

Appliance Standards Awareness Project

2025 State Appliance Standards Recommendations

Savings estimates for: [Arizona](#)

	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 (thousand metric tons)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)
Commercial battery chargers	1.4	--	--	0.2	0.02	0.2	4.9	--	--	0.2	0.03	0.4
Commercial dishwashers	6.9	89	124	4.9	0.1	5.5	19.9	254	354	12.2	0.1	14.9
Commercial fryers	0.4	287	--	13.0	0.01	15.2	1.4	983	--	44.6	0.01	52.1
Commercial ovens	4.1	29	--	1.8	0.1	2.0	14.0	101	--	5.1	0.1	6.4
Commercial steam cookers	1.3	12	32	0.7	0.02	0.8	4.5	43	110	2.1	0.03	2.6
Faucets	37.3	164	1,005	12.0	0.6	12.9	106.7	467	2,869	24.9	0.7	32.5
Gas fireplaces	--	44	--	2.0	--	2.3	--	168	--	7.6	--	8.9
High CRI fluorescent lamps	23.5	--	--	2.9	0.4	2.6	11.6	--	--	0.4	0.1	0.8
Portable electric spas	55.8	--	--	6.8	1.0	6.3	139.6	--	--	4.9	0.9	10.1
Residential ventilating fans	1.9	--	--	0.2	0.03	0.2	7.5	--	--	0.3	0.05	0.5
Server power supplies	64.3	--	--	7.8	1.1	7.3	91.9	--	--	3.2	0.6	6.7
Showerheads	27.9	122	512	8.9	0.5	9.6	79.6	348	1,464	18.6	0.5	24.2
Spray sprinkler bodies	--	--	8,595	--	--	--	--	--	24,558	--	--	--
Toilets (water closets)	--	--	253	--	--	--	--	--	942	--	--	--
Urinals	--	--	48	--	--	--	--	--	163	--	--	--
Water coolers	17.4	--	--	2.1	0.3	2.0	49.6	--	--	1.7	0.3	3.6
Total	242	747	10,569	63	4	67	531	2,365	30,459	126	3	164

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Savings estimates for: [Arizona](#)

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.1	0.4	1.7	5.2
Commercial dishwashers	3.6	11.8	104.3	0.9
Commercial fryers	2.5	9.8	65.8	2.9
Commercial ovens	0.6	2.3	6.8	6.6
Commercial steam cookers	0.8	3.1	27.9	0.7
Faucets	25.2	82.0	811.5	0.0
Gas fireplaces	0.7	2.8	25.8	0.8
High CRI fluorescent lamps	2.1	1.2	12.1	2.0
Portable electric spas	6.5	18.2	161.5	0.9
Residential ventilating fans	0.2	1.0	9.7	0.0
Server power supplies	5.6	8.5	70.1	1.1
Showerheads	14.5	47.0	464.5	0.0
Spray sprinkler bodies	156.5	515.4	4,750.2	0.7
Toilets (water closets)	4.6	19.8	247.5	0.0
Urinals	0.9	3.4	32.8	0.0
Water coolers	1.5	4.6	45.1	0.0
Total	226	731	6,837	-

Assuming a compliance date of 2027 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 2027 and 2050. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates 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 bill savings (million 2023\$)
Commercial battery chargers	90	--	--	3.6	0.6	7.0	6.7
Commercial dishwashers	377	4.8	6.7	234.2	2.6	284.7	224.0
Commercial fryers	25	17.7	--	803.2	0.2	938.4	174.0
Commercial ovens	252	1.8	--	92.6	1.8	115.8	41.0
Commercial steam cookers	81	0.8	2.0	38.1	0.6	46.9	57.2
Faucets	2,027	8.9	54.5	485.7	14.2	627.7	1568.7
Gas fireplaces	--	3.1	--	139.7	--	163.1	51.6
High CRI fluorescent lamps	333	--	--	18.3	2.9	27.1	31.3
Portable electric spas	2,737	--	--	113.5	19.3	213.0	356.5
Residential ventilating fans	137	--	--	5.5	1.0	10.7	18.0
Server power supplies	1,976	--	--	88.4	14.8	156.8	181.5
Showerheads	1,513	6.6	27.8	362.0	10.6	467.9	897.7
Spray sprinkler bodies	--	--	466.6	--	--	--	9893.1
Toilets (water closets)	--	--	19.2	--	--	--	415.1
Urinals	--	--	2.9	--	--	--	62.6
Water coolers	942	--	--	38.6	6.6	73.2	87.1
Total	10,490	44	580	2,423	75	3,132	14,066

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.