



CERTified campaigns

Act to implement energy solutions!

VENDINGMISER CASE STUDY

BECOME A WISER ENERGY MISER! CERTs and EnergyMisers, LLC VendingMiser Bulk-Buy Program

Installing the VendingMisers

After moving the vending machine out from the wall (which took effort, but was not too difficult), we scoped out the outlet.

We pressed the reset button on the power cord to safely shut down the vending machine and then unplugged the vending machine.

We took the plastic sheet off of the adhesive on the VendingMiser and stuck it to the back of the machine.

[Since CERTs was testing the energy usage, we also had a Kill-A-Watt meter, which we plugged into the wall outlet.]

We plugged the vending machine into the VendingMiser.

We plugged the VendingMiser into the wall outlet (with the Kill-A-Watt meter).

Total time: 2 minutes

THE CERTS EXPERIMENT: LONELY POP MACHINE MEETS ITS MISER

CERTs was just so curious about these VendingMisers that they decided to do a test on their own. They were especially curious to see what happens when a VendingMiser is installed on an ENERGY STAR qualified vending machine.

What we did

CERTs identified two different machines for testing. These were machines in fairly low-traffic areas and in a building that was locked on evenings and weekends.

- One was a regular machine, which the University of Minnesota said was possibly retrofitted to run on a standby mode out of building hours. It was located in a building primarily used by faculty and graduate students.
- The second was an ENERGY STAR qualified machine. It was located on the lower level of a building with medium traffic.

We gathered base data from both machines for a short and long period of time. We also gathered data over several days with the VendingMiser installed (see results below).

Our results

BASE DATA:

- The regular vending machine used on average 3,198.61 kWh/year.
- The ENERGY STAR qualified vending machine used on average 2,494.16 kWh/year.
- The ENERGY STAR qualified vending machine operated with 22% less energy than the regular machine.

WITH A VendingMiser

- The regular vending machine lowered its energy use by 44.85%.
- The ENERGY STAR qualified vending machine lowered its energy use by 11.84%.
- Based on two trials, CERTs noted that even greater energy reductions were made over the weekend.

For detailed data chart, please contact Michelle Vigen (michelle.vigen@gmail.com).

CERTs would like to thank the University of Minnesota for allowing CERTs to test these vending machines; the Green Institute, who lent the Kill-A-Watt meters; and the MN Pollution Control Agency who loaned CERTs two VendingMisers for the test.