

KSBA

SCHOOL ENERGY MANAGERS PROJECT

Energy Management Update—NKCES

- Statewide Kentucky’s public school districts are using less energy today than they used in fiscal year 2010.
 - ◊ Even with an increase of 7 million square feet of heated and cooled space (a 6.9% increase)
- Energy Utilization Index has dropped from 65 KBTU/SF/yr to 52.0 KBTU/SF/yr, a 20% increase in efficiency
- Savings from that energy reduction is over \$123 Million. Consumption savings alone are over \$108 Million
- Don’t be too enamored with FY2016 data. It was a very mild year with 20% less heating and cooling degree days
- Managing energy is a year round process not a once a year event.
- Electric rates will continue to rise which drive overall energy costs up. In fact, KU/LGE have just filed to increase rates in the next calendar year. Other providers will likely follow suit over time.
- ENERGY STAR schools have increased from 8 in 2008 to 374 today. This an external measure of the energy efficiency schools have achieved across the state.

RANK	District	EUI 2010	EUI 2016	Potential Savings EUI 50	Potential Savings EUI 40	Potential Savings EUI 30
82	Beechwood	68.8	49.8	\$ -	\$ 34,623	\$ 70,052
161	Bellevue	68.4	66.4	\$ 37,305	\$ 60,097	\$ 82,889
156	Boone	74.0	64.1	\$ 715,126	\$ 1,223,700	\$ 1,732,274
81	Bracken	55.0	49.3	\$ -	\$ 44,618	\$ 92,531
153	Covington Ind.	80.5	63.2	\$ 146,458	\$ 257,130	\$ 367,803
125	Dayton	67.4	55.2	\$ 16,426	\$ 48,069	\$ 79,712
15	Erlanger	56.9	39.5	\$ -	\$ -	\$ 89,217
98	Fort Thomas	72.2	51.3	\$ 12,675	\$ 111,044	\$ 209,414
136	Ludlow	107.9	57.5	\$ 16,752	\$ 39,121	\$ 61,491
90	Newport	44.5	50.6	\$ 3,590	\$ 67,469	\$ 131,348
46	Pendleton	55.9	44.3	\$ -	\$ 50,847	\$ 170,334
42	Silver Grove	69.2	44.1	\$ -	\$ 4,892	\$ 405,604
25	South Gate	47.2	41.7	\$ -	\$ 1,332	\$ 237,189
6	Walton-Verona	44.6	36.2	\$ -	\$ -	\$ 154,180
51	Williamstown	63.3	44.8	\$ -	\$ 13,699	\$ 217,619
TOTALS for NKCES				\$ 948,331	\$ 1,956,641	\$ 4,101,657

If net savings are less than zero it indicates that savings for some years were negative or that baseline data is incorrect.

NKCES

DISTRICT ENERGY UTILIZATION INDICATOR
(Lower is better, State Avg = 52.0)

