

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Texas

	Potential annual savings in 2025						Potential annual savings in 2035					
	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 compressors	23.7	--	--	3.9	2.7	10.9	68.5	--	--	10.8	7.3	31.9
Air purifiers	117.7	--	--	19.5	13.4	55.0	235.4	--	--	37.0	25.2	107.1
Commercial dishwashers	14.3	340	473	17.8	1.6	24.6	42.1	1,000	1,393	52.2	4.5	72.7
Commercial fryers	2.3	1,281	--	58.7	0.3	69.1	6.2	3,417	--	156.6	0.7	184.4
Commercial hot-food holding cabinets	15.1	--	--	2.5	1.7	6.9	40.1	--	--	6.3	4.3	18.7
Commercial steam cookers	25.2	134	429	10.3	2.9	18.7	67.3	357	1,143	26.9	7.2	50.3
Computers and computer monitors	559.2	--	--	92.7	63.8	258.5	702.8	--	--	110.6	75.1	324.1
Faucets	259.1	1,591	6,877	115.4	29.6	205.6	575.7	3,478	15,148	249.0	61.5	446.6
High CRI fluorescent lamps	303.5	--	--	50.3	34.6	139.3	82.4	--	--	13.0	8.8	38.1
Portable air conditioners	31.1	--	--	5.2	3.6	14.5	93.3	--	--	14.7	10.0	42.5
Portable electric spas	8.9	--	--	1.5	1.0	4.2	19.8	--	--	3.1	2.1	9.0
Residential ventilating fans	14.5	--	--	2.4	1.6	6.8	32.1	--	--	5.1	3.4	14.6
Showerheads	183.1	1,091	3,271	80.1	20.9	143.6	406.9	2,425	7,270	174.5	43.5	313.9
Spray sprinkler bodies	--	--	8,446	--	--	--	--	--	16,892	--	--	--
Uninterruptible power supplies	111.9	--	--	18.6	12.8	51.4	151.6	--	--	23.9	16.2	70.4
Water coolers	34.9	--	--	5.8	4.0	16.0	77.6	--	--	12.2	8.3	36.1
Total	1,705	4,438	19,496	485	195	1,025	2,602	10,679	41,845	896	278	1,760

Assuming a compliance date of 2021 for almost all the recommended standards. Totals may not sum due to rounding.

	Potential annual utility bill savings (million 2017\$)		Net present value savings (million 2017\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air compressors	1.4	4.3	18.6	2.6	3.9
Air purifiers	14.0	28.3	121.0	2.3	3.4
Commercial dishwashers	9.5	30.8	187.2	9.0	1.2
Commercial fryers	10.4	28.2	87.1	1.8	5.2
Commercial hot-food holding cabinets	1.4	3.9	18.5	3.0	3.2
Commercial steam cookers	8.4	24.7	155.9	10.4	1.0
Computers and computer monitors	58.2	74.9	306.3	2.0	2.6
Faucets	131.0	317.9	2302.7	no cost	0.0
High CRI fluorescent lamps	28.8	8.6	125.2	2.8	2.6
Portable air conditioners	3.7	11.2	48.7	2.8	3.1
Portable electric spas	1.1	2.4	17.7	no cost	0.0
Residential ventilating fans	1.7	3.9	28.8	no cost	0.0
Showerheads	73.8	178.3	1295.8	no cost	0.0
Spray sprinkler bodies	98.3	226.6	1444.0	8.3	1.0
Uninterruptible power supplies	10.8	15.1	69.7	2.4	2.4
Water coolers	3.3	7.5	55.7	no cost	0.0
Total	456	967	6,283	7.9	-

Assuming a compliance date of 2021 for almost 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 2021 and 2035. 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 2035 for the package of recommended standards divided by the present value of the total additional costs.

Cumulative savings estimates for: Texas

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air compressors	582	--	--	95.1	63.8	271.5
Air purifiers	2,471	--	--	404.6	271.3	1,148.8
Commercial dishwashers	353	8.4	11.7	439.3	38.6	609.7
Commercial fryers	56	30.8	--	1,409.8	6.1	1,659.8
Commercial hot-food holding cabinets	361	--	--	59.0	39.6	168.4
Commercial steam cookers	605	3.2	10.3	245.5	66.3	453.2
Computers and computer monitors	8,506	--	--	1,395.7	931.6	3,959.4
Faucets	5,757	35.0	151.9	2,533.7	631.7	4,532.4
High CRI fluorescent lamps	2,976	--	--	492.1	320.6	1,388.4
Portable air conditioners	818	--	--	133.6	90.1	380.1
Portable electric spas	198	--	--	32.3	21.7	91.8
Residential ventilating fans	321	--	--	52.6	35.3	149.3
Showerheads	4,069	24.3	72.7	1,770.3	446.5	3,179.6
Spray sprinkler bodies	--	--	177.4	--	--	--
Uninterruptible power supplies	1,812	--	--	297.3	198.8	844.2
Water coolers	776	--	--	127.0	85.2	361.9
Total	29,662	102	424	9,488	3,247	19,199

Assuming a compliance date of 2021 for almost all the recommended standards. Totals may not sum due to rounding.