

Appliance Standards Awareness Project

2026 State Appliance Standards Recommendations

Annual savings estimates for: Kentucky

	Potential annual savings in 2035							Payback period (years)
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)	Utility bill savings (million 2024\$)	
Commercial & industrial fans	218.8	--	--	8.1	5.6	29.7	15.5	1.7
Commercial battery chargers	4.4	--	--	0.2	0.1	0.6	0.3	4.3
Commercial dishwashers	9.1	116	161	5.6	0.3	7.4	5.1	1.0
Commercial fryers	0.5	374	--	17.0	0.1	19.8	4.5	2.5
Commercial ovens	5.3	38	--	1.9	0.1	2.8	1.0	6.2
Commercial steam cookers	1.7	16	42	0.8	0.05	1.1	1.1	0.8
Computer server power supplies	21.0	--	--	0.8	0.5	2.8	2.2	1.0
Electric motors	249.4	--	--	9.2	6.4	33.8	22.0	1.6
Faucets	47.5	162	1,022	9.1	1.3	15.0	25.5	0.0
Gas fireplaces	--	145	--	6.6	0.04	7.7	2.4	0.9
High CRI fluorescent lamps	12.7	--	--	0.5	0.3	1.7	1.3	2.3
Portable electric spas	37.8	--	--	1.4	1.0	5.1	4.4	1.7
Showerheads	66.8	167	975	10.1	1.8	17.9	27.3	0.0
Spray sprinkler bodies	--	--	1,217	--	--	--	20.8	0.8
Toilets (water closets)	--	--	593	--	--	--	10.1	0.0
Urinals	--	--	57	--	--	--	1.0	0.0
Water coolers	23.2	--	--	0.9	0.6	3.2	2.4	0.0
Total	698	1,018	4,068	72	18	149	147	--

Assuming a compliance date of 2028 for all the recommended standards except electric motors, which have an assumed compliance date of 2029. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, residential ventilating fans, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: **Kentucky**

	Potential cumulative savings through 2050						
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)	Utility bill savings (million 2024\$)
Commercial & industrial fans	5,115	--	--	154.8	123.3	528.3	385.5
Commercial battery chargers	133	--	--	3.7	2.4	12.7	9.0
Commercial dishwashers	217	2.8	3.9	132.3	5.6	168.9	127.7
Commercial fryers	15	10.2	--	461.0	3.2	539.1	121.8
Commercial ovens	145	1.0	--	51.4	3.2	69.3	27.6
Commercial steam cookers	46	0.4	1.1	21.3	1.1	27.9	31.4
Computer server power supplies	430	--	--	14.5	13.9	48.9	45.0
Electric motors	5,694	--	--	159.2	108.1	553.2	512.8
Faucets	1,141	3.8	24.5	204.3	26.4	314.3	649.1
Gas fireplaces	--	4.5	--	203.3	1.3	237.4	78.0
High CRI fluorescent lamps	143	--	--	6.5	8.6	21.5	15.0
Portable electric spas	825	--	--	24.8	19.9	85.2	96.6
Showerheads	1,602	4.0	23.4	228.7	36.7	373.3	692.0
Spray sprinkler bodies	--	--	29.2	--	--	--	542.7
Toilets (water closets)	--	--	20.5	--	--	--	388.9
Urinals	--	--	1.6	--	--	--	29.0
Water coolers	557	--	--	16.3	12.4	56.0	58.7
Total	16,062	27	104	1,682	366	3,036	3,811

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