

Let's Save Energy



School Energy Managers Project



December 2014

Energy Management Report for FY 2013/14:

Good news for some school districts, abundant opportunity for others

The annual Energy Management Report required by KRS160.325 and Board Policy 05.23 has been completed for fiscal year 2013/14 and submitted to the General Assembly and the Energy and Environment Cabinet. The compilation of this report provides the status of energy management implementation across Kentucky's Public K-12 schools; the progress districts are making in enacting board policy and statutes; and, the energy challenges public schools face going forward.

This year's report includes information on the statewide energy costs, energy usage and square footage for both the base year and the recent fiscal year. The report also includes a frequency distribution of the Energy Utilization Index and a ranking of energy efficiency by district.

Highlights include:

- ◆ 100% of districts reporting (first time ever)
- ◆ Kentucky's school districts are using less energy today than they were in fiscal year 2010 even though the conditioned space in those districts has increased over 5 million square feet.
- ◆ Fiscal year 2014 Energy Utilization Index of 60.6kBtu/sf/yr. compared to Base Fiscal year Energy Utilization Index of 65.1kBtu/sf/yr.
- ◆ 114 of the 173 districts have lowered their Energy Utilization Index since SEMP program inception
- ◆ Even with the exceptionally cold winter of 2013/14, 48 school districts lowered their overall Energy Utilization Index from fiscal year 2012/13 to fiscal year 2013/14.
- ◆ \$47+ Million Dollars Cumulative Avoided Costs since fiscal year 2010 have been redirected back into school budgets

There's lots of good news already for the districts which have embraced energy management. There remains abundant opportunity for those who have not taken significant actions.

The complete report can be found on the KSBA website. <http://ksba.org/EnergyManagementReport.aspx>

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ENERGY MANAGEMENT

Conditioned Space

✓ District Energy Committee

District Energy Plan

Building Automation

✓ Energy Costs

Energy Usage

✓ ENERGY STAR Schools

✓ Avoided Costs

Table 3 District Ranking by Energy Utilization Index

Rank	District	2010 EUI	2014 EUI	Rank	District	2010 EUI	2014 EUI	Rank	District	2010 EUI	2014 EUI
1	Owen	62.5	37.9	59	South Gate	47.2	54.1	117	Grant	70.7	64.8
2	Butler	42.8	38.3	60	Science Hill	56.5	54.1	118	Pike County	64.9	64.8
3	Corbin	51.6	41.0	61	Carter	59.3	54.3	119	Taylor	64.7	64.9
4	Walton-Vero	44.6	42.5	62	Ohio	64.4	54.4	120	Lewis	65.6	65.5
5	Scott	53.3	42.7	63	Knott	DNR	54.4	121	Perry	67.0	65.5
6	Anderson	52.3	43.4	64	Williamsburg	54.9	54.6	122	Bardstown	62.8	66.1
7	Burgin	60.5	44.5	65	Fleming	69.8	54.6	123	Ballard	80.1	66.5
8	Oldham	45.7	44.9	66	Caldwell	60.7	54.6	124	Mercer	78.3	66.5
9	Martin	DNR	45.2	67	Greenup	64.1	54.8	125	Elizabethtown	72.9	66.6
10	Casey	49.5	45.3	68	Paducah	73.9	55.0	126	Pikeville	81.9	66.7
11	Henry	67.7	45.4	69	Marion	60.3	55.0	127	Laurel	DNR	66.8
12	Gallatin	60.0	45.6	70	Russellville	52.5	55.2	128	Barbourville	76.8	67.2
13	Meade	48.7	45.7	71	Cumberland	71.1	55.8	129	Jefferson	68.2	67.3
14	Russell	80.5	46.0	72	McCracken	62.7	55.9	130	Washington	83.5	67.4
15	Murray	47.2	46.0	73	Augusta	55.6	55.9	131	Nicholas	80.7	68.0
16	Bullitt	53.7	46.3	74	Pulaski	52.4	56.4	132	Todd	70.0	68.1
17	Erlanger	56.9	46.4	75	Pineville	54.7	56.4	133	Beechwood	62.6	68.2
18	Warren	50.7	46.6	76	Frankfort	80.7	56.5	134	LaRue	55.1	68.4
19	Shelby	71.6	47.2	77	Owsley	DNR	56.6	135	Montgomery	70.2	68.7
20	Hancock	57.8	47.4	78	Whitley	57.7	56.7	136	Danville	64.6	68.9
21	Dawson Springs	61.0	47.7	79	Elliott	DNR	57.0	137	Carroll	82.9	69.0
22	Jessamine	50.3	47.8	80	Hazard	87.2	57.0	138	Bell	104.3	69.0
23	Wayne	64.2	47.8	81	Bracken	55.0	57.2	139	Wolfe	DNR	69.1
24	Letcher	62.9	48.1	82	West Point	DNR	57.6	140	Berea	75.7	69.2
25	Robertson	114.5	48.5	83	Calloway	56.2	57.8	141	Owensboro	70.1	69.3
26	Hardin	54.3	48.9	84	Jenkins	DNR	58.2	142	Eminence	85.3	69.6
27	Glasgow	62.6	49.5	85	East Bernstadt	DNR	58.2	143	Mayfield	60.9	69.6
28	Russell Ind	70.3	49.6	86	Paris	59.6	58.7	144	Campbellsville	76.4	70.4
29	Lee	78.3	50.0	87	Lyon	53.7	58.7	145	Muhlenberg	68.5	70.4
30	McLean	45.9	50.1	88	Rockcastle	59.9	59.1	146	Boone	74.0	70.5
31	Paintsville	53.3	50.4	89	Kenton	64.9	59.2	147	Fayette	78.2	72.0
32	Trimble	52.3	50.5	90	Carlisle	46.9	59.5	148	Fort Thomas	72.2	72.6
33	Harlan Ind	52.3	50.5	91	Logan	54.5	59.5	149	Hickman	67.6	72.9
34	Metcalfe	60.9	50.5	92	Cloverport	72.7	59.7	150	Union	69.1	73.1
35	Monroe	48.6	50.6	93	Madison	56.4	59.8	151	Graves	DNR	73.5
36	Edmonson	58.7	50.6	94	Newport	44.5	60.0	152	Ludlow	107.9	73.9
37	Magoffin	64.7	50.8	95	Harlan County	55.7	60.0	153	Hopkins	71.7	74.0
38	Livingston	56.9	51.0	96	Bourbon	65.0	60.1	154	Breckinridge	72.1	74.8
39	Clinton	53.5	51.0	97	Nelson	43.8	60.2	155	Middlesboro	86.0	75.4
40	Lawrence	68.6	51.1	98	Raceland-Worthington	67.0	60.7	156	Bellevue	68.4	75.4
41	Allen	57.1	51.3	99	Christian	70.1	60.8	157	Marshall	70.9	75.8
42	Estill	53.4	51.5	100	Dayton	67.4	60.9	158	Campbell	70.2	77.3
43	Pendleton	55.9	51.6	101	Rowan	72.3	60.9	159	Henderson	74.1	77.9
44	Williamstown	63.3	52.2	102	Mason	59.2	60.9	160	Bath	87.8	78.0
45	Trigg	60.2	52.3	103	Webster	75.5	61.0	161	Breathitt	64.0	78.7
46	Adair	71.1	52.7	104	Johnson	78.2	61.2	162	Covington Ind.	80.5	79.5
47	Daviess	53.9	52.7	105	Harrison	61.9	61.2	163	Hart	73.5	79.5
48	Boyle	65.9	52.8	106	Lincoln	70.7	62.3	164	Anchorage	73.8	80.2
49	Floyd	52.0	52.9	107	Clark	74.7	62.5	165	Caverna	84.2	81.4
50	Silver Grove	69.2	52.9	108	Morgan	116.8	62.7	166	Ashland	75.1	82.2
51	Woodford	63.5	53.1	109	Franklin	87.3	63.1	167	Somerset	89.8	82.5
52	Barren	49.8	53.1	110	Clay	63.3	63.2	168	Menifee	90.4	86.2
53	Jackson Co	57.4	53.3	111	Fulton Ind.	69.0	63.2	169	Fairview	73.0	86.2
54	Boyd	81.2	53.4	112	Simpson	73.6	63.4	170	Powell	97.0	90.4
55	Knox	64.8	53.5	113	Bowling Green	73.6	63.9	171	Green	88.2	92.5
56	Grayson	60.0	53.7	114	Fulton Co	69.4	63.9	172	McCreary	94.8	94.5
57	Crittenden	57.1	53.8	115	Leslie	55.6	64.1	173	Jackson Ind	117.6	112.8
58	Spencer	DNR	54.0	116	Garrard	51.5	64.4				