

Appliance Standards Awareness Project

2025 State Appliance Standards Recommendations

Savings estimates for: Idaho

	Potential annual savings in 2030						Potential annual savings in 2040					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)
Commercial battery chargers	0.7	--	--	0.1	0.01	0.1	2.5	--	--	0.1	0.01	0.2
Commercial dishwashers	1.8	24	33	1.3	0.03	1.6	5.2	67	94	3.3	0.03	4.0
Commercial fryers	0.1	76	--	3.5	0.002	4.0	0.4	260	--	11.8	0.002	13.8
Commercial ovens	1.1	8	--	0.5	0.02	0.6	3.7	27	--	1.4	0.02	1.8
Commercial steam cookers	0.3	3	8	0.2	0.01	0.2	1.2	11	29	0.6	0.01	0.7
Faucets	9.2	44	259	3.4	0.16	4.2	26.3	125	738	6.9	0.2	9.1
Gas fireplaces	--	35	--	1.6	--	1.9	--	136	--	6.2	--	7.2
High CRI fluorescent lamps	5.2	--	--	0.8	0.1	1.1	2.6	--	--	0.1	0.02	0.2
Portable electric spas	29.3	--	--	4.5	0.5	6.0	73.2	--	--	3.4	0.4	6.7
Residential ventilating fans	0.5	--	--	0.1	0.01	0.1	1.8	--	--	0.1	0.01	0.2
Server power supplies	14.2	--	--	2.2	0.2	2.9	20.2	--	--	0.9	0.1	1.9
Showerheads	6.9	33	132	2.5	0.1	3.1	19.7	93	376	5.2	0.1	6.8
Spray sprinkler bodies	--	--	2,568	--	--	--	--	--	7,337	--	--	--
Toilets (water closets)	--	--	65	--	--	--	--	--	244	--	--	--
Urinals	--	--	13	--	--	--	--	--	43	--	--	--
Water coolers	3.8	--	--	0.6	0.1	0.8	10.8	--	--	0.5	0.1	1.0
Total	73	222	3,078	21	1	27	168	720	8,861	40	1	54

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Savings estimates for: Idaho

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.04	0.2	0.9	4.4
Commercial dishwashers	0.9	2.8	24.4	1.0
Commercial fryers	0.4	1.7	9.2	4.4
Commercial ovens	0.1	0.5	0.3	9.0
Commercial steam cookers	0.2	0.8	6.8	0.8
Faucets	5.9	19.4	191.2	0.0
Gas fireplaces	0.2	1.0	8.5	1.8
High CRI fluorescent lamps	0.4	0.2	1.9	2.6
Portable electric spas	2.9	8.2	72.2	0.8
Residential ventilating fans	0.0	0.2	2.0	0.0
Server power supplies	1.0	1.5	11.3	1.4
Showerheads	3.3	10.8	106.4	0.0
Spray sprinkler bodies	46.8	154.0	1,419.3	0.7
Toilets (water closets)	1.2	5.1	64.0	0.0
Urinals	0.2	0.9	8.7	0.0
Water coolers	0.3	0.8	7.8	0.0
Total	64	208	1,935	-

Assuming a compliance date of 2027 for all the recommended standards. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between 2027 and 2050. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: Idaho

	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 2023\$)
Commercial battery chargers	47	--	--	3.4	0.4	5.8	2.8
Commercial dishwashers	100	1.3	1.8	65.8	1.0	80.5	53.1
Commercial fryers	7	4.7	--	212.6	0.1	248.4	30.3
Commercial ovens	67	0.5	--	26.8	0.6	33.9	8.0
Commercial steam cookers	21	0.2	0.5	10.8	0.2	13.4	14.0
Faucets	501	2.4	14.0	148.0	4.9	191.3	369.7
Gas fireplaces	--	2.5	--	113.1	--	132.0	18.7
High CRI fluorescent lamps	74	--	--	9.4	1.2	13.0	5.7
Portable electric spas	1,436	--	--	118.2	14.5	190.3	156.4
Residential ventilating fans	34	--	--	2.4	0.3	4.1	3.7
Server power supplies	435	--	--	38.7	4.7	60.6	31.8
Showerheads	374	1.8	7.2	110.3	3.7	142.6	205.7
Spray sprinkler bodies	--	--	139.4	--	--	--	2955.9
Toilets (water closets)	--	--	5.0	--	--	--	107.5
Urinals	--	--	0.8	--	--	--	16.6
Water coolers	204	--	--	16.3	2.0	26.6	15.0
Total	3,298	13	169	876	33	1,143	3,995

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.