

Energy Tracking Small Enterprise Case Study

Month-Year	Consumption (kWh)	Demand (kW)		Hours Use of Demand (HUD)	Cost
		Actual	Bill		
Jun-09	54,640	188	188	291	\$4,050
Jul-09	51,520	184	184	280	\$3,965
Aug-09	50,000	182	182	275	\$3,923
Sep-09	54,480	178	179	304	\$3,931
Oct-09	44,400	179	179	248	\$3,655
Nov-09	41,040	166	179	229	\$3,563
Dec-09	48,160	179	179	269	\$3,758
Jan-10	39,840	178	179	223	\$3,530
Feb-10	55,680	187	179	311	\$3,964
Mar-10	41,440	178	179	232	\$3,574
Apr-10	42,720	181	179	239	\$3,609
May-10	39,120	164	179	219	\$3,511
Totals	563,040				\$45,033
Unit Cost:	\$0.0800 /kWh				

This case study example shows the energy tracking software for a small commercial business. This facility uses only electrical energy. Instead of a graphically based software package, the company has elected to simply enter the electrical billing data into a spreadsheet program. The software is capable of summing the annual usage and cost and calculating the Hours Use of Demand (HUD) which is the consumption in kWh divided by the demand in kW. HUD is used in electrical block rates to determine the net cost of electricity. Instead of calculating the marginal cost for electrical energy, the average cost is calculated. This is a very simple approach to energy tracking which may be adequate for many small businesses.