

DATE: September 20, 2009

FROM: PATRICK GRIFFITH

TO: John Knapp

SUBJECT: Power Shaver Performance

We installed a Power Shaver unit on our home in October, 2008.

We live in a very rural part of Napa County and have several motors that typically have low performance, including a well pump and an extra refrigerator and separate freezer. We do not have air conditioning, but we do augment our heating with "Vornado" electric heaters (2 to 3) during the most severe cold.

Our typical winter bills, due to heating, were in the range of \$250 to \$400. In the following months we saw a dramatic drop in our bills reflected by a significant increase in our Baseline kilowatt hours. Our winter bills dropped to the mid-to-high \$110's. Our highest bill during the period was \$220.

Our previous Baseline kwh had been in the mid 300's. (The Baseline is the KWH allowed at the lowest rate.) After installing the Power Shaver unit our Baseline was increased to more than 700 KWH.

Our overall savings during the first six months ranged between 32 and 40%. We have seen a sustained savings, and the unit paid for itself within 6 months.

During the summer, even though we do not have air conditioning, we are charged at the higher PG&E summer rates. The key difference has been a sustained, high Baseline, which has kept our summer bills relatively in line with our winter savings.

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