

Stoner Electric
1904 SE Ochoco St.
Milwaukie, OR. 97222
503-462-6500

March 21, 2002

Ladd Wholesale Meats Co.
Mike Conchuratt
2027 SE Division St.
Portland, OR 97202

Dear Mr. Conchuratt:

I represent Stoner Electric, which was contracted by All Phase Energy Consulting, Inc. to conduct an Independent Electrical Energy Consumption Evaluation at Ladd Wholesale Meat Co. from March 1st through March 15th.

The evaluation consisted of two one week segments, before, and after, the installation of an energy conservation device by All Phase Energy Consulting, Inc., on a Copelamatic Compressor Serial #MRB1-0500-TFC roof top unit used to chill the main walk in cooler. This unit had an identification marking on the cover of RTU 409A.

I placed a Power Quality Meter, recording various electrical parameters, on the unit at approximately 8:00 AM on 3-1-02. At approximately 8:00 AM on 3-8-02 I recorded the readings for the first week of monitoring, and reset the meter.

Between 8:00 AM, and 2:00 PM on 3-8-02, an ArticMaster Energy Conservation product was installed. At approximately 2:00 PM on 3-8-02 I began the second week of monitoring. At approximately 2:00 PM on 3-15-02 I recorded the readings for the second week, and removed the meter.

A 20% approximate reduction in KWh was noted between week one, and week two (see below).

I find the results, and the difference in energy consumption between the two weeks to be rather dramatic, but for precise comparison of savings, the results of the two monitoring sessions should include the average outside ambient, and box temperatures for the two weeks in question. A logical assumption, when including these variables, is that a higher ambient temperature during the second week (after the installation of the energy savings device) of testing would increase the KWh used due to additional heat load on the compressor, in effect lowering the apparent savings of the energy savings device.

This statement reflects the actual raw data collected by myself. I am not affiliated in any way with All Phase Energy Consulting, except as a licensed employee of Stoner Electric, conducting this test at the request of All Phase Energy Consulting Inc.

Week one KWh consumption	468.855
Week two KWh consumption	377.200
Total KWh Savings	91.665
Total Percentage Savings	19.55%

Please feel free to contact me with any questions, or concerns, regarding this Energy Evaluation.

Thank you.


Louis Bybee