

Appliance Standards Awareness Project

2023 State Appliance Standards Recommendations

Savings estimates for: Texas

	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	337.7	--	--	44.4	21.0	96.9	552.5	--	--	41.8	27.9	130.6
Commercial dishwashers	18.1	446	621	22.6	1.1	29.0	43.5	1,068	1,488	51.7	2.2	68.5
Commercial fryers	6.9	2,301	--	105.2	0.4	124.3	15.0	5,020	--	228.7	0.8	270.7
Commercial ovens	18.5	297	--	15.9	1.2	21.2	40.4	648	--	32.4	2.0	45.4
Commercial steam cookers	11.7	94	261	5.8	0.7	8.4	25.6	204	570	11.2	1.3	17.8
Electric vehicle supply equipment	32.0	--	--	4.2	2.0	9.2	212.8	--	--	16.1	10.7	50.3
Faucets	301.1	1,497	7,577	107.4	18.7	165.9	547.4	2,714	13,758	164.4	27.6	273.6
Gas fireplaces	--	376	--	17.0	--	20.0	--	1,026	--	46.5	--	54.5
High CRI fluorescent lamps	198.6	--	--	26.1	12.3	58.6	45.4	--	--	3.4	2.3	11.8
Portable electric spas	55.5	--	--	7.3	3.4	15.9	93.2	--	--	7.1	4.7	22.0
Residential ventilating fans	27.8	--	--	3.6	1.7	8.0	75.7	--	--	5.7	3.8	17.9
Showerheads	260.2	1,286	4,466	92.5	16.2	142.9	473.1	2,338	8,120	141.7	23.9	236.0
Spray sprinkler bodies	--	--	21,201	--	--	--	--	--	38,548	--	--	--
Water coolers	85.8	--	--	11.3	5.3	25.3	156.0	--	--	11.8	7.9	42.3
Total	1,354	6,296	34,126	463	84	726	2,281	13,018	62,482	763	115	1,242

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: Texas

	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	43.2	69.8	470.5	6.0	1.2
Commercial dishwashers	13.5	35.9	225.8	9.2	1.2
Commercial fryers	18.5	41.5	198.4	2.9	3.4
Commercial ovens	3.7	8.2	7.2	1.1	8.1
Commercial steam cookers	5.3	12.7	82.9	10.1	1.0
Electric vehicle supply equipment	4.1	26.9	166.5	no cost	0.0
Faucets	164.7	329.9	2477.7	no cost	0.0
Gas fireplaces	5.0	14.4	91.5	13.4	0.8
High CRI fluorescent lamps	15.5	4.1	58.8	2.4	2.4
Portable electric spas	7.1	11.8	76.9	5.3	1.2
Residential ventilating fans	3.6	9.6	67.3	no cost	0.0
Showerheads	113.0	224.0	1690.4	no cost	0.0
Spray sprinkler bodies	297.5	624.1	4218.6	12.0	0.8
Water coolers	6.4	11.4	90.3	no cost	0.0
Total	701	1,424	9,923	14.4	-

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: Texas

	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	6,354	--	--	635.8	390.0	1,736.0
Commercial dishwashers	409	10.1	14.0	495.6	24.9	651.8
Commercial fryers	150	50.2	--	2,289.9	9.2	2,709.9
Commercial ovens	404	6.5	--	333.1	24.7	460.3
Commercial steam cookers	256	2.0	5.7	117.6	15.6	182.1
Electric vehicle supply equipment	1,208	--	--	110.0	72.1	319.6
Faucets	6,021	29.9	151.4	1,952.1	369.2	3,229.3
Gas fireplaces	--	8.7	--	395.2	--	463.1
High CRI fluorescent lamps	1,939	--	--	220.8	121.6	582.0
Portable electric spas	1,058	--	--	106.0	64.9	289.0
Residential ventilating fans	644	--	--	62.3	39.1	173.8
Showerheads	5,204	25.7	89.3	1,681.7	319.1	2,784.7
Spray sprinkler bodies	--	--	424.0	--	--	--
Toilets (water closets)	--	--	38.4	--	--	--
Urinals	--	--	6.9	--	--	--
Water coolers	1,716	--	--	170.2	105.2	495.7
Total	25,364	133	684	8,570	1,556	14,077

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