

## Appliance Standards Awareness Project

### 2019 State Appliance Standards Recommendations

#### Savings estimates for: [Arkansas](#)

	Potential annual savings in 2025						Potential annual savings in 2035					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)
Air compressors	3.4	--	--	0.9	0.5	1.5	9.7	--	--	2.0	0.8	3.9
Air purifiers	14.5	--	--	3.9	1.9	6.5	28.9	--	--	6.0	2.4	10.8
Commercial dishwashers	1.5	36	50	2.1	0.2	2.6	4.5	106	148	5.8	0.4	7.4
Commercial fryers	0.2	136	--	6.3	0.03	7.3	0.7	363	--	16.7	0.1	19.5
Commercial hot-food holding cabinets	1.6	--	--	0.4	0.2	0.7	4.3	--	--	0.9	0.4	1.7
Commercial steam cookers	2.7	14	45	1.4	0.4	1.9	7.1	38	121	3.2	0.6	4.9
Computers and computer monitors	56.9	--	--	15.4	7.7	25.2	71.5	--	--	14.9	5.9	27.6
Faucets	33.3	149	752	15.8	4.5	22.8	74.1	324	1,658	30.2	6.1	44.9
High CRI fluorescent lamps	27.0	--	--	7.3	3.6	11.8	8.1	--	--	1.7	0.7	3.1
Portable air conditioners	6.3	--	--	1.7	0.9	2.8	19.0	--	--	3.9	1.6	7.1
Portable electric spas	1.7	--	--	0.5	0.2	0.8	3.8	--	--	0.8	0.3	1.4
Residential ventilating fans	1.8	--	--	0.5	0.2	0.8	3.9	--	--	0.8	0.3	1.5
Showerheads	23.6	101	358	11.0	3.2	15.9	52.3	225	796	21.2	4.3	31.5
Spray sprinkler bodies	--	--	1,221	--	--	--	--	--	2,442	--	--	--
Toilets (water closets)	--	--	201	--	--	--	--	--	628	--	--	--
Uninterruptible power supplies	10.1	--	--	2.7	1.4	4.4	13.7	--	--	2.9	1.1	5.4
Urinals	--	--	27	--	--	--	--	--	72	--	--	--
Water coolers	3.0	--	--	0.8	0.4	1.3	6.7	--	--	1.4	0.6	2.7
<b>Total</b>	<b>187</b>	<b>436</b>	<b>2,655</b>	<b>71</b>	<b>25</b>	<b>106</b>	<b>308</b>	<b>1,056</b>	<b>5,864</b>	<b>112</b>	<b>26</b>	<b>173</b>

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	0.7	3.0	2.9	3.7
Air purifiers	1.6	3.3	13.1	2.1	3.6
Commercial dishwashers	1.1	3.4	21.0	9.5	1.2
Commercial fryers	1.3	3.6	13.5	2.2	4.3
Commercial hot-food holding cabinets	0.1	0.4	1.8	2.9	3.3
Commercial steam cookers	0.9	2.7	16.8	10.6	1.0
Computers and computer monitors	5.7	7.3	28.9	1.9	2.6
Faucets	14.2	34.6	250.6	no cost	0.0
High CRI fluorescent lamps	2.5	0.8	10.6	2.6	2.8
Portable air conditioners	0.7	2.1	8.9	2.6	3.3
Portable electric spas	0.2	0.4	3.2	no cost	0.0
Residential ventilating fans	0.2	0.4	3.3	no cost	0.0
Showerheads	8.0	19.4	140.8	no cost	0.0
Spray sprinkler bodies	14.2	32.8	208.7	8.3	1.0
Toilets (water closets)	2.3	8.4	75.3	no cost	0.0
Uninterruptible power supplies	0.9	1.3	5.9	2.3	2.4
Urinals	0.3	1.0	6.6	no cost	0.0
Water coolers	0.3	0.6	4.6	no cost	0.0
<b>Total</b>	<b>55</b>	<b>123</b>	<b>817</b>	<b>8.7</b>	<b>-</b>

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: [Arkansas](#)

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)
Air compressors	82	--	--	18.5	7.7	34.6
Air purifiers	304	--	--	68.9	29.0	123.5
Commercial dishwashers	37	0.9	1.2	48.9	3.5	63.0
Commercial fryers	6	3.3	--	150.0	0.6	175.9
Commercial hot-food holding cabinets	38	--	--	8.6	3.6	16.1
Commercial steam cookers	64	0.3	1.1	30.0	6.0	45.2
Computers and computer monitors	865	--	--	200.0	85.6	361.0
Faucets	741	3.3	16.6	315.7	70.2	473.5
High CRI fluorescent lamps	269	--	--	65.9	29.3	115.6
Portable air conditioners	166	--	--	37.0	15.4	67.0
Portable electric spas	38	--	--	8.5	3.6	15.3
Residential ventilating fans	39	--	--	8.9	3.7	16.0
Showerheads	523	2.3	8.0	220.9	49.6	332.1
Spray sprinkler bodies	--	--	25.6	--	--	--
Toilets (water closets)	--	--	5.0	--	--	--
Uninterruptible power supplies	164	--	--	37.8	16.1	69.2
Urinals	--	--	0.6	--	--	--
Water coolers	67	--	--	15.2	6.4	28.4
<b>Total</b>	<b>3,404</b>	<b>10</b>	<b>58</b>	<b>1,235</b>	<b>330</b>	<b>1,936</b>

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