

Tecumseh

Family Tradition Foods (Tecumseh) Inc.



September 27, 2005

ESS Canada Inc.
David Karavitz

I have had many firms approach me with numerous products and systems that will enhance the efficiency of this plant either through saving money or energy.

I consented to have a test conducted on my 25hp boiler feed pump with the circuit master. The company electrician, with me present and under your parameters installed for testing a circuit master model 303 and conducted the measuring methods. To my complete delight and satisfaction the circuit master reduced the amp draw of the pump by 14.5% while reducing the KVAR to zero and increased the power factor from .83 to "1".

I immediately purchased the unit and then performed some calculations on other specific areas of concern. Through the calculations and the verification of testing I was able to justify a second project of greater magnitude. Another purchase order was issued to have the circuit masters installed on ten motors that run the aeration at our lagoon. The CM305 units would be retrofitted on four 60hp air pumps as well as six 75hp aerators. Again to my satisfaction the units performed well. We were able to lower the KW draw by 130 by decreasing amp load. The power factor on these units prior to installation of the circuit masters averaged .83 and subsequently afterwards the power factor increased to .93 and better on some units. This was verified by an electrical contractor that we use regularly.

In addition to these motors running at their optimum efficiency, the heat reduction due to the lower amp draw is directly related to reducing maintenance costs and increased longevity of the motor.

I also, as a test, approved the installation of an Artic Master for the HVAC located on the roof of the canteen building. Your guarantee was a 20% savings of the energy to operate this unit. The testing later showed a 34.6% savings when using the A/C. I then purchased this product also and will be addressing installations for the other applicable HVAC units.

Thank you for introducing this new technology, especially with the rising energy costs that we are encountering today. I will be in contact with you in the near future for your input into additional energy saving applications

Respectively yours,

A handwritten signature in black ink, appearing to read "Gil Beletz", with a long, sweeping horizontal stroke extending to the right.

Gil Beletz
Chief Engineer
Family Tradition Foods

