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# The University of Georgia

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Auxiliary Services

May 10, 2000

Mr. Rick Morgan  
Athens Cold Drink Sales Manager  
650 Athena Drive  
Athens, GA 30601

Dear Rick,

I have completed UGA's study of the effect of the Vending Miser on reduction of electrical power if placed on all inside Coke vendors on campus. The Bayview Technology Group, who manufactures these units, states that there is at least an average of 41% power saving if used on University campuses, and I have confirmed this number. The average I interpolated using 4 different checks of different types of building functions is 43%. (This does not take into effect the holidays, which would move it even higher.)

The potential power saving increases by the inactivity in a building. The highest power saving was observed at Auxiliary Services which is used 7AM - 6PM Monday through Friday with a 56.1% saving. An average building like Chicopee was 45.6%, and a very active location like Bio-Sciences was 26.6% saving. The unit puts the vendor in a 2 hour sleep mode when it notices no action with the motion detector for 15 minutes but reactivates in 2 hours or if it notices any motion (within the 2 hours.)

There were no problems with the operation of the units and no complaints about the temperature of the Coke products. The units were installed very easily on existing equipment as they are actually connected electrically between the power receptacle and the vendor. It is estimated that 3 ½ vendors can be connected per hour.

As of today, there are 272 inside Coke vendors. It would cost \$43,520 to purchase a unit on each vendor at a cost of \$160 each. With the average power consumption on a Coke vendor per day being 11 kwh and the actual cost per kwh being \$0.045, the yearly electrical cost saving for 272 units with 41% saving is \$20,148.87. This means that there is a pay back of the investment in 2.16 years.

It is my recommendation that the units be provided and installed.

Sincerely,



John Duffett  
Vending Services Supervisor