

# Williams Lake School

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### Power Consumption Estimates – Constant Speed Pumps vs. WILO Stratos New Project – “P1” Hp ratings from pump selection software (Blue Angel Load Profile)

Full Load 10%, Partial Load 15%, Low Load 44%, Setback 35%

Service	GPM	Head	Control	Hp	KW Hrs	Hp	KW Hrs	KW Hrs
				P1 Stratos	Annual	Std	Annual	Difference
Leaving Furnace Rm	200	29'	Delta PV & LON	2.04	3797	3.16	12990	9193
1966 Rad & Coil	200	43'	Delta PV & LON	2.13	4489	4.09	15870	11381
Lunch Room/Dorm	200	40'	Delta PV & LON	2.11	4342	3.89	15580	11238
Ind Arts	200	32'	Delta PV & LON	2.08	4006	3.27	12560	8554
Boiler Room	200	6'	Delta PV & LON	0.89	1387	1.15	4544	3157
Gym	182	19'	Delta PV & LON	1.39	2589	2.35	8981	6392
1995 Rad Addn	194	37'	Delta PV & LON	2.1	4348	3.21	15050	10702
1995 Coil Addn	33	15'	Delta PV & LON	0.2	302	0.38	1357	1055
Office	21	36'	Delta PV & LON	0.387	879	0.77	2755	1876
Ent Furnace Rm	200	15'	Delta PV & LON	1.45	2298	2.21	9186	6888
P10 (New)	12.2	12'	Delta PV & LON	0.07	169	0.23	644	475
P11 (New)	52	12'	Delta PV & LON	0.26	501	0.41	1466	965
P12 (New)	52	12'	Delta PV & LON	0.26	501	0.41	1466	965
Tot Annual KW Usage					29608		102449	72841

Heating Days	240
Heating Hrs/Day	24
Annual Heating Hours	5760

Annual \$ Saving      \$7,284  
Savings based on Years      \$72,841

Enter KWh Cost Here	0.1
Enter # of Years Here	10

