Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Alaska

	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	17.6	--	--	14.0	0.5	2.4	2.1	2.7	3.9
Commercial battery chargers	0.4	--	--	0.3	0.01	0.1	0.04	0.04	0.1
Commercial dishwashers	4.9	21	32	4.9	0.1	1.8	1.4	1.8	2.2
Commercial fryers	0.1	92	--	4.3	0.03	4.9	0.03	0.04	1.4
Commercial ovens	1.3	9	--	1.5	0.04	0.7	0.3	0.4	0.4
Commercial steam cookers	0.4	4	10	0.5	0.01	0.3	0.1	0.1	0.4
Computer server power supplies	1.4	--	--	1.1	0.04	0.2	0.2	0.2	0.3
Electric motors	31.5	--	--	25.1	0.9	4.3	3.8	4.8	7.5
Faucets	3.2	42	148	4.4	0.1	2.6	0.4	0.4	4.6
Gas fireplaces	--	22	--	1.0	0.01	1.2	--	--	0.3
High CRI fluorescent lamps	0.9	--	--	0.7	0.03	0.1	0.1	0.2	0.2
Portable electric spas	9.4	--	--	7.5	0.3	1.3	1.8	1.9	2.5
Showerheads	7.1	76	221	9.1	0.2	5.0	0.9	1.0	7.7
Spray sprinkler bodies	--	--	1,753	--	--	--	--	--	19.1
Toilets (water closets)	--	--	149	--	--	--	--	--	3.3
Urinals	--	--	14	--	--	--	--	--	0.3
Water coolers	3.8	--	--	3.0	0.1	0.5	0.4	0.4	0.9
Total	**82**	**267**	**2,327**	**77**	**2**	**25**	**12**	**14**	**55**

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: Alaska

	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	341.2	--	--	287.6	8.9	53.1	73.6	0.7
Commercial battery chargers	7.1	--	--	5.9	0.2	1.1	1.5	1.9
Commercial dishwashers	89.2	0.4	0.6	91.2	2.3	34.1	39.4	1.3
Commercial fryers	2.2	1.5	--	71.8	0.5	82.0	24.4	2.1
Commercial ovens	21.9	0.2	--	25.4	0.6	11.8	7.4	3.6
Commercial steam cookers	7.0	0.1	0.2	8.9	0.2	4.6	6.6	0.6
Computer server power supplies	26.5	--	--	23.3	0.8	4.2	6.0	1.4
Electric motors	562.3	--	--	478.6	15.7	87.6	131.4	0.7
Faucets	54.3	0.7	2.5	79.0	1.7	47.2	81.2	0.0
Gas fireplaces	--	0.4	--	19.0	0.1	22.2	5.0	1.2
High CRI fluorescent lamps	18.0	--	--	17.7	0.8	3.0	4.2	1.1
Portable electric spas	165.7	--	--	140.8	4.6	25.8	44.2	0.5
Showerheads	120.6	1.3	3.8	160.1	3.6	87.1	133.2	0.0
Spray sprinkler bodies	--	--	29.8	--	--	--	332.6	0.9
Toilets (water closets)	--	--	3.0	--	--	--	70.5	0.0
Urinals	--	--	0.2	--	--	--	5.2	0.0
Water coolers	64.3	--	--	54.1	1.7	9.9	14.6	0.0
Total	**1,480**	**5**	**40**	**1,463**	**42**	**474**	**981**	--

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.