

# First Baptist Church

Glorifying God by Reaching, Serving and Loving the World at Our Door.



**Stephen Price**  
Interim Senior Pastor

**Lonnie Brown**  
Pastor of Music  
& Worship

**Leah Harlow**  
Director of Children &  
Youth

**Kathy Lynn Grohs**  
Office Administrator

**Kathy Stauffer**  
Worship & Music  
Assistant

**Rachel Brown**  
Director of Mother's Day  
Out

November 8, 2013

Mr. Danny G Norris  
BlackHawk Energy Services/Green Energy Sources  
PO Box 3942  
Gaithersburg, MD 20885-3942

Re: BlackHawk power conditioning equipment

Dear Danny,

I am writing in reference to the two Powerhouse 208/240 power conditioning units that were installed in our facility on August 26<sup>th</sup>, 2012. These were a 45 kVAR and a 15 kVAR unit. They service our education building and a major HVAC system, respectively.

In the 13 months since installation, we have seen substantial savings in cost and in kWh usage. The performance analysis calculated cost per day and usage per day for each billing period. Billing data was available from July '09 through September '13. Monthly averages were calculated for pre-install and post-install performance. This showed a 19.1% reduction in \$/day and a 12.6% reduction in kWh/day. Monthly details are attached below.

Overall, for the year preceding installation vs. the year following installation we have seen the following gross cost and usage:

	<u>Before</u>	<u>After</u>	<u>Diff.</u>	<u>%</u>
Cost	\$75,139.67	\$64,057.41	\$11,082.26	14.8% saving
Usage	364,260 kWh	336,615kWh	27,645kWh	7.6% saving

We are quite satisfied with the Powerhouse units and look forward to continued savings for our church.

Sincerely,

David W. McCoy, Chairman  
Property & Facilities  
Maintenance Committee