Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Missouri

	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	184.1	--	--	5.5	11.0	16.9	32.7	26.2	19.7
Commercial battery chargers	3.8	--	--	0.1	0.2	0.3	0.4	0.4	0.4
Commercial dishwashers	41.7	180	268	9.4	2.5	13.3	3.6	5.7	12.8
Commercial fryers	1.1	780	--	35.4	0.3	41.4	0.2	0.3	10.2
Commercial ovens	11.1	80	--	4.0	0.7	5.3	1.8	2.6	2.3
Commercial steam cookers	3.6	34	87	1.6	0.2	2.1	0.6	0.8	2.7
Computer server power supplies	21.1	--	--	0.6	1.3	1.9	2.4	2.4	2.5
Electric motors	325.2	--	--	9.7	19.4	29.9	56.9	45.3	38.6
Faucets	42.7	252	1,176	12.7	2.6	17.3	6.0	9.9	34.9
Gas fireplaces	--	213	--	9.7	0.1	11.3	--	--	3.9
High CRI fluorescent lamps	10.0	--	--	0.3	0.6	0.9	1.7	1.4	1.2
Portable electric spas	42.3	--	--	1.3	2.5	3.9	3.1	2.5	5.9
Showerheads	94.7	422	1,756	21.9	5.8	31.0	13.4	21.9	57.8
Spray sprinkler bodies	--	--	12,437	--	--	--	--	--	120.6
Toilets (water closets)	--	--	1,199	--	--	--	--	--	25.1
Urinals	--	--	115	--	--	--	--	--	2.4
Water coolers	44.2	--	--	1.3	2.6	4.1	5.0	5.0	5.2
Total	**825**	**1,960**	**17,038**	**113**	**50**	**180**	**128**	**125**	**346**

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: Missouri

	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	3,577.5	--	--	155.9	112.7	444.4	379.3	1.7
Commercial battery chargers	69.9	--	--	2.9	2.0	8.4	7.0	4.6
Commercial dishwashers	752.8	3.2	4.8	178.1	22.8	262.0	233.4	1.9
Commercial fryers	18.5	13.0	--	590.9	4.3	691.1	169.0	2.1
Commercial ovens	185.1	1.3	--	68.4	6.1	93.2	38.6	5.6
Commercial steam cookers	59.3	0.6	1.5	28.1	2.0	37.1	45.5	0.7
Computer server power supplies	412.4	--	--	20.4	16.4	55.4	47.6	3.0
Electric motors	5,796.2	--	--	262.4	199.5	731.6	681.2	1.3
Faucets	725.2	4.5	20.1	235.8	25.0	327.9	605.9	0.0
Gas fireplaces	--	4.0	--	182.8	1.2	213.4	74.3	0.8
High CRI fluorescent lamps	206.5	--	--	13.7	12.9	33.7	24.3	2.1
Portable electric spas	745.6	--	--	33.5	25.4	93.8	104.2	1.5
Showerheads	1,610.0	7.2	29.8	395.2	54.7	578.2	995.1	0.0
Spray sprinkler bodies	--	--	211.4	--	--	--	2,098.5	1.0
Toilets (water closets)	--	--	24.4	--	--	--	529.8	0.0
Urinals	--	--	1.9	--	--	--	41.2	0.0
Water coolers	751.9	--	--	32.8	24.6	92.9	87.2	0.0
Total	**14,911**	**34**	**294**	**2,201**	**510**	**3,663**	**6,162**	**–**

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