Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Minnesota

	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	193.1	--	--	8.5	0.0	18.7	31.5	26.0	21.4
Commercial battery chargers	4.7	--	--	0.2	0.0	0.5	0.5	0.5	0.5
Commercial dishwashers	38.6	167	249	9.2	0.05	12.6	2.7	4.5	11.7
Commercial fryers	1.0	723	--	32.8	0.2	38.4	0.2	0.2	6.7
Commercial ovens	10.3	74	--	3.8	0.02	4.9	1.6	2.2	2.0
Commercial steam cookers	3.3	31	81	1.6	0.01	2.0	0.5	0.7	2.4
Computer server power supplies	15.9	--	--	0.7	0.0	1.5	1.8	1.8	2.0
Electric motors	297.3	--	--	13.1	0.0	28.8	50.3	40.3	38.2
Faucets	30.2	274	1,079	13.8	0.1	17.4	4.7	6.9	30.4
Gas fireplaces	--	400	--	18.1	0.1	21.2	--	--	4.6
High CRI fluorescent lamps	7.8	--	--	0.3	0.0	0.8	1.3	1.1	1.1
Portable electric spas	66.6	--	--	2.9	0.0	6.5	4.9	3.9	10.8
Showerheads	67.1	481	1,611	24.8	0.1	32.0	10.5	15.2	50.0
Spray sprinkler bodies	--	--	4,368	--	--	--	--	--	42.4
Toilets (water closets)	--	--	1,102	--	--	--	--	--	23.0
Urinals	--	--	107	--	--	--	--	--	2.2
Water coolers	33.2	--	--	1.5	0.0	3.2	3.8	3.8	4.3
Total	**769**	**2,151**	**8,596**	**131**	**1**	**188**	**114**	**107**	**254**

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: Minnesota

	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	3,732.4	--	--	195.7	34.1	418.3	404.7	1.3
Commercial battery chargers	86.7	--	--	4.3	0.6	9.4	8.8	3.4
Commercial dishwashers	698.3	3.0	4.5	171.1	5.9	235.0	211.6	1.9
Commercial fryers	17.2	12.1	--	548.2	3.6	640.8	110.0	3.0
Commercial ovens	171.7	1.2	--	64.9	1.7	84.4	32.7	6.1
Commercial steam cookers	55.0	0.5	1.4	26.5	0.6	33.8	40.7	0.7
Computer server power supplies	309.6	--	--	17.9	4.1	36.7	38.8	2.7
Electric motors	5,301.8	--	--	280.7	51.0	597.5	666.5	1.2
Faucets	513.7	4.9	18.4	247.1	5.9	314.5	527.8	0.0
Gas fireplaces	--	7.6	--	342.7	2.2	400.0	85.7	1.2
High CRI fluorescent lamps	159.5	--	--	11.9	3.9	22.0	20.8	2.0
Portable electric spas	1,175.9	--	--	62.0	11.2	132.2	187.8	1.0
Showerheads	1,140.4	8.2	27.4	429.7	12.3	559.4	860.2	0.0
Spray sprinkler bodies	--	--	74.3	--	--	--	737.0	1.0
Toilets (water closets)	--	--	22.4	--	--	--	486.8	0.0
Urinals	--	--	1.8	--	--	--	38.2	0.0
Water coolers	564.5	--	--	29.1	4.9	62.6	71.0	0.0
Total	**13,927**	**37**	**150**	**2,432**	**142**	**3,547**	**4,529**	**–**

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.