Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Tennessee

	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	278.7	--	--	13.8	0.0	30.0	46.5	36.6	27.7
Commercial battery chargers	6.4	--	--	0.3	0.0	0.7	0.7	0.7	0.5
Commercial dishwashers	48.2	208	310	11.8	0.1	16.2	3.3	3.8	15.6
Commercial fryers	1.3	902	--	41.0	0.3	47.9	0.3	0.3	14.5
Commercial ovens	12.8	93	--	4.8	0.03	6.3	2.5	2.6	3.2
Commercial steam cookers	4.1	39	101	2.0	0.01	2.5	0.8	0.8	3.1
Computer server power supplies	12.9	--	--	0.6	0.0	1.4	1.5	1.5	1.7
Electric motors	428.3	--	--	21.2	0.0	46.1	73.7	56.5	49.2
Faucets	72.4	186	1,374	12.0	0.1	17.7	9.8	17.1	37.4
Gas fireplaces	--	380	--	17.2	0.1	20.1	--	--	5.0
High CRI fluorescent lamps	10.5	--	--	0.5	0.0	1.1	1.9	1.2	1.4
Portable electric spas	48.7	--	--	2.4	0.0	5.2	4.4	5.9	6.0
Showerheads	160.7	254	2,051	19.5	0.1	30.7	21.8	38.1	61.8
Spray sprinkler bodies	--	--	11,943	--	--	--	--	--	94.5
Toilets (water closets)	--	--	1,399	--	--	--	--	--	26.3
Urinals	--	--	133	--	--	--	--	--	2.5
Water coolers	53.1	--	--	2.6	0.0	5.7	6.1	6.1	7.1
Total	**1,138**	**2,063**	**17,311**	**150**	**1**	**232**	**173**	**171**	**358**

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: Tennessee

	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	5,395.2	--	--	259.8	452.2	806.1	530.6	1.7
Commercial battery chargers	119.9	--	--	5.7	8.1	17.4	10.0	4.7
Commercial dishwashers	871.2	3.8	5.6	211.9	60.0	325.3	283.2	1.9
Commercial fryers	21.4	15.1	--	683.9	5.9	800.3	241.8	2.1
Commercial ovens	214.2	1.5	--	80.4	16.1	113.2	52.7	5.4
Commercial steam cookers	68.7	0.7	1.7	33.0	5.2	44.7	52.1	0.7
Computer server power supplies	252.2	--	--	12.3	28.2	39.3	32.7	2.7
Electric motors	7,638.7	--	--	369.7	705.0	1,149.5	862.5	1.4
Faucets	1,230.9	3.4	23.4	214.3	102.8	363.3	650.5	0.0
Gas fireplaces	--	7.2	--	325.9	2.1	380.4	94.1	1.1
High CRI fluorescent lamps	217.1	--	--	11.0	43.2	38.1	27.2	2.0
Portable electric spas	858.7	--	--	41.5	77.6	128.8	105.3	1.8
Showerheads	2,732.6	4.3	34.9	327.5	227.4	633.4	1,063.2	0.0
Spray sprinkler bodies	--	--	203.0	--	--	--	1,644.2	1.3
Toilets (water closets)	--	--	28.5	--	--	--	556.9	0.0
Urinals	--	--	2.2	--	--	--	42.9	0.0
Water coolers	902.9	--	--	43.5	74.7	133.8	118.2	0.0
Total	**20,524**	**36**	**299**	**2,620**	**1,809**	**4,974**	**6,368**	**–**

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