Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Montana

	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	44.4	--	--	1.7	0.0	3.3	6.8	5.9	3.3
Commercial battery chargers	1.1	--	--	0.04	0.0	0.1	0.1	0.1	0.1
Commercial dishwashers	7.6	33	49	1.8	0.01	2.3	0.8	0.9	2.1
Commercial fryers	0.2	142	--	6.4	0.04	7.5	0.03	0.04	1.3
Commercial ovens	2.0	15	--	0.7	0.004	0.9	0.3	0.4	0.3
Commercial steam cookers	0.6	6	16	0.3	0.002	0.4	0.1	0.1	0.5
Computer server power supplies	3.8	--	--	0.1	0.0	0.3	0.4	0.4	0.4
Electric motors	66.3	--	--	2.6	0.0	4.9	10.5	9.1	6.1
Faucets	7.2	51	221	2.6	0.01	3.2	0.9	1.7	6.3
Gas fireplaces	--	48	--	2.2	0.01	2.6	--	--	0.5
High CRI fluorescent lamps	1.7	--	--	0.1	0.0	0.1	0.3	0.2	0.2
Portable electric spas	40.5	--	--	1.6	0.0	3.0	2.5	2.3	4.9
Showerheads	16.0	88	331	4.6	0.03	5.9	2.1	3.8	10.2
Spray sprinkler bodies	--	--	3,061	--	--	--	--	--	33.4
Toilets (water closets)	--	--	225	--	--	--	--	--	5.0
Urinals	--	--	21	--	--	--	--	--	0.5
Water coolers	7.5	--	--	0.3	0.0	0.6	0.9	0.9	0.7
Total	**199**	**383**	**3,923**	**25**	**0.1**	**35**	**26**	**26**	**76**

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: Montana

	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	857.6	--	--	37.0	0.2	73.3	63.7	1.9
Commercial battery chargers	20.1	--	--	0.8	0.004	1.7	1.3	5.0
Commercial dishwashers	137.1	0.6	0.9	32.5	0.2	43.1	39.0	2.0
Commercial fryers	3.4	2.4	--	107.6	0.7	125.7	21.7	2.9
Commercial ovens	33.7	0.2	--	12.5	0.1	15.8	5.5	6.9
Commercial steam cookers	10.8	0.1	0.3	5.1	0.03	6.4	8.1	0.7
Computer server power supplies	74.4	--	--	3.4	0.03	6.2	7.2	3.3
Electric motors	1,182.9	--	--	51.7	0.3	100.8	108.3	1.6
Faucets	122.5	0.9	3.8	46.4	0.3	58.5	109.9	0.0
Gas fireplaces	--	0.9	--	41.5	0.3	48.4	9.1	1.5
High CRI fluorescent lamps	35.8	--	--	1.8	0.03	2.9	3.5	2.4
Portable electric spas	715.4	--	--	31.2	0.2	61.0	87.7	1.3
Showerheads	272.0	1.5	5.6	79.7	0.5	102.6	176.4	0.0
Spray sprinkler bodies	--	--	52.0	--	--	--	580.8	0.9
Toilets (water closets)	--	--	4.6	--	--	--	105.9	0.0
Urinals	--	--	0.3	--	--	--	8.0	0.0
Water coolers	126.9	--	--	5.5	0.03	10.8	12.4	0.0
Total	**3,592**	**7**	**68**	**457**	**3**	**657**	**1,348**	**–**

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