

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Oklahoma

	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	3.6	--	--	1.4	0.8	1.5	10.4	--	--	3.9	2.2	4.7
Air purifiers	18.5	--	--	7.2	3.9	8.7	37.0	--	--	13.8	7.7	16.3
Commercial dishwashers	2.0	47	66	2.9	0.4	3.3	5.8	139	193	8.5	1.2	10.0
Commercial fryers	0.3	178	--	8.2	0.1	9.6	0.9	475	--	21.9	0.2	25.6
Commercial hot-food holding cabinets	2.1	--	--	0.8	0.4	0.8	5.6	--	--	2.1	1.2	2.5
Commercial steam cookers	3.5	19	60	2.2	0.7	2.4	9.3	50	159	5.7	1.9	6.8
Computers and computer monitors	85.3	--	--	33.2	18.1	36.9	107.2	--	--	40.0	22.3	47.9
Faucets	43.5	194	983	25.7	9.2	30.7	96.7	423	2,165	55.3	20.2	65.1
High CRI fluorescent lamps	45.4	--	--	17.7	9.6	18.6	12.5	--	--	4.7	2.6	5.6
Portable air conditioners	8.1	--	--	3.1	1.7	3.8	24.3	--	--	9.1	5.1	10.7
Portable electric spas	2.2	--	--	0.9	0.5	1.0	4.9	--	--	1.8	1.0	2.2
Residential ventilating fans	2.3	--	--	0.9	0.5	1.1	5.1	--	--	1.9	1.1	2.2
Showerheads	30.8	132	468	18.0	6.5	21.5	68.3	294	1,039	38.9	14.2	45.8
Spray sprinkler bodies	--	--	923	--	--	--	--	--	1,847	--	--	--
Toilets (water closets)	--	--	262	--	--	--	--	--	820	--	--	--
Uninterruptible power supplies	16.8	--	--	6.5	3.6	6.9	22.7	--	--	8.5	4.7	10.2
Urinals	--	--	35	--	--	--	--	--	94	--	--	--
Water coolers	5.2	--	--	2.0	1.1	2.1	11.6	--	--	4.3	2.4	5.2
Total	270	570	2,796	131	57	149	422	1,380	6,316	220	88	261

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	0.2	0.6	2.3	2.3	4.3
Air purifiers	2.0	4.2	16.3	2.1	3.6
Commercial dishwashers	1.4	4.4	26.7	9.3	1.2
Commercial fryers	1.7	4.6	16.4	2.1	4.5
Commercial hot-food holding cabinets	0.2	0.5	2.0	2.6	3.6
Commercial steam cookers	1.1	3.4	21.2	10.2	1.0
Computers and computer monitors	7.8	10.2	36.2	1.8	2.8
Faucets	18.2	44.6	321.4	no cost	0.0
High CRI fluorescent lamps	3.7	1.2	14.8	2.4	2.9
Portable air conditioners	0.9	2.7	11.1	2.6	3.3
Portable electric spas	0.2	0.6	4.1	no cost	0.0
Residential ventilating fans	0.2	0.6	4.2	no cost	0.0
Showerheads	10.2	24.9	179.7	no cost	0.0
Spray sprinkler bodies	10.7	24.8	157.9	8.3	1.0
Toilets (water closets)	3.1	11.0	98.3	no cost	0.0
Uninterruptible power supplies	1.4	2.0	7.9	2.0	2.6
Urinals	0.4	1.3	8.7	no cost	0.0
Water coolers	0.4	1.0	7.1	no cost	0.0
Total	64	142	936	8.2	-

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: Oklahoma

	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	88	--	--	32.9	17.7	39.7
Air purifiers	389	--	--	144.9	78.1	175.1
Commercial dishwashers	49	1.2	1.6	71.3	9.9	83.9
Commercial fryers	8	4.3	--	197.4	1.6	230.4
Commercial hot-food holding cabinets	50	--	--	18.7	10.1	22.6
Commercial steam cookers	84	0.4	1.4	51.7	16.9	61.6
Computers and computer monitors	1,297	--	--	482.0	259.0	582.3
Faucets	967	4.3	21.7	554.2	194.4	661.2
High CRI fluorescent lamps	446	--	--	163.0	86.4	198.3
Portable air conditioners	213	--	--	79.7	43.1	95.9
Portable electric spas	49	--	--	18.3	9.9	22.1
Residential ventilating fans	51	--	--	18.8	10.2	22.8
Showerheads	683	2.9	10.4	388.9	137.4	464.0
Spray sprinkler bodies	--	--	19.4	--	--	--
Toilets (water closets)	--	--	6.5	--	--	--
Uninterruptible power supplies	272	--	--	101.1	54.3	121.8
Urinals	--	--	0.8	--	--	--
Water coolers	116	--	--	43.2	23.3	52.1
Total	4,762	13	62	2,366	952	2,834

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