Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Illinois

	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	417.1	--	--	6.0	11.8	32.6	73.1	57.9	49.5
Commercial battery chargers	10.3	--	--	0.1	0.3	0.8	1.2	1.2	1.2
Commercial dishwashers	84.8	365	545	17.8	2.5	26.0	5.7	13.3	27.4
Commercial fryers	2.3	1,587	--	72.0	0.5	84.1	0.2	0.4	19.3
Commercial ovens	22.6	163	--	7.7	0.7	10.4	1.9	4.1	5.0
Commercial steam cookers	7.2	69	178	3.2	0.2	4.2	0.6	1.3	5.5
Computer server power supplies	29.5	--	--	0.4	0.8	2.3	3.4	3.4	4.0
Electric motors	627.6	--	--	9.0	17.8	49.0	115.2	89.3	88.0
Faucets	47.8	670	2,308	31.1	1.5	39.2	5.5	9.9	64.9
Gas fireplaces	--	402	--	18.2	0.1	21.3	--	--	4.6
High CRI fluorescent lamps	20.3	--	--	0.3	0.6	1.6	3.7	3.6	3.0
Portable electric spas	135.6	--	--	1.9	3.8	10.6	9.0	7.9	25.3
Showerheads	106.1	1,207	3,444	56.2	3.4	72.2	12.3	22.0	105.7
Spray sprinkler bodies	--	--	20,531	--	--	--	--	--	199.2
Toilets (water closets)	--	--	2,368	--	--	--	--	--	49.5
Urinals	--	--	234	--	--	--	--	--	4.9
Water coolers	67.5	--	--	1.0	1.9	5.3	7.7	7.7	9.3
Total	**1,579**	**4,465**	**29,608**	**225**	**46**	**360**	**239**	**222**	**666**

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: 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 bills (million 2025$)	Payback period (years)
Commercial & industrial fans	8,055.8	--	--	179.9	96.6	756.5	960.0	1.1
Commercial battery chargers	191.5	--	--	3.9	2.1	17.7	21.5	2.9
Commercial dishwashers	1,532.1	6.6	9.9	330.8	19.1	490.8	502.2	1.8
Commercial fryers	37.7	26.5	--	1,201.6	8.1	1,405.4	322.1	2.5
Commercial ovens	376.7	2.7	--	131.3	5.3	178.8	84.4	5.3
Commercial steam cookers	120.8	1.2	3.0	54.7	1.8	72.0	94.1	0.7
Computer server power supplies	575.5	--	--	14.6	8.0	55.6	79.2	2.4
Electric motors	11,193.9	--	--	254.8	142.7	1,047.9	1,572.7	1.1
Faucets	812.3	11.8	39.4	554.3	13.5	701.8	1,130.7	0.0
Gas fireplaces	--	7.6	--	344.8	2.2	402.6	87.9	1.3
High CRI fluorescent lamps	421.4	--	--	15.0	8.4	44.2	60.7	1.7
Portable electric spas	2,393.5	--	--	54.1	30.4	223.8	447.7	1.0
Showerheads	1,803.2	20.5	58.6	969.7	28.3	1,253.5	1,825.5	0.0
Spray sprinkler bodies	--	--	349.0	--	--	--	3,464.1	1.0
Toilets (water closets)	--	--	48.1	--	--	--	1,044.7	0.0
Urinals	--	--	3.9	--	--	--	83.8	0.0
Water coolers	1,148.0	--	--	25.1	14.2	106.6	157.9	0.0
Total	**28,662**	**77**	**512**	**4,135**	**381**	**6,757**	**11,939**	**–**

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