

Appliance Standards Awareness Project

2026 State Appliance Standards Recommendations

Annual savings estimates for: United States

	Potential annual savings in 2035						Utility bill savings (billion 2024\$)	Payback period (years)
	Electricity (TWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (million metric tons)		
Commercial & industrial fans	9.7	--	--	560	127.1	1.4	0.9	1.5
Commercial battery chargers	0.2	--	--	10	2.4	0.0	0.0	4.1
Commercial dishwashers	0.6	6.9	9.6	351	9.6	0.5	0.3	1.1
Commercial fryers	0.0	22.8	--	1,034	7.2	1.2	0.3	2.6
Commercial ovens	0.3	2.6	--	139	5.3	0.2	0.1	5.8
Commercial steam cookers	0.1	1.0	2.5	50	1.9	0.1	0.1	0.7
Computer server power supplies	2.6	--	--	152	32.3	0.4	0.3	0.8
Electric motors	14.0	--	--	823	175.4	2.0	1.7	1.2
Faucets	2.0	10.0	50.7	560	32.2	0.8	1.3	0.0
Gas fireplaces	--	6.6	--	299	2.2	0.3	0.1	0.9
High CRI fluorescent lamps	0.9	--	--	52	12.0	0.1	0.1	1.9
Portable electric spas	1.5	--	--	88	19.4	0.2	0.2	1.4
Showerheads	2.8	11.0	48.4	651	44.6	1.0	1.4	0.0
Spray sprinkler bodies	--	--	177.9	--	0.0	--	3.3	0.7
Toilets (water closets)	--	--	30.1	--	0.0	--	0.6	0.0
Urinals	--	--	2.9	--	0.0	--	0.1	0.0
Water coolers	1.3	--	--	75	17.9	0.2	0.2	0.0
Total	36	61	322	4,842	489	8	11	--

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: **United States**

	Potential cumulative savings through 2050						
	Electricity (TWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (thou. tons)	SO ₂ (thou. tons)	CO ₂ (million metric tons)	Utility bill savings (billion 2024\$)
Commercial & industrial fans	237.5	--	--	11.0	2.5	25.6	22.4
Commercial battery chargers	4.8	--	--	0.2	0.0	0.5	0.4
Commercial dishwashers	15.0	166	231	8.2	0.2	10.4	8.3
Commercial fryers	0.9	619	--	28.1	0.2	32.9	7.1
Commercial ovens	9.3	71	--	3.7	0.1	4.7	1.9
Commercial steam cookers	2.8	26	68	1.3	0.0	1.7	2.0
Computer server power supplies	53.1	--	--	2.7	0.7	6.1	6.3
Electric motors	321.8	--	--	14.7	2.8	33.7	37.8
Faucets	47.0	234	1,217	12.7	0.6	17.7	33.8
Gas fireplaces	--	205	--	9.3	0.1	10.8	3.1
High CRI fluorescent lamps	9.9	--	--	0.6	0.2	1.5	1.2
Portable electric spas	32.2	--	--	1.6	0.4	3.6	4.6
Showerheads	66.0	263	1,162	14.9	0.8	21.4	35.9
Spray sprinkler bodies	--	--	4,270	--	--	--	85.1
Toilets (water closets)	--	--	1,043	--	--	--	21.1
Urinals	--	--	80	--	--	--	1.6
Water coolers	32.0	--	--	1.4	0.3	3.4	3.6
Total	832	1,584	8,069	111	9	174	276

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