

Appliance Standards Awareness Project

2026 State Appliance Standards Recommendations

Annual savings estimates for: Illinois

	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	369.9	--	--	20.5	9.0	55.6	35.9	1.4
Commercial battery chargers	7.0	--	--	0.4	0.2	1.1	0.7	3.6
Commercial dishwashers	25.1	321	447	15.9	0.7	20.7	14.7	0.9
Commercial fryers	1.5	1,035	--	47.0	0.3	55.0	11.1	2.9
Commercial ovens	14.7	106	--	5.6	0.4	7.8	2.8	6.2
Commercial steam cookers	4.7	45	116	2.3	0.1	3.1	3.2	0.7
Computer server power supplies	107.2	--	--	5.9	2.6	16.1	12.1	0.9
Electric motors	519.4	--	--	28.8	12.7	78.0	60.4	1.2
Faucets	60.9	809	2,904	40.1	1.7	52.0	72.9	0.0
Gas fireplaces	--	262	--	11.9	0.1	13.9	2.7	1.4
High CRI fluorescent lamps	51.2	--	--	2.8	1.2	7.7	6.0	2.0
Portable electric spas	72.4	--	--	4.0	1.8	10.9	11.2	1.2
Showerheads	85.5	971	2,773	48.7	2.4	64.2	75.9	0.0
Spray sprinkler bodies	--	--	8,750	--	--	--	165.8	0.7
Toilets (water closets)	--	--	1,683	--	--	--	31.9	0.0
Urinals	--	--	158	--	--	--	3.0	0.0
Water coolers	55.6	--	--	3.1	1.4	8.4	6.3	0.0
Total	1,375	3,550	16,830	237	35	395	517	--

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: **Illinois**

	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	8,929	--	--	276.4	137.0	733.2	810.4
Commercial battery chargers	209	--	--	5.8	2.6	15.5	17.7
Commercial dishwashers	602	7.7	10.7	367.2	11.1	455.8	364.4
Commercial fryers	40	28.2	--	1,277.1	8.7	1,492.6	298.5
Commercial ovens	400	2.9	--	142.6	6.2	183.7	71.9
Commercial steam cookers	128	1.2	3.2	59.1	2.1	74.5	91.5
Computer server power supplies	2,197	--	--	78.6	44.9	208.5	231.9
Electric motors	11,895	--	--	348.1	152.2	925.1	1,278.1
Faucets	1,461	19.1	69.7	911.3	27.0	1,129.7	1,848.8
Gas fireplaces	--	8.1	--	368.6	2.4	430.3	86.4
High CRI fluorescent lamps	563	--	--	29.2	21.0	77.7	64.0
Portable electric spas	1,579	--	--	49.7	25.0	132.1	228.3
Showerheads	2,052	23.3	66.5	1,118.2	36.9	1,397.9	1,914.6
Spray sprinkler bodies	--	--	210.0	--	--	--	4,331.0
Toilets (water closets)	--	--	58.3	--	--	--	1,225.3
Urinals	--	--	4.3	--	--	--	89.3
Water coolers	1,335	--	--	40.4	19.6	107.3	139.5
Total	31,390	91	423	5,072	497	7,364	13,092

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