

Appliance Standards Awareness Project

2026 State Appliance Standards Recommendations

Annual savings estimates for: South Carolina

	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	217.3	--	--	5.1	7.3	15.2	16.3	1.7
Commercial battery chargers	4.2	--	--	0.1	0.1	0.3	0.3	4.5
Commercial dishwashers	10.8	138	193	6.5	0.4	8.1	6.1	0.9
Commercial fryers	0.6	446	--	20.2	0.2	23.6	5.8	2.3
Commercial ovens	6.3	46	--	2.2	0.2	2.9	1.2	6.1
Commercial steam cookers	2.0	19	50	0.9	0.1	1.2	1.3	0.8
Computer server power supplies	26.9	--	--	0.6	0.9	1.9	2.6	1.1
Electric motors	270.3	--	--	6.3	9.1	18.9	25.0	1.6
Faucets	64.7	136	1,164	7.7	2.2	11.7	30.5	0.0
Gas fireplaces	--	209	--	9.5	0.1	11.1	3.6	0.8
High CRI fluorescent lamps	15.1	--	--	0.4	0.5	1.1	1.5	2.4
Portable electric spas	12.0	--	--	0.3	0.4	0.8	1.6	1.8
Showerheads	90.8	120	1,111	7.6	3.1	12.7	33.0	0.0
Spray sprinkler bodies	--	--	6,231	--	--	--	106.3	0.8
Toilets (water closets)	--	--	678	--	--	--	11.6	0.0
Urinals	--	--	68	--	--	--	1.2	0.0
Water coolers	28.5	--	--	0.7	1.0	2.0	2.8	0.0
Total	750	1,116	9,495	68	26	112	251	--

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: **South Carolina**

	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	5,173	--	--	96.3	102.4	286.4	406.6
Commercial battery chargers	127	--	--	2.1	1.9	6.4	9.1
Commercial dishwashers	259	3.3	4.6	155.2	5.7	189.7	154.7
Commercial fryers	17	12.1	--	550.3	3.8	643.0	159.5
Commercial ovens	173	1.2	--	59.5	3.2	74.9	33.3
Commercial steam cookers	55	0.5	1.4	24.8	1.1	30.8	37.7
Computer server power supplies	553	--	--	11.9	15.2	35.2	54.4
Electric motors	6,179	--	--	106.4	90.3	317.4	583.0
Faucets	1,552	3.1	27.9	170.8	29.2	250.5	774.3
Gas fireplaces	--	6.5	--	294.2	1.9	343.5	114.9
High CRI fluorescent lamps	170	--	--	5.3	9.1	15.5	17.2
Portable electric spas	261	--	--	4.9	5.2	14.7	34.5
Showerheads	2,180	2.9	26.7	170.3	40.6	270.5	834.6
Spray sprinkler bodies	--	--	149.5	--	--	--	2,778.5
Toilets (water closets)	--	--	23.5	--	--	--	444.3
Urinals	--	--	1.9	--	--	--	34.7
Water coolers	684	--	--	12.4	12.5	37.0	67.8
Total	17,383	30	236	1,664	322	2,516	6,539

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