Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Arizona

	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	221.6	--	--	10.2	0.0	23.3	38.2	27.3	21.7
Commercial battery chargers	4.5	--	--	0.2	0.0	0.5	0.5	0.5	0.4
Commercial dishwashers	50.6	218	325	12.2	0.1	16.9	4.0	8.4	15.2
Commercial fryers	1.3	947	--	43.0	0.3	50.2	0.1	0.2	9.7
Commercial ovens	13.5	97	--	5.0	0.03	6.6	1.5	2.3	2.5
Commercial steam cookers	4.3	41	106	2.1	0.01	2.6	0.5	0.7	3.3
Computer server power supplies	28.0	--	--	1.3	0.0	2.9	3.2	3.2	3.2
Electric motors	392.8	--	--	18.1	0.0	41.3	66.8	47.5	45.7
Faucets	53.0	308	1,449	16.4	0.1	21.9	3.6	12.7	45.9
Gas fireplaces	--	143	--	6.5	0.04	7.6	--	--	2.9
High CRI fluorescent lamps	12.4	--	--	0.6	0.0	1.3	1.9	2.0	1.5
Portable electric spas	54.6	--	--	2.5	0.0	5.7	8.4	3.2	8.4
Showerheads	117.6	516	2,163	28.8	0.1	39.7	8.0	28.3	76.7
Spray sprinkler bodies	--	--	32,779	--	--	--	--	--	357.6
Toilets (water closets)	--	--	1,474	--	--	--	--	--	32.8
Urinals	--	--	139	--	--	--	--	--	3.1
Water coolers	54.8	--	--	2.5	0.0	5.8	6.3	6.3	6.2
Total	**1,009**	**2,270**	**38,437**	**149**	**1**	**226**	**143**	**143**	**637**

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: Arizona

	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	4,309.3	--	--	206.5	0.0	489.5	407.6	1.6
Commercial battery chargers	82.6	--	--	3.9	0.0	9.3	6.9	4.5
Commercial dishwashers	914.0	3.9	5.9	221.6	1.1	311.8	273.9	1.8
Commercial fryers	22.5	15.8	--	717.5	4.6	838.8	158.6	2.7
Commercial ovens	224.7	1.6	--	84.3	0.5	111.3	40.7	5.7
Commercial steam cookers	72.0	0.7	1.8	34.5	0.2	44.5	55.2	0.7
Computer server power supplies	545.5	--	--	27.5	0.0	62.8	60.1	2.6
Electric motors	7,000.7	--	--	339.5	0.0	794.6	793.4	1.2
Faucets	900.3	5.5	24.7	292.2	1.6	392.6	794.7	0.0
Gas fireplaces	--	2.7	--	122.8	0.8	143.3	55.5	0.7
High CRI fluorescent lamps	256.4	--	--	14.9	0.0	30.6	30.0	1.8
Portable electric spas	963.8	--	--	46.7	0.0	109.4	145.4	1.9
Showerheads	1,998.7	8.8	36.8	493.1	2.5	689.9	1,318.6	0.0
Spray sprinkler bodies	--	--	557.2	--	--	--	6,219.4	0.9
Toilets (water closets)	--	--	30.0	--	--	--	694.4	0.0
Urinals	--	--	2.3	--	--	--	53.3	0.0
Water coolers	931.1	--	--	44.6	0.0	105.4	102.2	0.0
Total	**18,222**	**39**	**659**	**2,650**	**11**	**4,134**	**11,210**	**–**

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