

Energy Use

Typical refrigerated machine

- 185 watts for compressor
- 180 watts for advertising signs
- \$390 annual electricity cost at 10¢/kWh

De-lamp vending machines

One easy way to reduce your vending machine cost is to ask your vending machine company to de-lamp the advertising lights inside the machine. The lights and ballasts in a typical refrigerated vending machine use about 180 watts of energy. At a rate of 10¢ per kWh, delamping vending machines can save \$157 every year with virtually no investment cost!

Some facility managers feel that removing the illumination of vending machines could reduce vending sales (and revenues) in areas where machines are remotely located. Other managers have made vending machine de-lamping a universal policy. When delamping, always educate vending machine users that de-lamped machines save energy. A decal can be conspicuously placed on the machine stating, "This Machine Is Operational. Lights Turned Off to Save Energy." Vending machine reps may discourage de-lamping, so do your homework and have your requests thought through.

Energy saving sensors

Consider the use of occupancy sensors and controllers that will reduce a vending machine's power requirements during long periods of non-use, such as overnight and weekends. In a study conducted by the National Renewable Energy Laboratory



one occupancy controller, Vending-Miser, reduced the energy use of the compressor by 33%. The way the controller works is, if a vending machine has not had sales for 15 minutes, the machine will be powered down. If a potential customer walks by, the infrared sensor in the controller will bring the machine on instantly. While the machine is powered down the controller monitors

the room's temperature and brings the compressor on periodically to maintain the temperature of the product. Some new vending machines have built in controllers.

FACT

▶ Never place a controller on the compressor of a machine that contains meat or dairy products

Energy Star rated machines

Tell your vending machine partner that you want Energy Star qualified beverage vending machines. These machines can save building and business owners 1,300 kWh/year, or \$130 annually on utility bills.

Earning the EnergyStar rating means products meet strict energy efficiency guidelines set by the US Environmental Protection Agency and the Department of Energy. Refrigerated beverage vending machines that have earned the EnergyStar are 35% more energy-efficient than standard new machine models.

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