

Case History

C&S Wholesale Grocers

The Company:

For over 85 years, C&S has provided first-class warehousing and distribution services to its customers. In 2007, *Forbes Magazine* ranked C&S the 7th largest privately held company in the nation. From over 70 warehouse facilities throughout the United States, C&S Associates serves some of the largest supermarket chains in the nation.

The Energy Saving Challenge:

C&S asked SmartWatt to design and install a lighting project in its 500,000-square-foot distribution facility in Central Islip, NY. After seeing impressive results, C&S engaged SmartWatt to use its design and engineering expertise in two more projects – an 800,000-square-foot Suffield, CT, facility, and at C&S Corporate Headquarters in Keene, NH.

The SmartWatt Solution:

In Central Islip and Suffield, SmartWatt replaced over 3200 High Pressure Sodium and T-12 lighting fixtures with T-5 High Bay and T-8 fixtures and installed a low-voltage sensor system that cut power to all lighting fixtures in unoccupied distribution aisles. In Keene, over 90% of the lighting energy usage in the facility has been placed on controls, resulting in reduced or zero usage when employees are not in certain areas of the facility.

Combined Savings for the Three Facilities:

Annual Savings: \$507,478.58
Annual Displaced Energy: 2,604,748 kWh
kW Demand Savings: 285.08 kW
Simple Payback: 18 Months

Rebate:

Connecticut Light & Power (CL&P), Long Island Power Authority (LIPA), and Public Service of New Hampshire (PSNH) paid a combined Incentive Rebate of \$378,761.00 on this project.



Before



During Construction



After

Corporate Offices:

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