

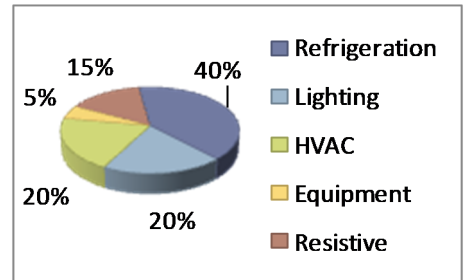
**Typical savings: 17–25% | Typical Payback: <24 mos.**

Food retail and distribution is energy intensive, with refrigeration typically accounting for at least 40% all electricity use., and HVAC accounting for 20%. We offer a targeted solution that addresses the need to reduce consumption in these key loads .

The Magniture Mpact™ program reduces refrigeration and HVAC electric use. with multiple proven technologies that save energy when equipment is ON.

Our impact on these two loads is particularly dramatic. Our technologies are used by industry leaders such as Kraft, Campbell’s and Sysco Foods.

### Typical electricity use by load



## Focus on Refrigeration and HVAC Savings —Mpact™

Magniture targets the electric distribution system and inefficiencies in refrigeration and HVAC systems with a customized approach .

### Key benefits:

- **Reduce refrigeration and HVAC electricity use by 15–25%**
- **Saves money when equipment is ON –not by shutting it off**
- Improved power quality improves equipment performance
- Extends equipment life

## Power Optimization

Power Optimization is a combination of hardware technologies embedded in your facility that reduces energy use by either improving power quality, thus reducing resistance and distribution line loss, or optimizing equipment performance. We have a particularly dramatic impact on refrigeration due to multiple technologies we deploy:

- Distributed synchronized capacitance
- Harmonic mitigation
- Molecular-level temperature modulation
- Molecular boundary lubricant
- Liquid pressure amplification
- Ultra high efficiency ECM fans
- Intelligent cycling controllers
- Voltage regulation

## Magniture Information System™—MIS

*If it isn't measured, it can't be managed*

An **option** with the Mpact™ program, The Magniture Information System™ is a simple yet powerful web-based management tool that gathers and analyzes all utility data (electric, water, gas, steam, temperature, etc.) to transform that data into actionable intelligence, customized for the audience. The MIS saves money under multiple layers, the most obvious being system optimization (settings, scheduling & run-time) and behavioral change: giving management the ability to establish and enforce an

## Success Story:

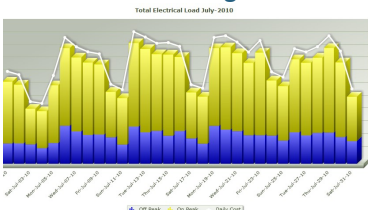


### Grocery Chain

- Annual energy spend: \$417,933
- Primary use: refrigeration (40%)
- Savings by load:
  - Refrigeration: 20%
  - Lighting: 15%
  - HVAC: 20%
  - Equipment: 12%

**Total Savings: \$91,946/yr**  
**Lifetime Savings: \$1,838,911**  
**Simple Payback: 30 months**

### Demand Management



### Carbon Tracking



### Customized Dashboards



### Public Education



