Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Kentucky

	Potential annual savings in 2040								
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO_x (tons)	SO_2 (tons)	CO_2 (thousand metric tons)	Summer peak demand (MW)	Winter peak demand (MW)	Utility bills (million 2025$)
Commercial & industrial fans	238.5	--	--	12.5	2.4	27.8	36.3	31.8	20.8
Commercial battery chargers	6.3	--	--	0.3	0.1	0.7	0.7	0.7	0.5
Commercial dishwashers	30.6	132	197	7.6	0.4	10.5	1.8	4.1	9.7
Commercial fryers	0.8	573	--	26.0	0.2	30.4	0.1	0.2	9.7
Commercial ovens	8.1	59	--	3.1	0.1	4.1	1.2	1.5	2.0
Commercial steam cookers	2.6	25	64	1.3	0.03	1.6	0.4	0.5	1.9
Computer server power supplies	7.4	--	--	0.4	0.1	0.9	0.8	0.8	0.9
Electric motors	308.1	--	--	16.1	3.2	35.9	50.6	42.9	31.6
Faucets	39.2	144	854	8.6	0.4	12.2	5.0	8.9	23.3
Gas fireplaces	--	222	--	10.1	0.1	11.7	--	--	3.5
High CRI fluorescent lamps	6.1	--	--	0.3	0.1	0.7	1.1	0.9	0.8
Portable electric spas	22.2	--	--	1.2	0.2	2.6	1.4	1.4	2.8
Showerheads	87.1	219	1,274	14.5	1.0	21.7	11.2	19.7	38.3
Spray sprinkler bodies	--	--	5,283	--	--	--	--	--	41.8
Toilets (water closets)	--	--	872	--	--	--	--	--	16.4
Urinals	--	--	84	--	--	--	--	--	1.6
Water coolers	30.3	--	--	1.6	0.3	3.5	3.5	3.5	3.7
Total	**787**	**1,373**	**8,629**	**103**	**8**	**164**	**114**	**117**	**209**

Assuming a compliance date of 2029 for all the products. We have not estimated savings for commercial hot-food holding cabinets, computers and computer monitors, or residential ventilating fans due to insufficient data on the current market.

Cumulative savings estimates through 2050 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 bills (million 2025$)	Payback period (years)
Commercial & industrial fans	4,594.1	--	--	231.6	385.4	721.0	396.0	1.6
Commercial battery chargers	118.0	--	--	5.9	7.6	17.9	9.1	4.0
Commercial dishwashers	553.1	2.4	3.6	135.8	37.2	210.3	175.9	1.9
Commercial fryers	13.6	9.6	--	434.2	3.7	508.2	162.2	2.0
Commercial ovens	136.0	1.0	--	51.4	10.0	72.8	32.9	5.4
Commercial steam cookers	43.6	0.4	1.1	21.0	3.2	28.6	33.0	0.7
Computer server power supplies	143.7	--	--	7.3	15.2	23.4	17.1	2.9
Electric motors	5,499.5	--	--	277.9	485.3	864.3	555.3	1.5
Faucets	667.0	2.6	14.6	151.9	53.8	241.5	404.7	0.0
Gas fireplaces	--	4.2	--	190.2	1.2	222.1	66.0	0.9
High CRI fluorescent lamps	125.6	--	--	6.6	23.0	22.8	14.7	2.2
Portable electric spas	391.0	--	--	19.7	33.8	61.3	48.4	1.7
Showerheads	1,480.8	3.7	21.7	243.1	118.9	426.1	658.9	0.0
Spray sprinkler bodies	--	--	89.8	--	--	--	727.4	1.3
Toilets (water closets)	--	--	17.7	--	--	--	347.0	0.0
Urinals	--	--	1.4	--	--	--	27.3	0.0
Water coolers	514.5	--	--	25.9	40.9	79.7	61.8	0.0
Total	**14,280**	**24**	**150**	**1,803**	**1,219**	**3,500**	**3,738**	**–**

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