

Pathmark Stores, Inc.

New York State

Background

Pathmark Stores, Inc. was founded in 1968 and operates 141 supermarkets in New York, New Jersey, Pennsylvania, and Delaware. As a pioneer in the supermarket industry, Pathmark operates 24-hour stores and “Super Centers” and was one of the first supermarket chains to install scanning checkout registers.

The average Pathmark store is more than 52,000 square feet, and like most 24/7 stores, these facilities consume a large amount of electric power. It is estimated that the supermarket industry consumes nearly 3% of our nation’s power, and a typical supermarket could use about 3,000,000 kWh annually and have a demand of approximately 450 kW. Most of this energy is used by refrigeration, lighting, and HVAC systems.

Realizing the need to reduce its energy use, Pathmark Stores Inc. worked with the New York State Energy Research and Development Authority (NYSERDA) to meet its goals of reducing energy consumption and protecting the environment. This was accomplished through participation in several programs, including the Existing Facilities program.

“Rising energy prices and power reliability are growing concerns across our nation. Pathmark is committed to do its part by reducing energy consumption across all of its stores to help keep electricity flowing to our neighborhoods while protecting our environment.”

*-Steve Castracane
Pathmark’s Energy Manager*

Recommendations

Working with NYSERDA, its consultants, and other energy specialists, several energy-efficiency improvements were recommended. These improvements included lighting efficiency, high-efficiency refrigeration systems, VFDs, demand response, on-site photovoltaic and co-generation systems.

Incentives and Results

The implementation of lighting efficiency improvements is at the forefront of Pathmark's energy savings strategy. These improvements include a lighting system comprised of induction, T8, T5, fiberoptics, and light emitting diodes (LEDs). A lighting system was designed by RLE Industries that includes custom split-circuit wiring and dimming controls. They allow optimal control of energy demand and operate in conjunction with a Pathmark store's energy management system.

NYSERDA provided an incentive of more than \$100,000 to implement recommended energy-efficiency improvements in several of Pathmark's Metropolitan New York stores. The seven participating New York stores will see a combined annual savings of:

- 200 kW reduction
- 1,500,000 kWh/yr reduction
- Energy savings of \$200,000 annually
- The displacement of 820 tons of carbon dioxide
- The displacement of 2 tons of sulfur dioxide



To find out how you can reduce your energy consumption and costs, visit NYSERDA.NY.GOV.