



Warehouse Lighting

CASE STUDY

BETTER LIGHTING, LOWER ELECTRIC BILLS & REDUCED EMISSIONS



Nappi Distributors: satisfying a growing thirst without a lot of extra “juice”

Nappi Distributors, Maine’s leading beverage wholesaler, replaced seven outdated buildings with a new, 155,000 SF warehouse and office complex in Gorham. With help from Efficiency Maine, Nappi installed lighting that is so much more efficient, the company’s electric bills have fallen in spite of the larger space and rising rates.

“We did everything at our new facility with an eye to the future—for our company, for our customers, and for our children. I can look my daughter in the eye and tell her we’re part of the energy solution. And Efficiency Maine helped.”

*-Frank Nappi, Jr.,
President
Nappi Distributors*

Objectives:

- Replace multiple aging buildings with a single modern warehouse
- Gain additional space in which to store and maneuver beverages
- Save on lighting costs
- Reduce maintenance costs
- Reduce carbon footprint

Solutions:

Nappi Distributors worked closely with Bay Electric, an Efficiency Maine Qualified Partner, to create a brand new warehouse to replace their complex of seven buildings in Portland. The new facility includes 635 High Performance T8 lamps and matching ballasts, 53 T5s and 123 26-watt CFLs.

Estimated Annual Savings

Electricity.....	\$34,305
Labor.....	\$2,000



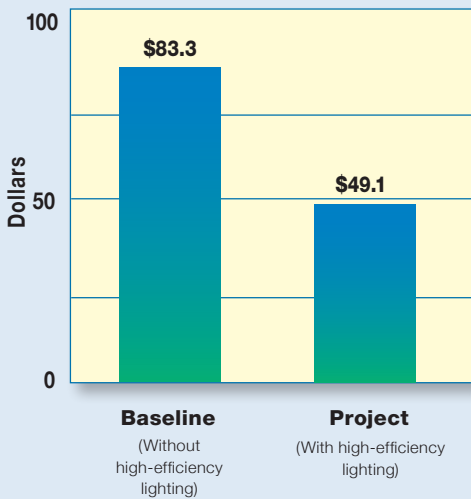
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Results:

Even with the addition of 25,000 square feet of space, Nappi's new facility consumes less electricity than its old facilities, while providing a safer and far more productive workspace.

Estimated Annual Electricity Costs (\$000s)



Financial Analysis

Total project cost	\$453,200
Incremental costs for high-efficiency lighting	\$29,192
Incentives from Efficiency Maine	\$18,147
Annual reduction in electricity costs	\$34,305*
Estimated annual labor savings	\$2,000*
Simple payback	3 months

* Electrical and labor cost savings are estimated based on industry standards.

Project Team

- Nappi Distributors, Inc.
- Efficiency Maine
- Bay Electric, Qualified Partner



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Efficiency Maine is a statewide effort to promote the more efficient use of electricity, help Maine residents and businesses reduce energy costs, and improve Maine's environment.