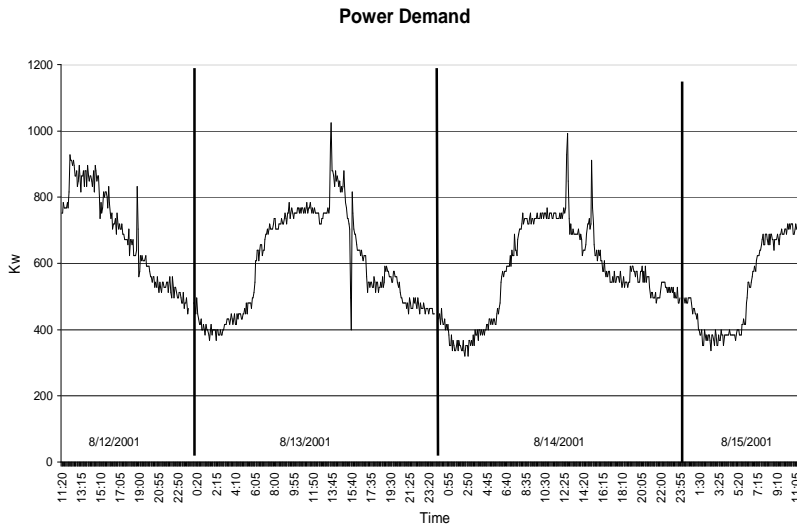


StromTacho Logger



During Detailed Energy Audits StromTacho Logger is placed on the utility meter to plot the demand curve for the plant. The plot below was obtained by placing the StromTacho on the main utility meter for a local hospital for four days.



After the data is collected, one can determine the exact load curve for the plant. From the graph above for example, it is observed that the lowest load occurs at around 3:30 AM (about 320 kW) and the demand starts to increase starting at 6:00 AM peaking at around 8:00 AM (reaching 780 kW). One can see another rise in demand (to about 1000 kW) between 12:30-1:30 PM because of the increased demand for cooling. The load starts to drop down around 3:30 PM until it reaches the minimum at around 2:30 AM.