

May 13, 1996

Re: USES Shunt Efficiency System

To Whom It May Concern:

The installing of the USES Shunt Efficiency System was completed on January 31, 1996. It was installed in the USPS Airport Mail Center, 935 Airport Service Road, Nashville, TN 37227. The facility has approximately 19,000 square feet of floor space plus a retail until and P.O. Box section. Powered equipment includes two (2) HVAC units, four (4) portable conveyer belts, and an inbound conveyer system that has a unit for sacks and one for trays. Lighting for facility is provided through the extensive use of florescent fixtures.

Since installation of system we have witnessed a reduction of 10% in KWH, KW demand dropped by 9%, line current was reduced by 15%. The power factor was .89% prior to the installation of the equipment, it is now varying from .98% to .99% as read at the main power panel. Test also indicates operating temperature on some of the equipment has decreased by 10 degrees Celsius. This would indicate to me that our entire facility is very energy efficient.

Current data indicates that system is exceeding expectations and will produce an excellent Return of Investment (ROI).

Claude Bates
Plant Manager