



**Liberty
Utilities®**

KEY POINTS

- **Refrigeration is widely used in commercial facilities, but it requires a significant amount of energy**
- **Controls, strip curtains and automatic door closers are examples of energy-saving technologies**
- **With good cold-temperature performance, LED lamps are an energy-efficient alternative to conventional lighting**

Find out what incentives are available for your home or business. Energy Efficiency 603-216-3698
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 or visit NHSaves.com

A Fresh Look at Refrigeration

Refrigerated display cases and walk-in freezers and coolers are used in a variety of businesses: foodservice facilities, grocery and convenience stores, hotels and more. While refrigeration is important, operating costs often leave facility managers and business owners in a cold sweat. These cost-saving refrigeration technologies can help take the heat off your energy budget.



Source: iStock.com

Anti-sweat heater controls

Refrigerated display cases use anti-sweat heaters to prevent moisture from forming on glass doors. Left uncontrolled, anti-sweat heaters run constantly, yet they are only needed for short periods. Humidity-sensing controls save energy and money by making the heaters run less often and by reducing the load on the refrigeration system to compensate for the extra heat. Controls are relatively inexpensive, and easy to install and maintain.

Efficient evaporator fan motors

Converting standard shaded-pole motors with electronically commutated motors (ECM) in refrigerated display cases, walk-in coolers and freezers can reduce energy costs up to 65 percent. ECMs are more energy efficient than shaded-pole units and much easier to program and control.

Evaporator fan controllers

Walk-in coolers and freezers are cooled by forced-circulation evaporators equipped with fans. These fans typically operate continuously, even though full airflow is required only part of the time. Controllers slow fans when full-speed operation is unnecessary, saving up to 50 percent on refrigeration costs.



ENERGY SAVINGS HIGHLIGHT

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Auto-closers for walk-in or freezer doors

Auto-closers automatically shut doors when they are accidentally left open, saving energy by keeping refrigerated air where it is needed.

Strip curtains

Strip curtains are clear, flexible strips located at the opening of a walk-in cooler or freezer or reach-in display case. They reduce air infiltration when the door is open, saving energy by reducing refrigeration load.

LED lights

Lighting display cases and walk-in freezers takes up a surprising amount of energy. Light-emitting diode (LED) lamps provide an attractive and energy-efficient alternative to fluorescent and other conventional lighting technologies. Highly efficient, long lasting and durable, with excellent cold temperature performance, LEDs are a perfect fit for many refrigeration applications.



Source: americancooler.com

Looking for more energy saving ideas? See the [Commercial Energy Efficiency Recommendations](#) tool for cost-saving tips tailored specifically to your business segment.

Liberty Utilities

- may fund a portion of the cost of an energy audit study
- provides incentives on energy savings improvements
- may require pre-approval of the audit and incentives

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