



March 20, 1996

Re: USES® Shunt Efficiency System

To whom it may concern:

The following is a synopsis of the changes in electrical energy consumption effected by the installation of the USES® Shunt Efficiency System at the US Postal Service, Airport Mail Center at the Jacksonville International Airport. The facility encompasses approximately 37,000 square feet of floor space, with the following major electrical loads:

eight (8) roof mounted air conditioning units

two (2) air compressors

three (3) inbound sack conveyer belts

twelve (12) portable conveyer belts

facility lighting consisting of high pressure sodium and fluorescent fixtures

Due to the time of year and the extended length of the cold weather this year, the air conditioners have not been utilized since this installation, therefore the lighting load comprises approximately 70% of the total electrical load.

The installation of the system was completed December 15th 1995, since that time I have personally witnessed a reduction in the total electrical energy consumption at this facility as follows: a reduction of 12% in kWh, kW demand dropped by 9%, and the line current was reduced by 14%. The power factor was 85% prior to the installation of the equipment, it is now varying from 98% to 1 as read at the main power panel. This would indicate to me that our entire facility is very energy efficient.

We have installed a permanent metering system at this facility in order to monitor our electrical service. This metering system verifies and confirms the numbers we have previously discussed.

The bottom line effect is stimulating. The system is definitely performing to our expectations, and I would recommend it to anyone trying to control or reduce their electrical energy consumption.

Sincerely,

A handwritten signature in cursive script, appearing to read "James E. McLaughlin".

James E. McLaughlin
Manager Maintenance Operations