

# Vermont Campus Energy Group

## VendingMiser

### What is it?

- The VendingMiser is an electronic device that reduces the amount of energy vending machines use by regulating the amount of time that vending machine lights and compressors are turned on.



### How does it work?

- The device is plugged into a beverage vending machine to regulate the flow of electricity. An integrated motion sensor allows the miser itself to turn off the lights and compressor when no foot traffic is detected for a pre-determined period of time. Drinks are kept at a “cold product temperature” at all times.

### How much does it cost?

- About \$165. A \$45 rebate is offered by [Efficiency Vermont](#)

### What’s the payback period?

- One to two years in most applications.

### Any other campuses doing it?

- The University of Vermont, Middlebury College, Tufts University...and many more

### Benefits

- Reduces the power consumption of a cold drink vending machines by an average of 46%, with no impact on sales or drinks
- Each VendingMiser can save \$100 - \$200 per year in electricity costs
- Prevents more than 2,000 pounds of CO<sub>2</sub> from entering the atmosphere
- Uses logic to learn from the habits of the building occupants and modifies the time-out period accordingly
- An optional Sensor Repeater can control of a bank of vending machines with a single sensor
- Reduces the maintenance costs and extends the life of the vending machine by reducing the number of compressor cycles
- Coke and Pepsi have both approved the VendingMiser technology for use with their machines

### Issues to Consider

- VendingMisers are most cost-effective where foot traffic is low to moderate, but will save energy in any location.
- VendingMisers may effect the use of electronic payment cards on vending machines
- Installation should be closely coordinated with whomever is responsible for the purchase, installation, and maintenance of vending machines
- Staff and the vending delivery staff should be educated about VendingMisers, what they do, and that they are not harmful to the product being sold
- Implementation works best when the program is assigned to a single coordinator or coordinating committee
- VendingMisers may interrupt the operation of electronic payment cards linked to students ID cards. However, typically this obstacle is easily overcome by working with the proper offices.