



United States Department of the Interior  
NATIONAL PARK SERVICE

Whitman Mission National Historic Site  
328 Whitman Mission Rd.  
Walla Walla, Washington 99362

IN REPLY REFER TO:

P44

October 27, 2000

To: Mr. David J. Schanin, President, Bayview Technology Group, Inc.

From: Chief of Maintenance, Whitman Mission National Historic Site

Subject: Evaluation of the VendingMiser™

Thank you for the opportunity to conduct an on-site evaluation of your VendingMiser™ product. As you may recall, the Department of Energy designates Whitman Mission National Historic Site as a Federal Energy Savers Showcase. We felt this would serve as an appropriate place to evaluate the product. Our findings are very positive. Please let me share them with you.

The VendingMiser™ was tested on a small Cavalier, 6 amp. (1964 vintage) soda pop vending machine. The energy consumption of our vending machine measured an average of 2.43 kWh/day. We arrived at this average by connecting an electrical meter to the power source, then plugging the vending machine into it. We recorded the power consumption of the vending machine for 7 days, then averaged the usage. We then installed the VendingMiser™ between the electric meter and vending machine and read/recorded the results for an additional week. With the addition of the VendingMiser™ the energy consumption was reduced 47% to 1.29 kWh/day with no effect to the temperature of the soda product.

Because of our national low utility rate of \$0.05 kWh, our annual savings is approximately \$21.00/year, and with the VendingMiser™ retailing around \$143.00, the payback is 7 years. However, we realize that most vending machines consume 10-15 kWh/day, and utility rates are much higher in other parts of the country. This would substantially increase the savings and drastically reduce the payback years to a year or less.

To sum it up, the VendingMiser™ performed very well. I wouldn't hesitate to recommend this product to other National Park units as the evaluation serves to verify the energy and fiscal savings.

Thanks again for the opportunity to evaluate the VendingMiser™. We would be very interested in information on other energy-saving products Bayview Technology Group, Inc. develops in the future.

Bruce J. Hancock  
Chief of Maintenance