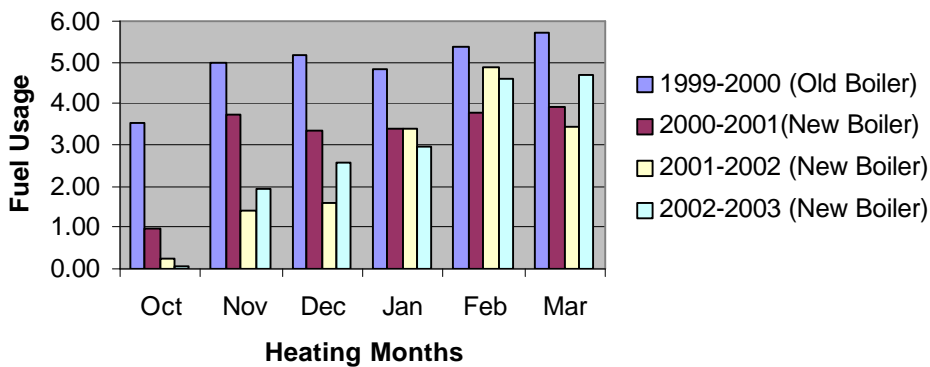


Fulton Boiler Reduces Energy Use by 38%



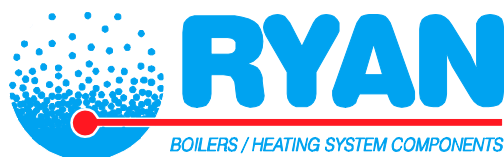
The Wayzata Sunset Elementary School added a Fulton PHW1400 high efficiency-condensing boiler to its fleet of old heating boilers. The design called for the Fulton Boiler to be the primary heating boiler during the majority of the heating season. During extremely cold days, the old boilers would be used for supplemental heat. Through March 2003, the school district reported a 38% decrease in fuel use per degree-day.

Energy Savings



	1999-2000 (Old Boiler)			2000-2001 (New Boiler)			2001-2002 (New Boiler)			2002-2003 (New Boiler)		
	Therms	DD	Usage	Therms	DD	Usage	Therms	DD	Usage	Therms	DD	Usage
Oct	1672	476	3.51	344	364	0.95	114	505	0.23	35	711	0.05
Nov	3485	701	4.97	3837	1024	3.75	770	552	1.39	1843	951	1.94
Dec	6303	1214	5.19	5935	1771	3.35	1817	1152	1.58	3095	1197	2.59
Jan	7353	1515	4.85	4645	1380	3.37	4215	1243	3.39	4495	1532	2.93
Feb	5662	1054	5.37	5523	1463	3.78	4986	1020	4.89	6279	1372	4.58
Mar	4174	733	5.69	4469	1144	3.91	4235	1234	3.43	4852	1037	4.68
Annual	28649	5693	5.03	24753	7146	3.46	16137	5706	2.83	20599	6800	3.03

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.



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