

Appliance Standards Awareness Project

2023 State Appliance Standards Recommendations

Savings estimates for: Utah

	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 (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	34.2	--	--	10.1	1.4	11.8	56.0	--	--	11.7	1.8	16.0
Commercial dishwashers	2.0	50	70	2.9	0.1	3.5	4.9	120	167	6.5	0.2	7.9
Commercial fryers	0.8	258	--	11.9	0.03	14.0	1.7	563	--	25.9	0.1	30.5
Commercial ovens	2.1	33	--	2.1	0.1	2.6	4.5	73	--	4.2	0.1	5.3
Commercial steam cookers	1.3	11	29	0.9	0.06	1.1	2.9	23	64	1.6	0.1	2.1
Electric vehicle supply equipment	3.2	--	--	1.0	0.1	1.1	21.6	--	--	4.5	0.7	6.2
Faucets	11.7	286	838	16.4	0.5	19.3	21.2	520	1,522	28.0	0.7	33.7
Gas fireplaces	--	40	--	1.8	--	2.1	--	110	--	5.0	--	5.8
High CRI fluorescent lamps	12.3	--	--	3.6	0.5	5.1	3.3	--	--	0.7	0.1	1.0
Portable electric spas	17.8	--	--	5.2	0.8	6.2	29.9	--	--	6.3	1.0	8.6
Residential ventilating fans	2.8	--	--	0.8	0.1	1.0	7.7	--	--	1.6	0.3	2.2
Showerheads	10.1	247	494	14.1	0.4	16.6	18.4	448	898	24.2	0.6	29.1
Spray sprinkler bodies	--	--	7,313	--	--	--	--	--	13,295	--	--	--
Toilets (water closets)	--	--	186	--	--	--	--	--	494	--	--	--
Urinals	--	--	36	--	--	--	--	--	78	--	--	--
Water coolers	6.7	--	--	2.0	0.3	2.8	12.2	--	--	2.6	0.4	3.9
Total	105	925	8,965	73	4	87	184	1,857	16,518	123	6	152

Assuming a compliance date of 2025 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.

Savings estimates for: Utah

	Potential annual utility bill savings (million 2021\$)		Net present value savings (million 2021\$)	Benefit-cost ratio	Payback period (years)
	In 2030	In 2040			
Air purifiers	4.0	7.0	44.8	5.7	1.3
Commercial dishwashers	1.7	4.6	29.6	10.5	1.1
Commercial fryers	2.1	4.9	24.0	3.0	3.4
Commercial ovens	0.4	1.0	1.4	1.2	7.8
Commercial steam cookers	0.7	1.7	11.0	11.7	0.9
Electric vehicle supply equipment	0.4	2.7	16.7	no cost	0.0
Faucets	18.1	37.1	275.7	no cost	0.0
Gas fireplaces	0.4	1.1	6.9	9.7	1.2
High CRI fluorescent lamps	1.1	0.3	4.5	2.6	2.4
Portable electric spas	2.1	3.8	24.9	7.3	0.9
Residential ventilating fans	0.3	1.0	6.6	no cost	0.0
Showerheads	11.8	24.1	179.3	no cost	0.0
Spray sprinkler bodies	121.4	254.7	1745.6	14.2	0.7
Toilets (water closets)	3.1	9.5	81.1	no cost	0.0
Urinals	0.6	1.5	10.6	no cost	0.0
Water coolers	0.6	1.1	8.2	no cost	0.0
Total	169	356	2,471	15.4	-

Assuming a compliance date of 2025 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 2025 and 2040. Totals may not sum due to rounding. The total benefit-cost ratio is calculated as the present value of the total utility bill savings from products sold through 2040 for the package of recommended standards divided by the present value of the total additional costs. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: [Utah](#)

	Potential cumulative savings through 2040					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	644	--	--	170.9	25.0	214.4
Commercial dishwashers	46	1.1	1.6	63.1	1.7	76.3
Commercial fryers	17	5.6	--	259.8	0.6	305.3
Commercial ovens	45	0.7	--	44.8	1.7	54.8
Commercial steam cookers	29	0.2	0.6	17.9	1.1	22.4
Electric vehicle supply equipment	122	--	--	30.2	4.3	39.1
Faucets	234	5.7	16.7	321.0	9.0	381.5
Gas fireplaces	--	0.9	--	42.2	--	49.4
High CRI fluorescent lamps	124	--	--	35.8	5.5	47.0
Portable electric spas	340	--	--	90.3	13.3	113.3
Residential ventilating fans	65	--	--	16.9	2.5	21.4
Showerheads	202	4.9	9.9	276.8	7.8	329.0
Spray sprinkler bodies	--	--	146.3	--	--	--
Toilets (water closets)	--	--	4.3	--	--	--
Urinals	--	--	0.8	--	--	--
Water coolers	135	--	--	35.5	5.2	48.2
Total	2,002	19	180	1,405	78	1,702

Assuming a compliance date of 2025 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.