

**Jerry G. Boehm Surrebuttal Schedule 1**  
**Regression Test for Natural Gas Henry Hub Price Correlation to Average Spot Purchased Power Cost**

Year	Gas Daily Henry Hub Index Annual Average \$/MCF (Source: Platts)	Aquila Historical Spot Power Purchase Average Cost \$/MWhr
2000	3.880	32.00
2001	4.262	30.44
2002	3.296	23.62
	Aquila Model Average Henry Hub Natural Gas Price	Regression Predicted Annual Average Spot Market Power Purchased Cost \$/MWhr
<b>Rate Case</b>	<b>5.140</b>	<b>38.87</b>

REGRESSION OUTPUT (MS Excel Model)

<i>Regression Statistics</i>	
Multiple R	0.83683223
R Square	0.700288182
Adjusted R Square	0.400576363
Standard Error	3.450448148
Observations	3

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	27.81787424	27.81787424	2.336538431	0.368809918
Residual	1	11.90559242	11.90559242		
Total	2	39.72346667			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	-0.562696202	19.23848358	-0.02924847	0.981385153	-245.00976	243.8843677	-245.00976	243.8843677
X Variable 1	7.671583585	5.018784602	1.528573986	0.368809918	-56.0978479	71.44101506	-56.0978479	71.44101506

This is a standard output from MS Excel's Data Analysis Tool (Regression Choice)