

Appliance Standards Awareness Project

2026 State Appliance Standards Recommendations

Annual savings estimates for: Iowa

	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	185.5	--	--	5.4	3.1	10.6	13.6	1.4
Commercial battery chargers	3.9	--	--	0.1	0.1	0.2	0.3	3.4
Commercial dishwashers	6.4	82	114	3.9	0.1	4.7	3.5	1.0
Commercial fryers	0.4	264	--	12.0	0.1	14.0	2.4	3.4
Commercial ovens	3.8	27	--	1.3	0.1	1.6	0.6	6.9
Commercial steam cookers	1.2	12	30	0.6	0.02	0.7	0.8	0.8
Computer server power supplies	32.5	--	--	0.9	0.5	1.9	3.2	1.0
Electric motors	191.6	--	--	5.5	3.2	10.9	17.1	1.5
Faucets	17.2	192	721	9.2	0.3	11.1	17.8	0.0
Gas fireplaces	--	64	--	2.9	0.02	3.4	0.6	1.5
High CRI fluorescent lamps	10.6	--	--	0.3	0.2	0.6	1.1	2.2
Portable electric spas	25.0	--	--	0.7	0.4	1.4	3.3	1.3
Showerheads	24.2	227	688	11.0	0.5	13.4	18.5	0.0
Spray sprinkler bodies	--	--	671	--	--	--	12.7	0.7
Toilets (water closets)	--	--	419	--	--	--	7.9	0.0
Urinals	--	--	40	--	--	--	0.8	0.0
Water coolers	14.7	--	--	0.4	0.2	0.8	1.5	0.0
Total	517	868	2,683	54	9	75	106	--

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: Iowa

	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	4,251	--	--	163.3	66.4	284.5	317.1
Commercial battery chargers	118	--	--	4.0	1.4	7.2	8.3
Commercial dishwashers	154	2.0	2.7	94.6	2.7	113.8	89.3
Commercial fryers	10	7.2	--	325.8	2.2	380.5	66.6
Commercial ovens	102	0.7	--	37.0	1.5	45.4	16.7
Commercial steam cookers	33	0.3	0.8	15.3	0.5	18.5	22.7
Computer server power supplies	667	--	--	29.7	13.3	49.1	65.6
Electric motors	4,367	--	--	143.5	54.7	266.8	389.1
Faucets	413	4.5	17.3	220.2	7.2	266.2	455.3
Gas fireplaces	--	2.0	--	90.5	0.6	105.6	19.6
High CRI fluorescent lamps	118	--	--	7.8	4.2	11.5	12.3
Portable electric spas	545	--	--	20.5	8.3	36.0	72.3
Showerheads	580	5.5	16.5	268.0	9.8	325.7	471.0
Spray sprinkler bodies	--	--	16.1	--	--	--	332.0
Toilets (water closets)	--	--	14.5	--	--	--	304.7
Urinals	--	--	1.1	--	--	--	22.8
Water coolers	353	--	--	12.8	5.0	22.7	34.6
Total	11,711	22	69	1,433	178	1,934	2,700

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