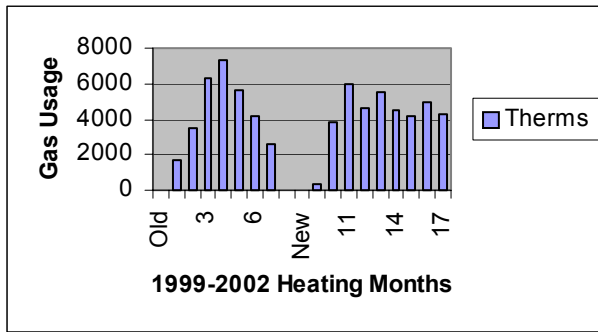




Fulton Boiler Reduces Energy use by 37%

The Wayzata Sunset Elementary School added a Fulton PHW1400 high efficiency-condensing boiler to its fleet of old heating boilers. The design called for the Fulton Boiler to be the primary heating boiler during the majority of the heating season. During extremely cold days, the old boilers would be used for supplemental heat. Through March 2002, the school district reported a 37% decrease in fuel use per degree-day.



As illustrated on the chart below,
The Energy savings at the Sunset Hill Elementary School

	1999			2000			2001			2002		
	Therms	DD	Usage	Therms	DD	Usage	Therms	DD	Usage	Therms	DD	Usage
January				7353			4645	1380	3.37	4126	1243	3.31
February				5662	1054	5.37	5523	1463	3.78	4986	1020	4.88
March				4174	733	5.69	4469	1144	3.91	4321	1234	3.50
April				2580	535	4.82						
September				1	3	0.33						
October	1672	476	3.51	344	364	0.95						
November	3485	701	4.97	3837	1024	3.75	784	652	1.20			
December	6303	1214	5.19	5935	1771	3.35	1346	1152	1.17			
Annual	11460	2391	4.79				16767	5791	2.90	13433	3497	3.84

Heating seasons place considerably different loads on systems. That is why we use the total therms per month divided by the actual heating degree days (DD) per month. This will give us a number that we can compare for tracking the gas consumption (Usage), regardless of the cost of gas or the heating load.

