Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Iowa

	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	226.5	--	--	8.7	0.0	20.5	31.3	29.0	19.8
Commercial battery chargers	6.4	--	--	0.2	0.0	0.6	0.7	0.7	0.5
Commercial dishwashers	21.6	93	139	5.1	0.03	6.9	1.5	3.5	6.3
Commercial fryers	0.6	405	--	18.4	0.1	21.5	0.1	0.1	3.4
Commercial ovens	5.8	42	--	2.1	0.01	2.7	0.6	0.8	1.0
Commercial steam cookers	1.8	18	45	0.9	0.01	1.1	0.2	0.3	1.3
Computer server power supplies	9.5	--	--	0.4	0.0	0.9	1.1	1.1	1.1
Electric motors	256.7	--	--	9.8	0.0	23.3	38.7	34.4	26.4
Faucets	14.0	164	593	8.0	0.05	9.9	1.6	2.5	16.1
Gas fireplaces	--	99	--	4.5	0.03	5.2	--	--	1.1
High CRI fluorescent lamps	4.6	--	--	0.2	0.0	0.4	0.8	0.9	0.6
Portable electric spas	19.1	--	--	0.7	0.0	1.7	0.9	0.9	2.8
Showerheads	31.0	292	885	14.4	0.1	18.3	3.5	5.6	26.2
Spray sprinkler bodies	--	--	3,325	--	--	--	--	--	32.3
Toilets (water closets)	--	--	608	--	--	--	--	--	12.7
Urinals	--	--	60	--	--	--	--	--	1.2
Water coolers	19.8	--	--	0.8	0.0	1.8	2.3	2.3	2.4
Total	**617**	**1,112**	**5,656**	**74**	**0.3**	**115**	**83**	**82**	**155**

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: 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 bills (million 2025$)	Payback period (years)
Commercial & industrial fans	4,348.5	--	--	233.1	39.6	463.8	371.9	1.3
Commercial battery chargers	121.0	--	--	5.8	0.8	12.3	9.7	3.3
Commercial dishwashers	390.7	1.7	2.5	95.4	3.1	129.1	113.7	2.0
Commercial fryers	9.6	6.8	--	306.7	2.0	358.5	55.3	3.3
Commercial ovens	96.1	0.7	--	36.2	0.9	46.6	16.9	6.7
Commercial steam cookers	30.8	0.3	0.8	14.8	0.3	18.7	22.2	0.8
Computer server power supplies	185.0	--	--	11.0	2.3	20.7	21.7	2.9
Electric motors	4,584.4	--	--	245.5	41.3	487.6	461.6	1.5
Faucets	237.7	2.9	10.1	143.7	2.8	178.3	280.3	0.0
Gas fireplaces	--	1.9	--	84.6	0.5	98.8	20.4	1.3
High CRI fluorescent lamps	94.4	--	--	7.7	2.2	12.4	11.3	2.1
Portable electric spas	336.2	--	--	17.9	3.0	35.6	48.3	1.3
Showerheads	527.6	5.0	15.0	252.4	5.7	318.1	451.9	0.0
Spray sprinkler bodies	--	--	56.5	--	--	--	561.1	1.0
Toilets (water closets)	--	--	12.3	--	--	--	268.2	0.0
Urinals	--	--	1.0	--	--	--	21.4	0.0
Water coolers	337.4	--	--	17.4	2.7	35.3	39.7	0.0
Total	**11,299**	**19**	**98**	**1,472**	**107**	**2,216**	**2,776**	**–**

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.