Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Kansas

	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	124.7	--	--	0.0	0.0	7.3	20.3	16.8	15.4
Commercial battery chargers	2.9	--	--	0.0	0.0	0.2	0.3	0.3	0.3
Commercial dishwashers	19.8	85	127	3.9	0.02	5.7	1.8	2.5	6.6
Commercial fryers	0.5	371	--	16.8	0.1	19.7	0.1	0.1	4.4
Commercial ovens	5.3	38	--	1.7	0.01	2.3	0.6	1.1	1.2
Commercial steam cookers	1.7	16	42	0.7	0.005	1.0	0.2	0.3	1.3
Computer server power supplies	11.3	--	--	0.0	0.0	0.7	1.3	1.3	1.7
Electric motors	187.1	--	--	0.0	0.0	10.9	31.7	25.6	26.2
Faucets	13.8	145	544	6.6	0.04	8.5	1.6	3.3	15.9
Gas fireplaces	--	132	--	6.0	0.04	7.0	--	--	2.0
High CRI fluorescent lamps	5.2	--	--	0.0	0.0	0.3	0.9	0.7	0.8
Portable electric spas	12.2	--	--	0.0	0.0	0.7	1.8	0.7	2.1
Showerheads	30.7	257	812	11.7	0.1	15.4	3.5	7.3	26.2
Spray sprinkler bodies	--	--	3,176	--	--	--	--	--	30.8
Toilets (water closets)	--	--	557	--	--	--	--	--	11.6
Urinals	--	--	55	--	--	--	--	--	1.1
Water coolers	23.7	--	--	0.0	0.0	1.4	2.7	2.7	3.5
Total	**439**	**1,046**	**5,313**	**47**	**0.3**	**81**	**67**	**63**	**151**

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: Kansas

	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	2,413.1	--	--	14.4	41.9	203.4	288.3	1.4
Commercial battery chargers	53.7	--	--	0.2	0.7	4.3	5.9	3.8
Commercial dishwashers	358.1	1.5	2.3	71.5	5.1	110.6	118.2	1.8
Commercial fryers	8.8	6.2	--	280.7	1.9	328.4	72.7	2.3
Commercial ovens	88.0	0.6	--	29.3	1.4	40.8	19.8	5.5
Commercial steam cookers	28.2	0.3	0.7	12.3	0.5	16.5	22.0	0.7
Computer server power supplies	220.6	--	--	2.1	5.6	20.1	30.9	2.7
Electric motors	3,336.4	--	--	20.5	60.2	284.8	452.0	1.3
Faucets	235.4	2.6	9.3	118.0	4.5	155.9	275.0	0.0
Gas fireplaces	--	2.5	--	113.6	0.7	132.6	38.3	0.9
High CRI fluorescent lamps	108.3	--	--	2.1	5.2	12.2	15.2	1.9
Portable electric spas	214.5	--	--	1.3	3.8	18.2	35.9	1.3
Showerheads	522.7	4.4	13.8	201.0	9.5	275.0	449.6	0.0
Spray sprinkler bodies	--	--	54.0	--	--	--	535.9	1.0
Toilets (water closets)	--	--	11.3	--	--	--	246.0	0.0
Urinals	--	--	0.9	--	--	--	19.6	0.0
Water coolers	402.1	--	--	2.2	6.3	33.5	56.9	0.0
Total	**7,990**	**18**	**92**	**869**	**147**	**1,636**	**2,682**	**–**

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