

ENERGY SAVINGS CALCULATION

Assuming electrical costs for a traditional school are \$1.25/sf and these costs would inflate at 3.5% to 5%/year, HCS will save between \$68 million and \$97 million in electrical costs over 40 years. Lastly, the proposed facilities will contain premium materials and systems with longer warranties than are typical in the marketplace.

Cost per SF	\$1.25	\$1.25
SF	645,000	645,000
Inflation Factor	3.50%	5.00%
Year	Electric Cost for 5 New Schools	Electric Cost for 5 New Schools
1	806,250	806,250
2	834,469	846,563
3	863,675	888,891
4	893,904	933,335
5	925,190	980,002
6	957,572	1,029,002
7	991,087	1,080,452
8	1,025,775	1,134,475
9	1,061,677	1,191,198
10	1,098,836	1,250,758
11	1,137,295	1,313,296
12	1,177,101	1,378,961
13	1,218,299	1,447,909
14	1,260,940	1,520,305
15	1,305,072	1,596,320
16	1,350,750	1,676,136
17	1,398,026	1,759,943
18	1,446,957	1,847,940
19	1,497,601	1,940,337
20	1,550,017	2,037,354
21	1,604,267	2,139,221
22	1,660,417	2,246,182
23	1,718,531	2,358,491
24	1,778,680	2,476,416
25	1,840,934	2,600,237
26	1,905,366	2,730,249
27	1,972,054	2,866,761
28	2,041,076	3,010,099
29	2,112,514	3,160,604
30	2,186,452	3,318,634
31	2,262,977	3,484,566
32	2,342,182	3,658,794
33	2,424,158	3,841,734
34	2,509,004	4,033,821
35	2,596,819	4,235,512
36	2,687,707	4,447,287
37	2,781,777	4,669,652
38	2,879,139	4,903,134
39	2,979,909	5,148,291
40	3,084,206	5,405,706
Total	\$68,168,661	\$97,394,818

NOTE:

\$4,455,041 (savings after 5 years)

\$6,564,495 (savings after 7 years)