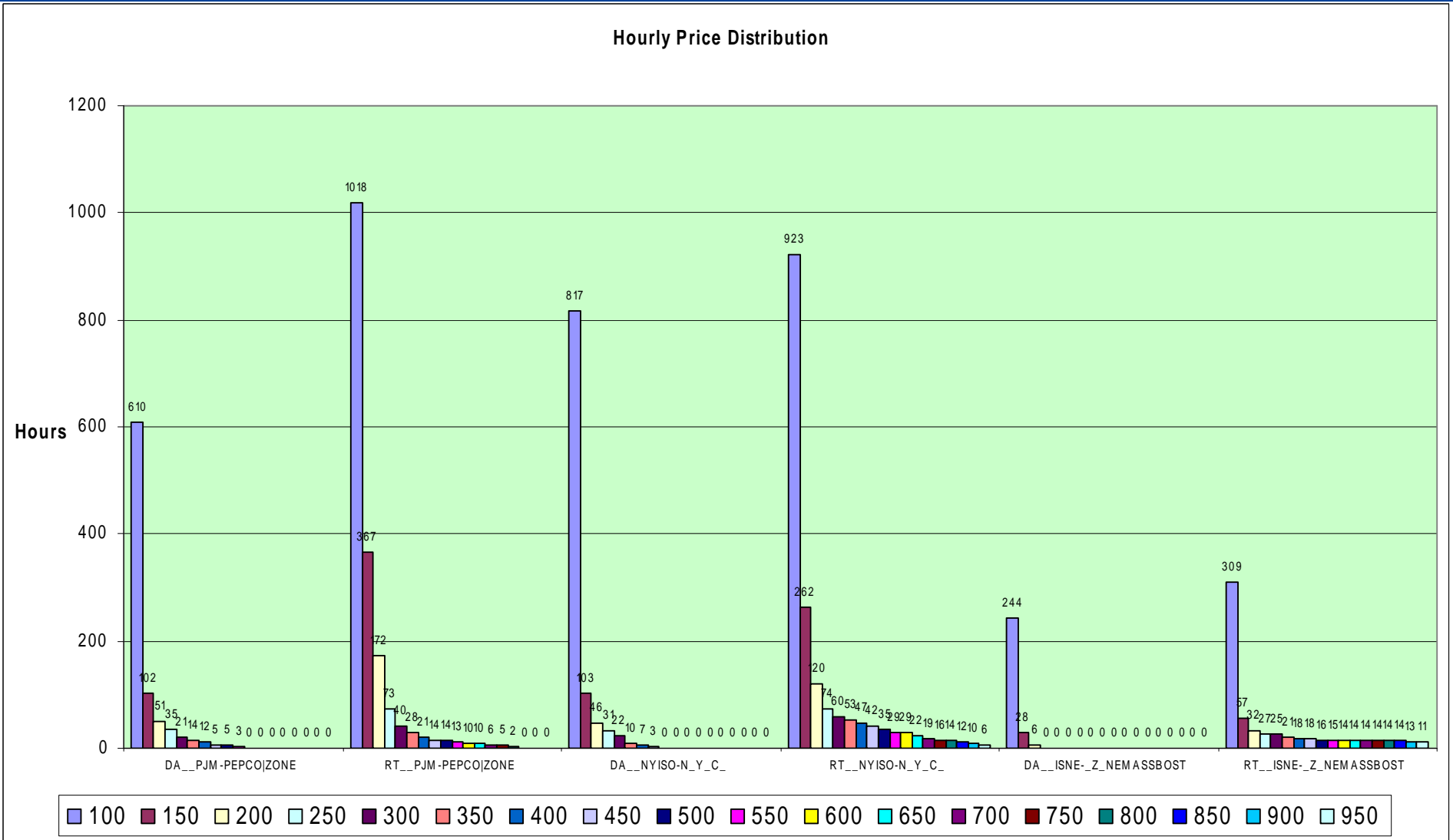
LBLN "Automated DemandResponse in Large Facilities" 10/06

□ Fully-Automated ■ Manual or Semi-Automated

Benefits to Customers: Example of Buildings

- Optimized building systems save 10-20% energy
- Real time energy monitoring and control capabilities
- Improved operation and run time conditions
- Ability to positively impact load curve in three areas:
 1. Load shape
 2. Demand limiting
 3. Smoother bandwidth

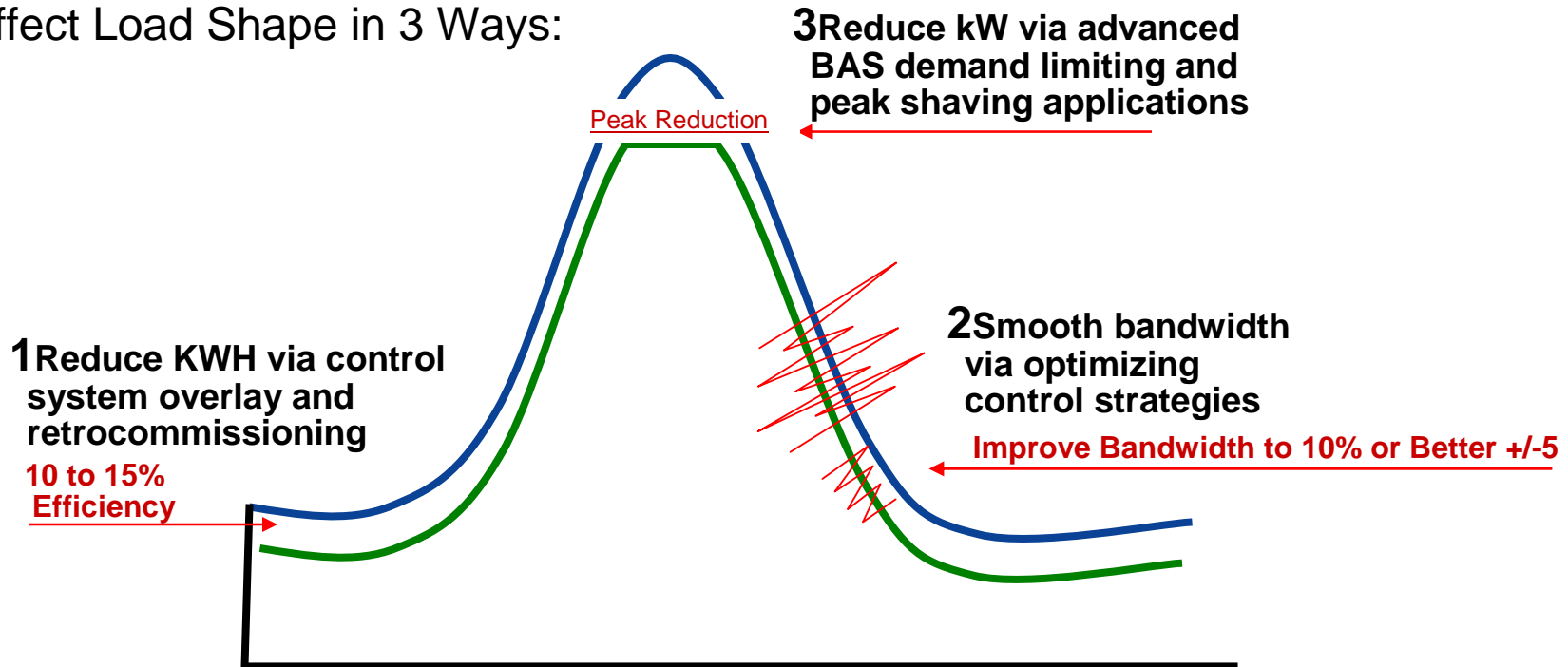
Hourly Price Distribution - 2006



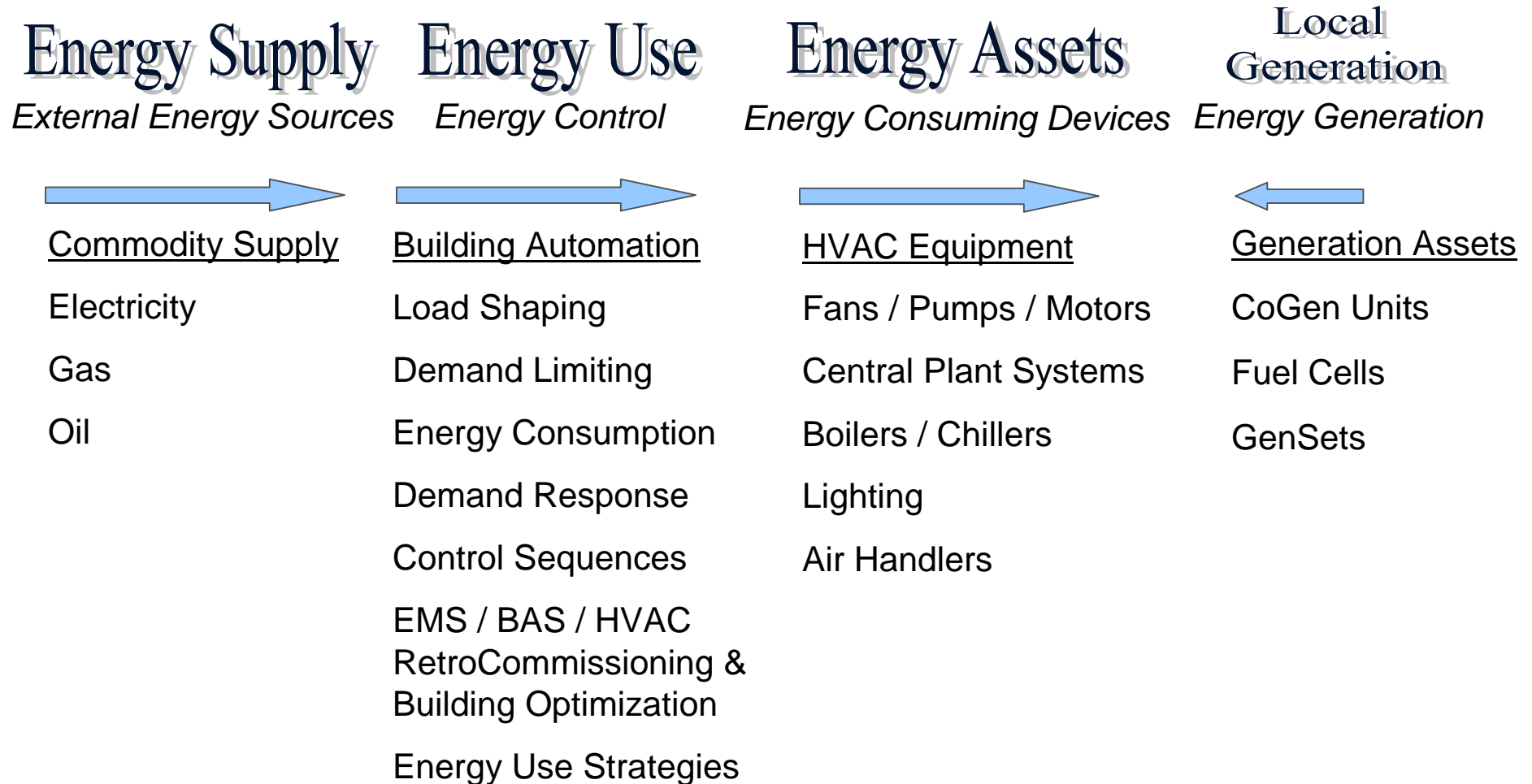
Capacity Savings – Typical Load Curve

CETS Energy Chain Mission

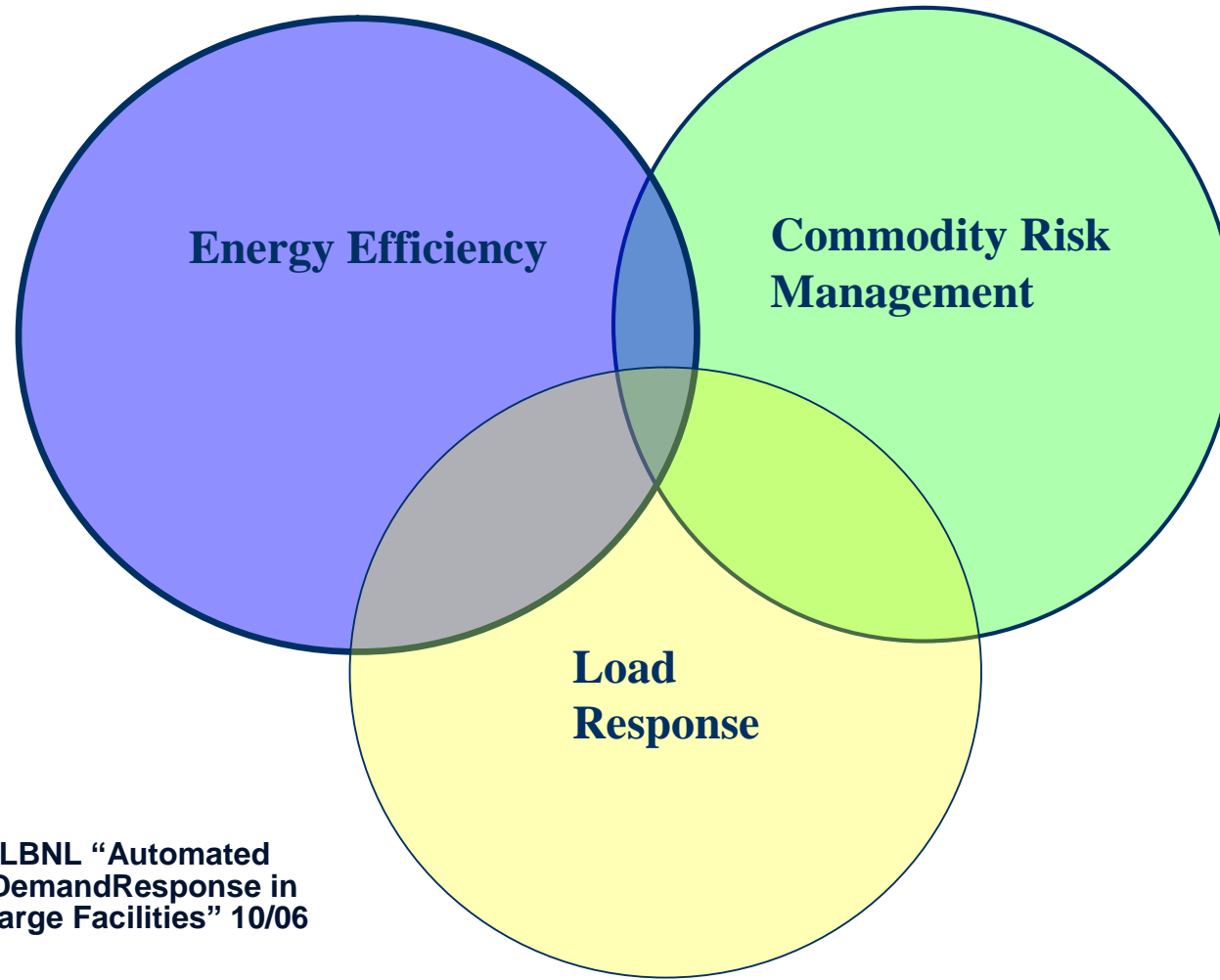
Affect Load Shape in 3 Ways:



The Retail Energy Chain



The Synergy of Competitive Supply



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