

Appliance Standards Awareness Project

2026 State Appliance Standards Recommendations

Annual savings estimates for: South Dakota

	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	32.1	--	--	1.3	0.1	1.9	3.3	1.4
Commercial battery chargers	0.6	--	--	0.02	0.001	0.03	0.1	3.8
Commercial dishwashers	1.8	23	33	1.1	0.01	1.3	1.0	1.0
Commercial fryers	0.1	75	--	3.4	0.02	4.0	0.6	3.8
Commercial ovens	1.1	8	--	0.4	0.005	0.5	0.2	6.8
Commercial steam cookers	0.3	3	8	0.2	0.002	0.2	0.2	0.8
Computer server power supplies	12.8	--	--	0.5	0.03	0.8	1.5	0.9
Electric motors	46.0	--	--	1.9	0.1	2.7	5.3	1.3
Faucets	7.3	41	200	2.2	0.03	2.6	5.2	0.0
Gas fireplaces	--	38	--	1.7	0.01	2.0	0.3	1.7
High CRI fluorescent lamps	4.1	--	--	0.2	0.01	0.2	0.5	1.9
Portable electric spas	14.6	--	--	0.6	0.04	0.9	2.1	1.2
Showerheads	10.2	46	191	2.5	0.04	3.0	5.5	0.0
Spray sprinkler bodies	--	--	915	--	--	--	17.3	0.7
Toilets (water closets)	--	--	116	--	--	--	2.2	0.0
Urinals	--	--	12	--	--	--	0.2	0.0
Water coolers	5.8	--	--	0.2	0.01	0.3	0.7	0.0
Total	137	235	1,473	16	0.4	20	46	--

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: **South Dakota**

	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	792	--	--	33.3	4.9	49.2	86.4
Commercial battery chargers	17	--	--	0.7	0.1	1.0	1.8
Commercial dishwashers	44	0.6	0.8	27.2	0.4	32.3	25.9
Commercial fryers	3	2.0	--	92.9	0.6	108.5	17.1
Commercial ovens	29	0.2	--	10.7	0.2	12.9	5.2
Commercial steam cookers	9	0.1	0.2	4.4	0.1	5.3	6.6
Computer server power supplies	263	--	--	13.2	2.4	17.6	31.1
Electric motors	1,053	--	--	39.0	4.5	61.8	126.8
Faucets	175	1.0	4.8	51.2	1.3	62.1	133.3
Gas fireplaces	--	1.2	--	53.9	0.3	62.9	10.4
High CRI fluorescent lamps	44	--	--	3.4	0.8	3.6	5.3
Portable electric spas	318	--	--	13.6	2.0	19.8	47.7
Showerheads	246	1.1	4.6	60.1	1.8	73.5	140.8
Spray sprinkler bodies	--	--	21.9	--	--	--	452.7
Toilets (water closets)	--	--	4.0	--	--	--	84.5
Urinals	--	--	0.3	--	--	--	6.5
Water coolers	140	--	--	5.8	0.8	8.6	16.6
Total	3,134	6	37	409	20	519	1,199

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.