

# Sample of Maine Schools Annual Energy Use Worksheet

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file:E:\Current Project Files\Masters\GMS vs. GHS Annual Energy Use 2007-2008.xls

A	B	C	D	E	F	G	H	I	J	K	L
<b>A. Schools with Heating Only</b>											
School	Area Sq. Ft.	Electricity KWH/Yr	Electricity Btuh/SF/Yr	No2 Fuel Oil Total Gals/Yr	No2 Fuel Oil Btuh/SF/Yr	Site Energy Btuh/SF/Yr	Electricity Annual Cost	No. 2 Fuel Oil Annual Cost	Energy Annual Cost	Energy Cost/SF/Yr	Electricity KWH/SF/Yr
1. Elementary School A	13,800	68,880	17,035	4,014	40,285	57,321	\$9,505	\$11,239	\$20,745	\$1.50	4.99
2. Elementary School B	35,978	144,903	13,746	10,625	40,902	54,648	\$19,997	\$29,750	\$49,747	\$1.38	4.03
3. Elementary School C	125,525	606,800	16,499	40,787	45,003	61,502	\$83,738	\$114,204	\$197,942	\$1.58	4.83
4. High School D	140,000	547,160	13,339	62,433	61,764	75,103	\$75,508	\$174,812	\$250,320	\$1.79	3.91
5. Elementary School E	25,550	111,863	14,943	11,130	60,333	75,276	\$15,437	\$31,164	\$46,601	\$1.82	4.38
6. Middle School F	25,321	125,220	16,878	9,778	53,483	70,362	\$17,280	\$27,378	\$44,659	\$1.76	4.95
7. Elementary School G	35,000	210,320	20,509	13,045	51,621	72,130	\$29,024	\$36,526	\$65,550	\$1.87	6.01
8. Elementary School H	7,400	30,130	13,896	3,632	67,977	81,874	\$4,158	\$10,170	\$14,328	\$1.94	4.07
9. Elementary School I	17,694	69,724	13,449	9,366	73,312	86,762	\$9,622	\$26,225	\$35,847	\$2.03	3.94
10. Elementary School J	40,035	180,360	15,376	19,479	67,387	82,763	\$24,890	\$54,541	\$79,431	\$1.98	4.51
11. High School K	131,206	678,800	17,657	28,318	29,892	47,550	\$93,674	\$79,290	\$172,965	\$1.32	5.17
12. Middle School L	47,722	199,305	14,254	19,770	57,377	71,631	\$27,504	\$55,356	\$82,860	\$1.74	4.18
13. Elementary School M	16,572	78,680	16,204	3,894	32,544	48,748	\$10,858	\$10,903	\$21,761	\$1.31	4.75
14. Elementary School N	11,000	32,756	10,163	3,586	45,151	55,314	\$4,520	\$10,041	\$14,561	\$1.32	2.98
15. Elementary School O	14,350	42,970	10,220	7,524	72,618	82,838	\$5,930	\$21,067	\$26,997	\$1.88	2.99
16. Elementary School P	19,000	39,776	7,145	6,235	45,450	52,595	\$5,489	\$17,458	\$22,947	\$1.21	2.09
17. Middle School Q	58,800	100,320	5,823	17,063	40,191	46,014	\$13,844	\$47,776	\$61,621	\$1.05	1.71
18. High School R	85,852	562,790	22,373	38,622	62,307	84,680	\$77,665	\$146,764	\$224,429	\$2.61	6.56
<b>19. Gorham High School 2007-2008</b>	<b>138,358</b>	<b>841,200</b>	<b>20,751</b>	<b>41,062</b>	<b>41,104</b>	<b>61,855</b>	<b>\$115,907</b>	<b>\$114,974</b>	<b>\$230,881</b>	<b>\$1.67</b>	<b>6.08</b>
<b>Average For Heating Only Schools</b>	<b>52,061</b>	<b>245,892</b>	<b>14,751</b>	<b>18,440</b>	<b>52,037</b>	<b>66,788</b>	<b>33,924</b>	<b>53,665</b>	<b>87,589</b>	<b>\$1.67</b>	<b>4.32</b>

## B. Schools 100% Air Conditioned

1. Middle School T	105,000	976,200	31,731	28,615	37,745	69,476	\$134,716	\$80,122	\$214,838	\$2.05	9.30
2. Middle School U	140,758	1,239,199	30,047	16,800	16,530	46,578	\$171,009	\$47,040	\$218,049	\$1.55	8.80
<b>3. Gorham Middle School 2007-2008</b>	<b>138,358</b>	<b>1,215,120</b>	<b>29,974</b>	<b>1,460</b>	<b>1,461</b>	<b>31,436</b>	<b>\$171,332</b>	<b>\$1,615</b>	<b>\$172,947</b>	<b>\$1.25</b>	<b>8.78</b>
<b>Average For 100% Air Conditioned Schools</b>	<b>128,039</b>	<b>1,143,506</b>	<b>30,584</b>	<b>15,625</b>	<b>18,579</b>	<b>49,163</b>	<b>\$157,804</b>	<b>\$43,750</b>	<b>\$201,554</b>	<b>\$1.62</b>	<b>8.96</b>

**M**

**Total**

No2 Fuel Oil  
Gals/SF/Yr

0.29

0.30

0.32

0.45

0.44

0.39

0.37

0.49

0.53

0.49

0.22

0.41

0.23

0.33

0.52

0.33

0.29

0.45

0.30

0.38

0.27

0.12

0.01

0.13