

Appliance Standards Awareness Project

2024 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 (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Commercial battery chargers	1.2	--	--	0.2	0.02	0.2	3.6	--	--	0.2	0.02	0.3
Commercial dishwashers	1.6	39	55	2.0	0.03	2.4	4.7	116	161	5.4	0.03	6.5
Commercial fryers	0.4	148	--	6.8	0.01	7.9	1.2	394	--	17.9	0.01	21.1
Commercial ovens	1.2	19	--	1.0	0.02	1.2	3.1	50	--	2.4	0.02	2.9
Commercial steam cookers	0.7	6	16	0.4	0.01	0.5	2.0	16	44	0.8	0.01	1.0
Faucets	7.2	41	194	2.9	0.1	3.6	16.1	90	430	4.8	0.1	6.2
Gas fireplaces	--	48	--	2.2	--	2.5	--	153	--	7.0	--	8.1
High CRI fluorescent lamps	7.4	--	--	1.1	0.1	1.4	2.8	--	--	0.1	0.02	0.2
Irrigation controllers	--	--	1,797	--	--	--	--	--	5,792	--	--	--
Portable electric spas	15.6	--	--	2.3	0.3	3.0	30.8	--	--	1.4	0.2	2.7
Residential ventilating fans	0.6	--	--	0.1	0.01	0.1	1.8	--	--	0.1	0.01	0.2
Showerheads	9.2	51	167	3.6	0.1	4.5	20.4	114	371	6.1	0.1	7.8
Spray sprinkler bodies	--	--	3,307	--	--	--	--	--	7,350	--	--	--
Toilets (water closets)	--	--	71	--	--	--	--	--	217	--	--	--
Urinals	--	--	16	--	--	--	--	--	44	--	--	--
Water coolers	4.7	--	--	0.7	0.1	0.9	10.4	--	--	0.5	0.1	0.9
Total	50	352	5,294	23	1	28	97	933	12,239	47	1	58

Assuming a compliance date of 2026 for all the recommended standards. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total water savings. The total potential water savings are thus smaller than the sum of the individual products.

Savings estimates for: Idaho

	Potential annual utility bill savings (million 2022\$)		Net present value savings (million 2022\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.1	0.2	1.6	2.5
Commercial dishwashers	1.3	4.2	36.0	1.2
Commercial fryers	0.9	2.8	14.6	4.4
Commercial ovens	0.2	0.6	-0.3	10.1
Commercial steam cookers	0.4	1.1	9.7	1.0
Faucets	4.3	10.8	109.1	0.0
Gas fireplaces	0.4	1.3	9.9	1.6
High CRI fluorescent lamps	0.6	0.3	2.2	2.9
Irrigation controllers	29.7	110.6	1,013.9	0.7
Portable electric spas	1.6	3.6	31.0	1.0
Residential ventilating fans	0.1	0.2	1.9	0.0
Showerheads	4.1	10.4	104.6	0.0
Spray sprinkler bodies	54.7	140.3	1,314.2	0.7
Toilets (water closets)	1.2	4.1	51.5	0.0
Urinals	0.3	0.8	8.2	0.0
Water coolers	0.3	0.8	7.8	0.0
Total	94	251	2,576	-

Assuming a compliance date of 2026 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 2026 and 2050. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total savings. The totals are thus smaller than the sum of the individual products.

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 (thous. MT)	Utility bill savings (million 2022\$)
Commercial battery chargers	65	--	--	4.8	0.6	7.9	4.1
Commercial dishwashers	87	2.1	3.0	102.9	0.8	123.6	78.0
Commercial fryers	22	7.5	--	341.4	0.2	400.9	52.1
Commercial ovens	59	0.9	--	47.5	0.6	57.7	10.8
Commercial steam cookers	37	0.3	0.8	16.4	0.4	20.5	20.8
Faucets	322	1.8	8.6	107.8	3.2	137.2	216.5
Gas fireplaces	--	2.8	--	125.8	--	147.5	22.4
High CRI fluorescent lamps	90	--	--	11.5	1.5	15.7	7.1
Irrigation controllers	--	--	104.9	--	--	--	2,034.7
Portable electric spas	627	--	--	51.2	6.3	81.1	72.3
Residential ventilating fans	32	--	--	2.3	0.3	3.9	3.8
Showerheads	408	2.3	7.4	135.7	4.0	172.8	207.5
Spray sprinkler bodies	--	--	147.0	--	--	--	2,817.7
Toilets (water closets)	--	--	4.5	--	--	--	88.2
Urinals	--	--	0.8	--	--	--	15.9
Water coolers	208	--	--	16.6	2.1	26.5	15.5
Total	1,958	18	240	964	20	1,195	4,950

Assuming a compliance date of 2026 for all the recommended standards. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total water and utility bill savings. The total potential water and utility bill savings are thus smaller than the sum of the individual products.