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machine company which required significant coordination of contractors and staff.

Additionally, they soon discovered that when several Miser-equipped vending machines were plugged into the same circuit and the machines turned on simultaneously, those circuits were overloaded. Resolving this issue meant switching machines to different outlets, installing new electrical circuits, and adding Vending Miser Repeaters to some machines to stagger start times.

Nevertheless, Tufts has appreciated the savings achieved through their Vending Misers. Going forward, they will replace their old machines with new **ENERGY STAR qualified machines** which use 50 percent less energy than conventional units, saving on average \$150 per machine per year. ENERGY STAR machines achieve these savings-about 1,700 kWh/year-by installing more efficient compressors, fan motors, and lighting systems as well as optional software that kicks the machines into low-power mode much like the Vending Misers.

According to ENERGY STAR, State University of New York (SUNY) at Buffalo recently **installed 132 of these machines**, achieving annual savings of \$20,948 and 261,849 kWh. Ensuring that their **Request for Proposal for a beverage partnership** included specifications for energy efficient equipment made this changeover possible.

Whether it's with Vending Misers or ENERGY STAR, turning down the energy consumption associated with vending machines is a very low-cost, high-return action that reduces energy consumption. According to Oehler, "The Vending Misers are one of many best practices we've instituted which are now being applied to other schools."

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