

## Appliance Standards Awareness Project

### 2019 State Appliance Standards Recommendations

#### Savings estimates for: Mississippi

	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	3.2	--	--	0.6	0.5	1.5	9.2	--	--	1.4	1.5	3.9
Air purifiers	13.9	--	--	2.5	2.2	6.5	27.8	--	--	4.2	4.6	11.3
Commercial dishwashers	1.5	36	50	1.9	0.2	2.6	4.4	105	147	5.5	0.7	7.5
Commercial fryers	0.2	135	--	6.2	0.04	7.3	0.7	360	--	16.5	0.1	19.4
Commercial hot-food holding cabinets	1.6	--	--	0.3	0.2	0.7	4.2	--	--	0.6	0.7	1.8
Commercial steam cookers	2.7	14	45	1.1	0.4	2.0	7.1	38	120	2.8	1.2	5.0
Computers and computer monitors	55.6	--	--	9.9	8.7	25.9	69.9	--	--	10.6	11.5	29.0
Faucets	40.5	112	753	12.3	6.3	24.8	89.9	243	1,659	24.8	14.8	49.2
High CRI fluorescent lamps	27.7	--	--	4.9	4.3	12.9	8.1	--	--	1.2	1.3	3.4
Portable air conditioners	5.3	--	--	0.9	0.8	2.5	16.0	--	--	2.4	2.6	6.5
Portable electric spas	1.4	--	--	0.3	0.2	0.7	3.2	--	--	0.5	0.5	1.3
Residential ventilating fans	1.7	--	--	0.3	0.3	0.8	3.8	--	--	0.6	0.6	1.5
Showerheads	28.6	76	358	8.5	4.5	17.3	63.6	168	796	17.3	10.5	34.6
Spray sprinkler bodies	--	--	1,079	--	--	--	--	--	2,157	--	--	--
Toilets (water closets)	--	--	201	--	--	--	--	--	628	--	--	--
Uninterruptible power supplies	10.0	--	--	1.8	1.6	4.7	13.6	--	--	2.1	2.2	5.7
Urinals	--	--	27	--	--	--	--	--	71	--	--	--
Water coolers	3.6	--	--	0.6	0.6	1.7	8.1	--	--	1.2	1.3	3.4
<b>Total</b>	<b>198</b>	<b>373</b>	<b>2,512</b>	<b>52</b>	<b>31</b>	<b>112</b>	<b>330</b>	<b>914</b>	<b>5,578</b>	<b>92</b>	<b>54</b>	<b>183</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	0.6	2.4	2.6	3.7
Air purifiers	1.6	3.2	13.3	2.2	3.4
Commercial dishwashers	1.0	3.3	20.4	9.3	1.2
Commercial fryers	1.2	3.2	11.0	2.0	4.7
Commercial hot-food holding cabinets	0.2	0.4	2.1	3.2	2.8
Commercial steam cookers	0.9	2.7	16.9	10.7	0.9
Computers and computer monitors	6.1	7.6	32.4	2.1	2.3
Faucets	14.8	35.7	258.6	no cost	0.0
High CRI fluorescent lamps	2.9	0.9	12.9	3.0	2.4
Portable air conditioners	0.6	1.9	7.8	2.7	3.1
Portable electric spas	0.2	0.4	2.7	no cost	0.0
Residential ventilating fans	0.2	0.4	3.3	no cost	0.0
Showerheads	8.4	20.2	146.5	no cost	0.0
Spray sprinkler bodies	12.6	28.9	184.4	8.3	1.0
Toilets (water closets)	2.3	8.4	75.3	no cost	0.0
Uninterruptible power supplies	1.1	1.4	6.9	2.5	2.1
Urinals	0.3	1.0	6.6	no cost	0.0
Water coolers	0.4	0.8	6.2	no cost	0.0
<b>Total</b>	<b>55</b>	<b>121</b>	<b>810</b>	<b>9.1</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: Mississippi

	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	78	--	--	12.5	12.8	35.0
Air purifiers	292	--	--	47.2	48.1	127.6
Commercial dishwashers	37	0.9	1.2	46.2	6.1	63.7
Commercial fryers	6	3.2	--	148.6	1.0	174.9
Commercial hot-food holding cabinets	38	--	--	6.1	6.3	17.2
Commercial steam cookers	64	0.3	1.1	25.7	10.5	46.8
Computers and computer monitors	846	--	--	137.9	138.9	378.6
Faucets	899	2.4	16.6	256.2	148.2	521.7
High CRI fluorescent lamps	275	--	--	46.3	45.2	126.9
Portable air conditioners	140	--	--	22.4	23.1	60.7
Portable electric spas	32	--	--	5.1	5.2	13.9
Residential ventilating fans	38	--	--	6.1	6.3	16.6
Showerheads	636	1.7	8.0	178.9	104.7	366.2
Spray sprinkler bodies	--	--	22.7	--	--	--
Toilets (water closets)	--	--	5.0	--	--	--
Uninterruptible power supplies	162	--	--	26.4	26.6	73.3
Urinals	--	--	0.6	--	--	--
Water coolers	81	--	--	13.0	13.3	36.4
<b>Total</b>	<b>3,624</b>	<b>9</b>	<b>55</b>	<b>979</b>	<b>596</b>	<b>2,060</b>

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