Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Idaho

	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	82.8	--	--	4.0	0.0	9.9	11.8	10.6	7.0
Commercial battery chargers	2.2	--	--	0.1	0.0	0.3	0.3	0.3	0.2
Commercial dishwashers	13.3	58	86	3.2	0.02	4.6	1.9	1.7	3.6
Commercial fryers	0.4	250	--	11.3	0.1	13.3	0.05	0.1	1.8
Commercial ovens	3.6	26	--	1.3	0.01	1.8	0.5	0.8	0.5
Commercial steam cookers	1.1	11	28	0.5	0.003	0.7	0.2	0.2	0.8
Computer server power supplies	5.3	--	--	0.3	0.0	0.6	0.6	0.6	0.5
Electric motors	110.2	--	--	5.3	0.0	13.2	16.6	14.6	10.6
Faucets	13.4	84	381	4.4	0.02	6.0	1.7	3.0	10.8
Gas fireplaces	--	116	--	5.3	0.03	6.1	--	--	1.0
High CRI fluorescent lamps	2.5	--	--	0.1	0.0	0.3	0.3	0.4	0.2
Portable electric spas	33.5	--	--	1.6	0.0	4.0	2.2	2.1	4.2
Showerheads	29.7	141	569	7.8	0.04	11.0	3.9	6.6	17.6
Spray sprinkler bodies	--	--	11,597	--	--	--	--	--	126.5
Toilets (water closets)	--	--	388	--	--	--	--	--	8.6
Urinals	--	--	37	--	--	--	--	--	0.8
Water coolers	10.3	--	--	0.5	0.0	1.2	1.2	1.2	1.0
Total	**308**	**685**	**13,085**	**46**	**0.2**	**73**	**41**	**42**	**196**

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: 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 bills (million 2025$)	Payback period (years)
Commercial & industrial fans	1,595.3	--	--	80.6	0.0	234.4	132.8	1.3
Commercial battery chargers	41.2	--	--	2.0	0.0	6.0	3.3	3.3
Commercial dishwashers	241.3	1.0	1.6	58.8	0.3	90.3	65.0	2.1
Commercial fryers	5.9	4.2	--	189.4	1.2	221.6	29.1	3.8
Commercial ovens	59.3	0.4	--	22.3	0.1	31.3	8.4	7.6
Commercial steam cookers	19.0	0.2	0.5	9.1	0.1	12.4	13.7	0.7
Computer server power supplies	102.8	--	--	5.5	0.0	15.2	9.5	3.3
Electric motors	1,966.2	--	--	99.6	0.0	286.6	185.8	1.5
Faucets	227.2	1.5	6.5	78.9	0.4	111.9	188.7	0.0
Gas fireplaces	--	2.2	--	99.4	0.6	116.0	18.6	1.7
High CRI fluorescent lamps	50.4	--	--	3.3	0.0	7.5	4.9	2.4
Portable electric spas	591.3	--	--	29.9	0.0	86.2	74.9	1.4
Showerheads	504.3	2.4	9.7	134.0	0.7	200.5	304.5	0.0
Spray sprinkler bodies	--	--	197.2	--	--	--	2,200.4	0.9
Toilets (water closets)	--	--	7.9	--	--	--	182.6	0.0
Urinals	--	--	0.6	--	--	--	14.1	0.0
Water coolers	175.4	--	--	8.7	0.0	25.5	16.1	0.0
Total	**5,580**	**12**	**224**	**822**	**3**	**1,446**	**3,452**	**–**

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