High Performance Schools Conference

March 10, 2015

ENERGY STAR AWARD 2014
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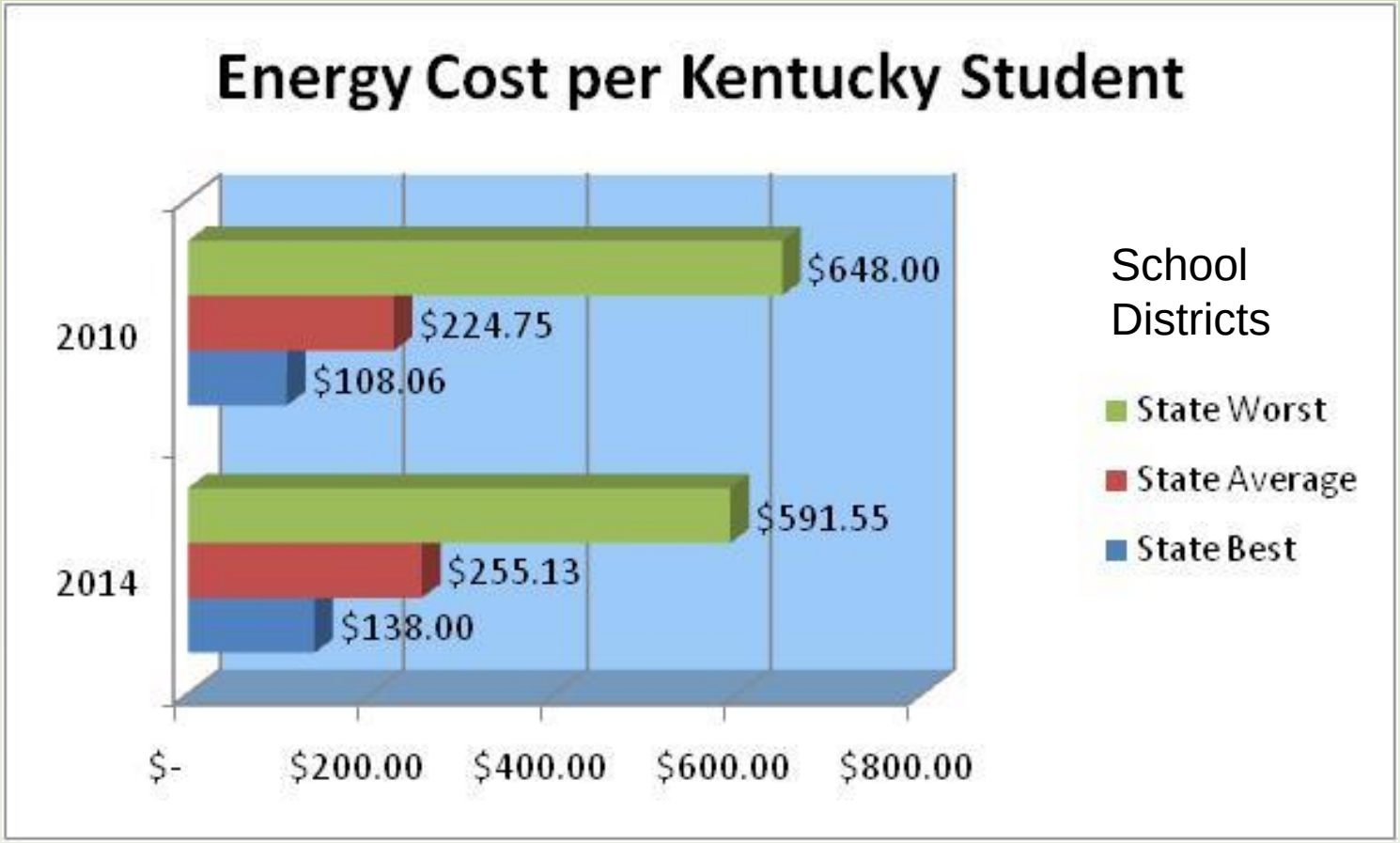
The Case for Change



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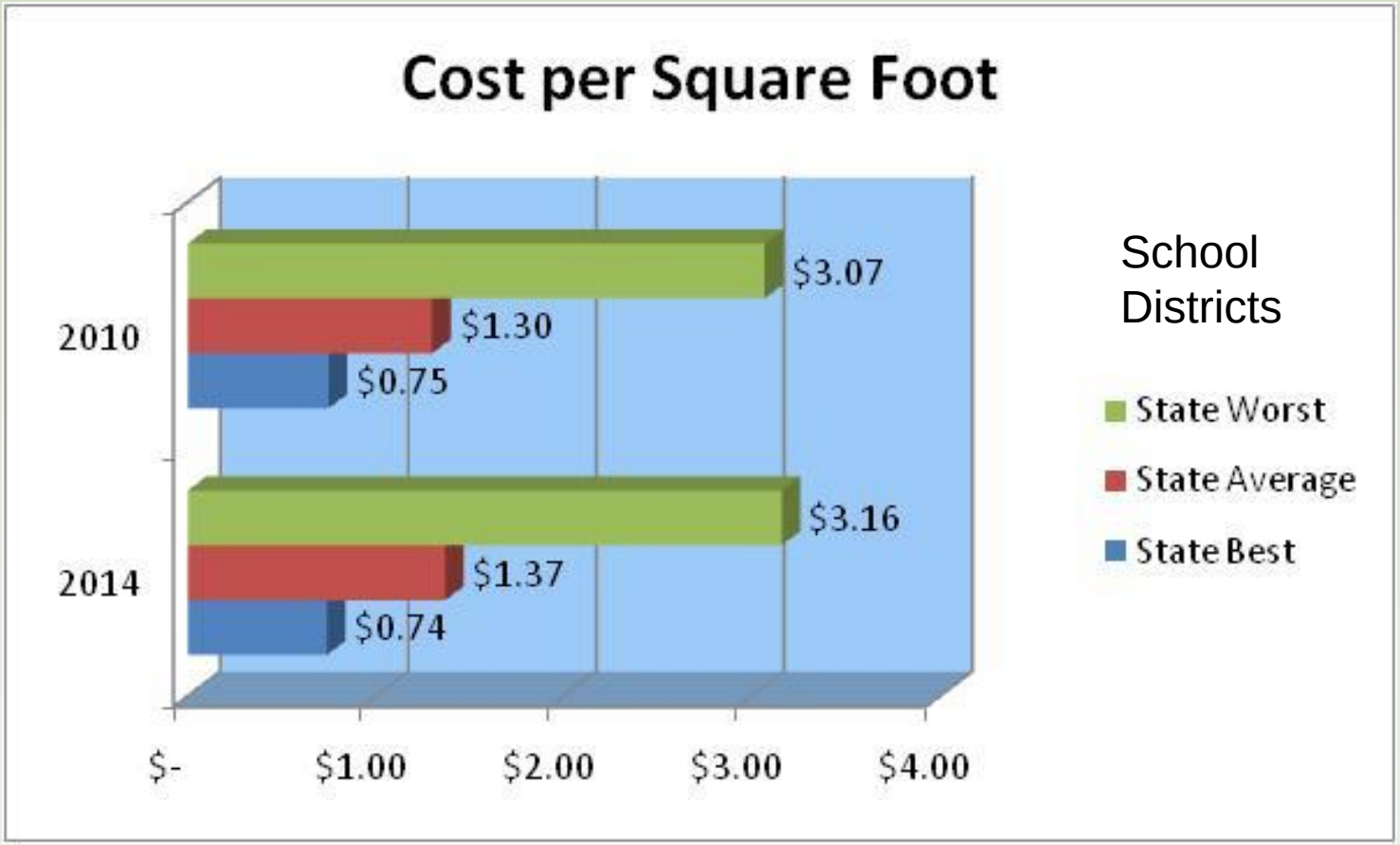
The Case for Change



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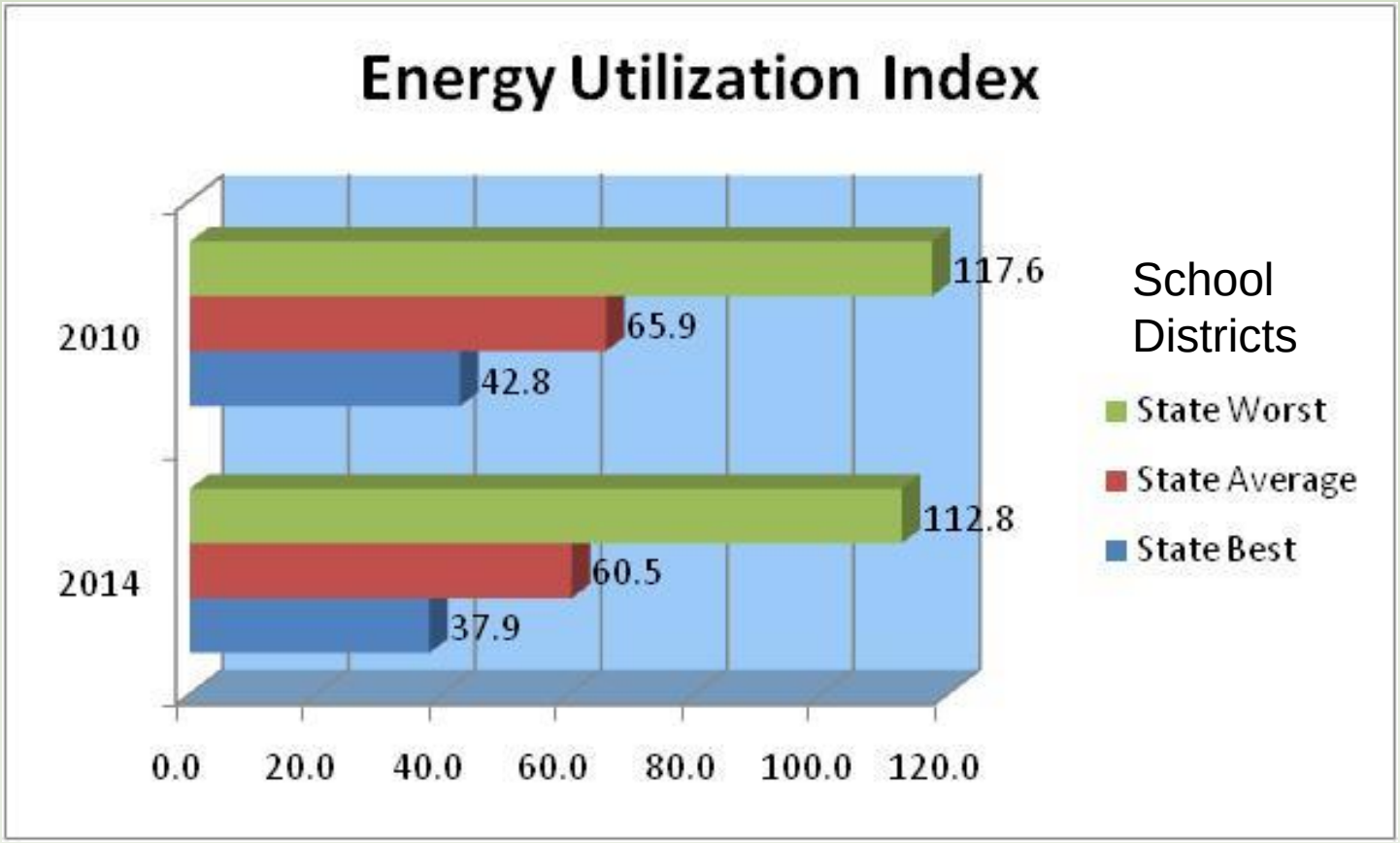
The Case for Change



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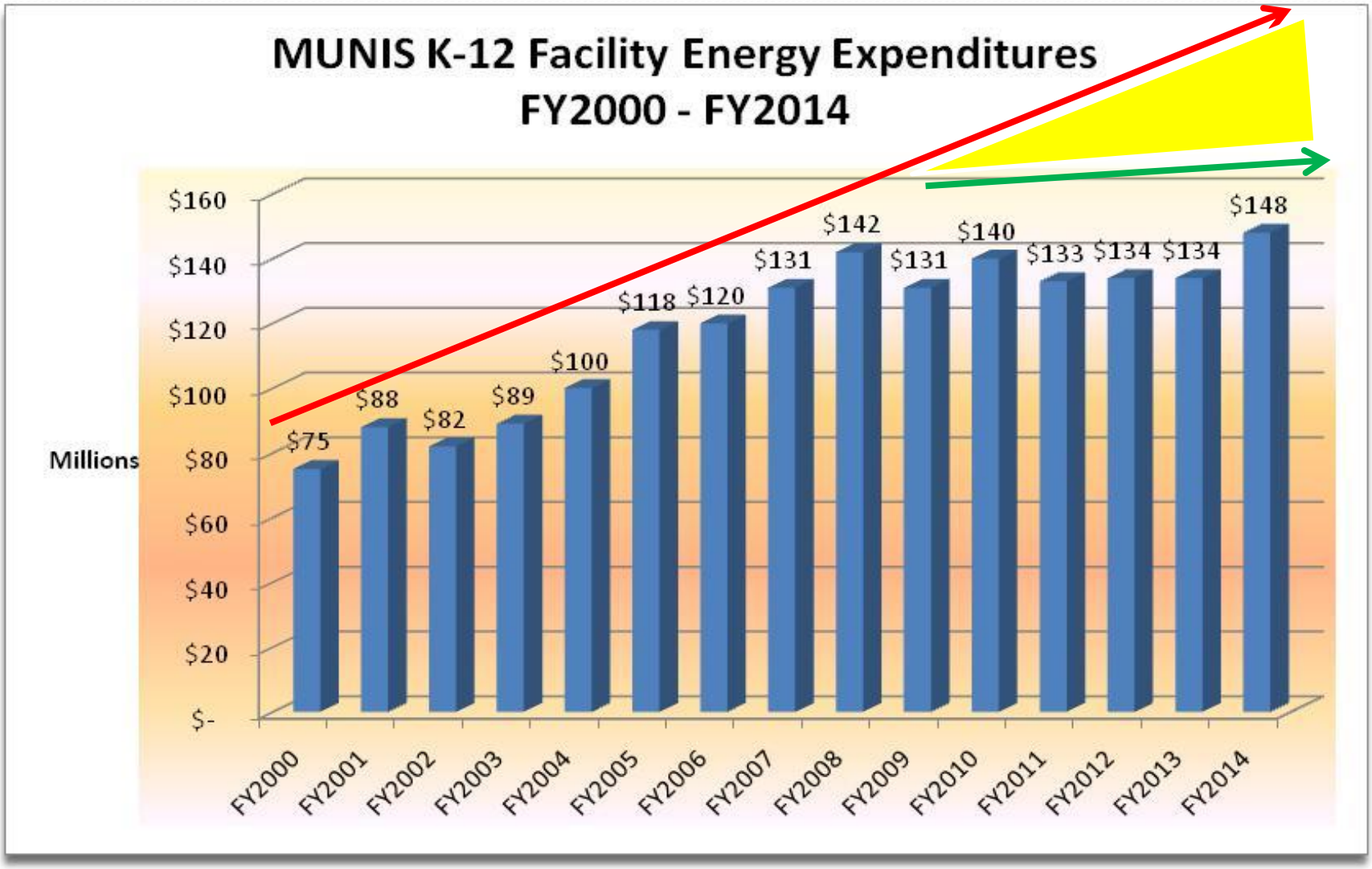

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Avoided Costs

	FY13FY14	Cumulative
Consumption	$ 10,913,104	$ 37,868,024
Rebates	$ 393,528	$ 1,467,915
Refunds		$ 846,098
Rate Correction	$ 1,852,811	$ 6,081,790
Rate Intervention	$ 350,000	$ 2,032,752
Total		**$ 48,296,579**

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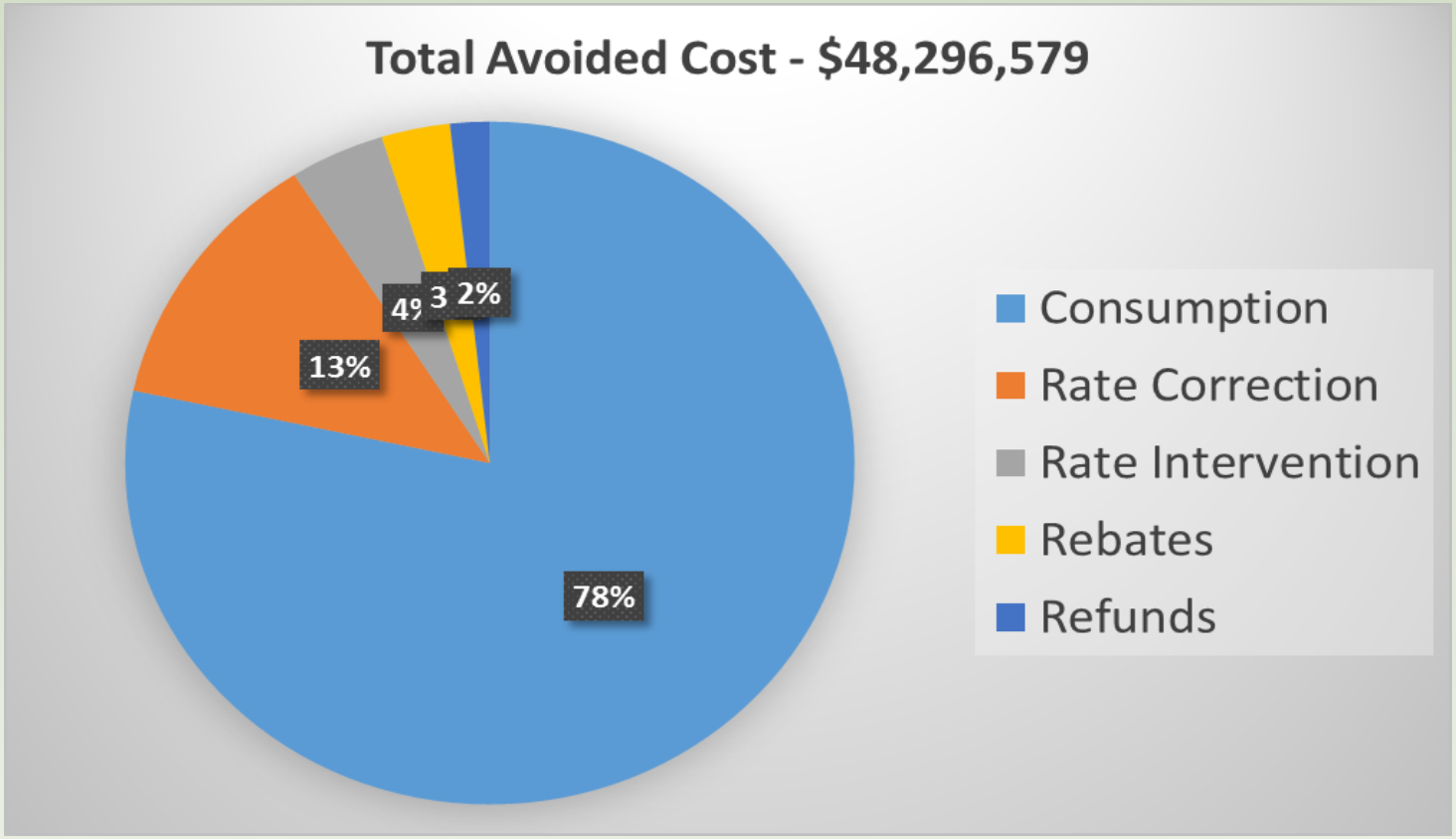
Avoided Costs



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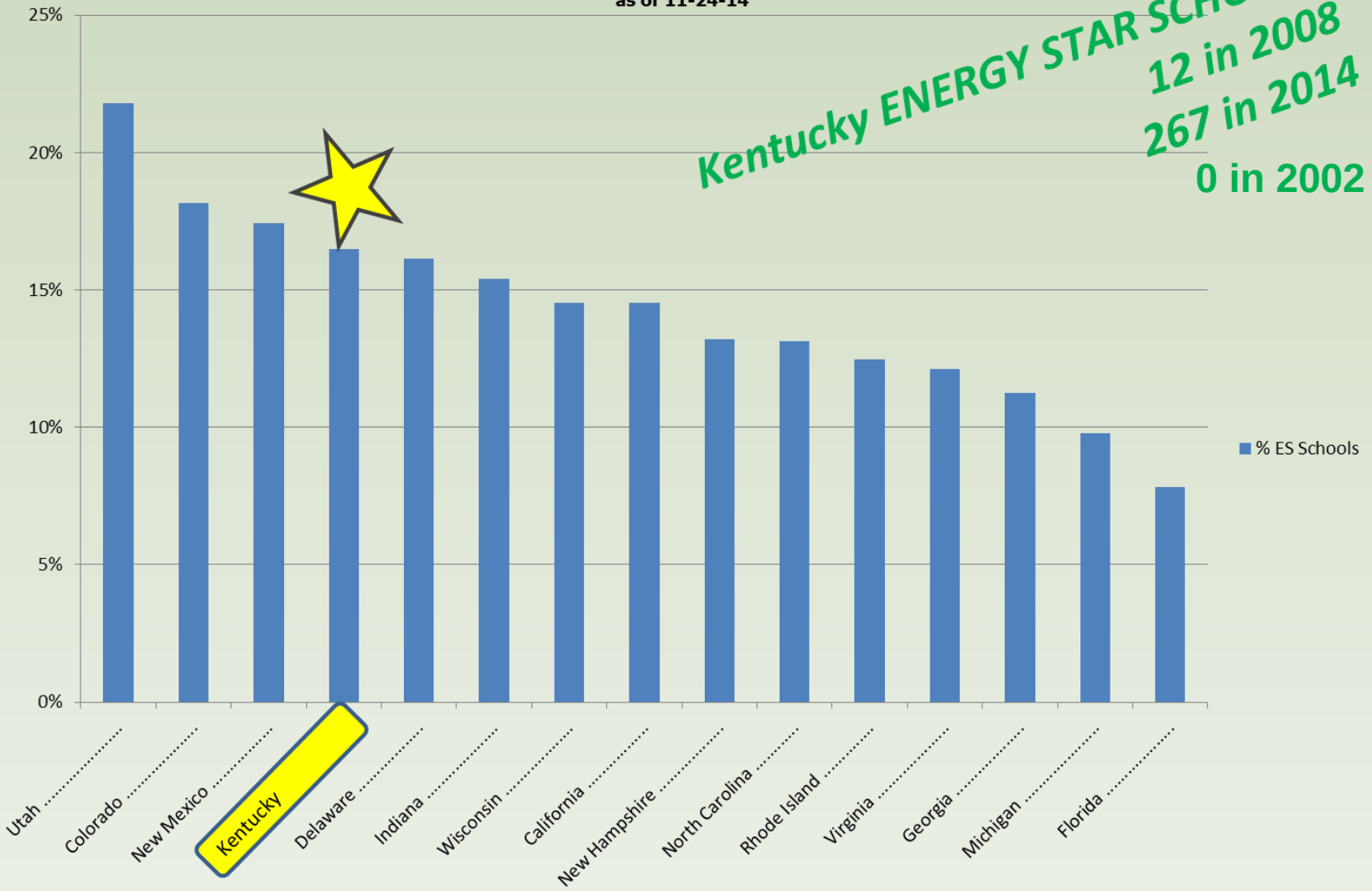
Percent ENERGY STAR Schools

by State

as of 11-24-14



Kentucky ENERGY STAR SCHOOLS

12 in 2008

267 in 2014

0 in 2002

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Fundamental Challenge

- Core Business of Schools is Education
  - Difficult to fund non-classroom position
  - Look for grants
- Their Background is Education – not finance or energy
  - Fill positions from within district
- "not my money….just pay the bill"

Why an Energy Manager?

- Dedicated resource:
  - No priority shuffling
  - Significant ROI
  - Knowledgeable connection to utility companies

- Skilled resource:
  - Evaluates and presents energy saving options
  - Facilitates policy compliance
  - Translates technical information

"Boots on the Ground"

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EUI Ranking for Kentucky School Districts

2014 Rank	District	2010 EUI	2014 EUI	2010 Rank
1	Owen	62.5	37.9	67
2	Butler	42.8	38.3	1
3	Corbin	51.6	41.0	17
4	Walton-Verona	44.6	42.5	4
5	Scott	53.3	42.7	25
6	Anderson	52.3	43.4	19
7	Burgin	60.5	44.5	61
8	Oldham	45.7	44.9	5
9	Martin	DNR	45.2	163
10	Casey	49.5	45.3	12
11	Henry	67.7	45.4	93
12	Gallatin	60.0	45.6	57
13	Meade	48.7	45.7	11
14	Murray	47.2	46.0	8
15	Russell	80.5	46.0	140
16	Bullitt	53.7	46.3	29
17	Erlanger	56.9	46.4	45
18	Warren	50.7	46.6	15
19	Shelby	71.6	47.2	114
20	Hancock	57.8	47.4	51
21	Dawson Springs	61.0	47.7	65
22	Jessamine	50.3	47.8	14
23	Wayne	64.2	47.8	78
24	Letcher	62.9	48.1	72
25	Robertson	114.5	48.5	160
26	Hardin	54.3	48.9	32
27	Glasgow	62.6	49.5	68
28	Russell ind	70.3	49.6	108
29	Lee	78.3	50.0	137
30	Mclean	45.9	50.1	6

2014 Rank	District	2010 EUI	2014 EUI	2010 Rank
31	Paintsville	53.3	50.4	26
32	Trimble	52.3	50.5	20
33	Harlan Ind	52.3	50.5	21
34	Metcalfe	60.9	50.5	63
35	Monroe	48.6	50.6	10
36	Edmonson	58.7	50.6	52
37	Magoffin	64.7	50.8	81
39	Clinton	53.5	51.0	28
38	Livingston	56.9	51.0	46
40	Lawrence	68.6	51.1	97
41	Allen	57.1	51.3	47
42	Estill	53.4	51.5	27
43	Pendleton	55.9	51.6	41
44	Williamstown	63.3	52.2	73
45	Trigg	60.2	52.3	59
47	Daviess	53.9	52.7	31
46	Adair	71.1	52.7	112
48	Boyle	65.9	52.8	88
49	Floyd	52.0	52.9	18
50	Silver Grove	69.2	52.9	100
52	Barren	49.8	53.1	13
51	Woodford	63.5	53.1	75
53	Jackson Co	57.4	53.3	49
54	Boyd	81.2	53.4	144
55	Knox	64.8	53.5	83
56	Grayson	60.0	53.7	58
57	Crittenden	57.1	53.8	48
58	Spencer	DNR	54.0	164
59	South Gate	47.2	54.1	9
60	Science Hill	56.5	54.1	44

KSBA "A brighter future through better public schools"

ENERGY STAR AWARD 2014 PARTNER OF THE YEAR

SEMP

EUI Ranking for Kentucky School Districts

2014 Rank	District	2010 EUI	2014 EUI	2010 Rank
61	Carter	59.3	54.3	54
62	Ohio	64.4	54.4	79
63	Knott	DNR	54.4	165
64	Williamsburg	54.9	54.6	35
66	Caldwell	60.7	54.6	62
65	Fleming	69.8	54.6	102
67	Greenup	64.1	54.8	77
69	Marion	60.3	55.0	60
68	Paducah	73.9	55.0	126
70	Russellville	52.5	55.2	23
71	Cumberland	71.1	55.8	113
73	Augusta	55.6	55.9	38
72	McCracken	62.7	55.9	70
74	Pulaski	52.4	56.4	22
75	Pineville	54.7	56.4	34
76	Frankfort	80.7	56.5	142
77	Owsley	DNR	56.6	166
78	Whitley	57.7	56.7	50
80	Hazard	87.2	57.0	150
79	Elliott	DNR	57.0	167
81	Bracken	55.0	57.2	36
82	West Point	DNR	57.6	168
83	Calloway	56.2	57.8	42
84	Jenkins	DNR	58.2	169
85	East Bernstadt	DNR	58.2	170
87	Lyon	53.7	58.7	30
86	Paris	59.6	58.7	55
88	Rockcastle	59.9	59.1	56
89	Kenton	64.9	59.2	84
90	Carlisle	46.9	59.5	7

2014 Rank	District	2010 EUI	2014 EUI	2010 Rank
91	Logan	54.5	59.5	33
92	Cloverport	72.7	59.7	119
93	Madison	56.4	59.8	43
94	Newport	44.5	60.0	3
95	Harlan County	55.7	60.0	40
96	Bourbon	65.0	60.1	86
97	Nelson	43.8	60.2	2
98	Raceland-Worthi	67.0	60.7	89
99	Christian	70.1	60.8	104
102	Mason	59.2	60.9	53
100	Dayton	67.4	60.9	91
101	Rowan	72.3	60.9	118
103	Webster	75.5	61.0	131
105	Harrison	61.9	61.2	66
104	Johnson	78.2	61.2	135
106	Uncoln	70.7	62.3	109
107	Clark	74.7	62.5	129
108	Morgan	116.8	62.7	161
109	Franklin	87.3	63.1	151
110	Clay	63.3	63.2	74
111	Fulton Ind.	69.0	63.2	98
112	Simpson	73.6	63.4	123
114	Fulton Co	69.4	63.9	101
113	Bowling Green	73.6	63.9	124
115	Leslie	55.6	64.1	39
116	Garrard	51.5	64.4	16
118	Pike County	64.9	64.8	85
117	Grant	70.7	64.8	110
119	Taylor	64.7	64.9	82
120	Lewis	65.6	65.5	87

KSBA
ENERGY STAR AWARD 2014
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SEMP

EUI Ranking for Kentucky School Districts

2014 Rank	District	2010 EUI	2014 EUI	2010 Rank
121	Perry	67.0	65.5	90
122	Bardstown	62.8	66.1	71
124	Mercer	78.3	66.5	138
123	Ballard	80.1	66.5	139
125	Elizabethtown	72.9	66.6	120
126	Pikeville	81.9	66.7	145
127	Laurel	DNR	66.8	171
128	Barbourville	76.8	67.2	134
129	Jefferson	68.2	67.3	94
130	Washington	83.5	67.4	147
131	Nicholas	80.7	68.0	143
132	Todd	70.0	68.1	103
133	Beechwood	62.6	68.2	69
134	LaRue	55.1	68.4	37
135	Montgomery	70.2	68.7	106
136	Danville	64.6	68.9	80
137	Carroll	82.9	69.0	146
138	Bell	104.3	69.0	158
139	Wolfe	DNR	69.1	172
140	Berea	75.7	69.2	132
141	Owensboro	70.1	69.3	105
143	Mayfield	60.9	69.6	64
142	Eminence	85.3	69.6	149
145	Muhlenberg	68.5	70.4	96
144	Campbellsville	76.4	70.4	133
146	Boone	74.0	70.5	127
147	Fayette	78.2	72.0	136
148	Fort Thomas	72.2	72.6	117
149	Hickman	67.6	72.9	92
150	Union	69.1	73.1	99

2014 Rank	District	2010 EUI	2014 EUI	2010 Rank
151	Graves	DNR	73.5	173
152	Ludlow	107.9	73.9	159
153	Hopkins	71.7	74.0	115
154	Breckinridge	72.1	74.8	116
155	Bellevue	68.4	75.4	95
156	Marshall	70.9	75.8	111
157	Campbell	70.2	77.3	107
158	Henderson	74.1	77.9	128
159	Bath	87.8	78.0	152
160	Breathitt	64.0	78.7	76
162	Hart	73.5	79.5	122
161	Covington Ind.	80.5	79.5	141
163	Anchorage	73.8	80.2	125
164	Caverna	84.2	81.4	148
165	Ashland	75.1	82.2	130
166	Somerset	89.8	82.5	154
167	Middlesboro	52.6	84.7	24
169	Fairview	73.0	86.2	121
168	Menifee	90.4	86.2	155
170	Powell	97.0	90.4	157
171	Green	88.2	92.5	153
172	McCreary	94.8	94.5	156
173	Jackson Ind	117.6	112.8	162

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