**Energy Tracking Small Enterprise Case Study**

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|  | Consumption | Demand (kW) | | Hours Use of Demand (HUD) | Cost |  |  |  |  |  |  |  |  |
| Month-Year | (kWh) | 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** |  |  |  |  |  |  |  |  |  |  |  |
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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.