

**States Go First: How States Can Save Consumers Money, Reduce Energy and Water Waste, and Protect the Environment with New Appliance Standards** (Full report at <https://appliance-standards.org/document/states-go-first>)

**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)
Faucets	60.7	173	1,140	20.0	10.6	38.3	110.3	304	2,049	29.3	20.0	59.4
Showerheads	43.3	114	542	13.9	7.6	26.8	78.7	208	986	20.5	14.3	41.9
Lawn spray sprinklers	--	--	1,321	--	--	--	--	--	2,162	--	--	--
Toilets	--	--	281	--	--	--	--	--	761	--	--	--
Computers and monitors	67.6	--	--	13.5	11.8	33.0	75.7	--	--	10.6	13.7	30.1
High CRI fluorescent lamps	109.5	--	--	21.9	19.1	54.3	36.3	--	--	5.1	6.6	14.6
Air purifiers	20.2	--	--	4.0	3.5	9.7	33.1	--	--	4.6	6.0	13.0
Pool pump replacement motors	35.7	--	--	7.2	6.2	17.1	0.0	--	--	0.0	0.0	0.0
Commercial fryers	0.4	192	--	8.8	0.1	10.4	0.9	419	--	19.2	0.2	22.6
Commercial dishwashers	1.8	42	59	2.3	0.3	3.1	4.3	101	141	5.2	0.8	7.1
Commercial steam cookers	3.2	17	55	1.4	0.6	2.5	7.0	37	120	2.7	1.3	4.8
Portable air conditioners	8.2	--	--	1.6	1.4	3.9	15.7	--	--	2.2	2.8	6.2
Urinals	--	--	89	--	--	--	--	--	195	--	--	--
Audio/video equipment	11.9	--	--	2.4	2.1	5.7	11.9	--	--	1.7	2.2	4.7
Uninterruptible power supplies	11.6	--	--	2.3	2.0	5.7	12.8	--	--	1.8	2.3	5.1
Telephones	7.9	--	--	1.6	1.4	3.9	7.9	--	--	1.1	1.4	3.2
Water coolers	5.2	--	--	1.0	0.9	2.6	9.4	--	--	1.3	1.7	3.8
Ventilation fans	3.0	--	--	0.6	0.5	1.4	6.6	--	--	0.9	1.2	2.6
Portable electric spas	1.7	--	--	0.3	0.3	0.8	3.1	--	--	0.4	0.6	1.2
Hot food holding cabinets	2.1	--	--	0.4	0.4	1.1	4.7	--	--	0.7	0.8	1.9
Compressors	3.7	--	--	0.7	0.6	1.8	8.8	--	--	1.2	1.6	3.5
<b>Total</b>	<b>398</b>	<b>539</b>	<b>3,487</b>	<b>104</b>	<b>69</b>	<b>222</b>	<b>427</b>	<b>1,070</b>	<b>6,413</b>	<b>108</b>	<b>77</b>	<b>226</b>

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Totals may not sum due to rounding. Potential savings for pool pump replacement motors are zero in 2035 because we assume that the recommended standard would affect just seven years of product sales beginning in 2021.

	Potential annual utility bill savings (million 2016\$)		Net present value savings (million 2016\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Faucets	22.2	44.1	331.6	no cost	0.0
Showerheads	12.6	25.1	189.1	no cost	0.0
Lawn spray sprinklers	15.1	28.5	188.0	8.3	1.0
Toilets	3.2	10.0	88.0	no cost	0.0
Computers and monitors	7.9	9.0	41.8	2.3	2.2
High CRI fluorescent lamps	12.4	4.2	39.7	1.9	2.6
Air purifiers	2.4	4.0	18.2	2.3	3.3
Pool pump replacement motors	4.3	0.0	22.9	7.0	0.9
Commercial fryers	2.0	4.6	20.4	2.6	3.8
Commercial dishwashers	1.3	3.4	21.9	10.1	1.1
Commercial steam cookers	1.2	2.8	18.5	11.4	0.9
Portable air conditioners	1.0	1.9	9.6	2.9	3.0
Urinals	1.0	2.6	18.3	no cost	0.0
Audio/video equipment	1.4	1.4	12.4	no cost	0.0
Uninterruptible power supplies	1.3	1.5	8.1	2.8	2.0
Telephones	0.9	0.9	8.0	no cost	0.0
Water coolers	0.6	1.1	8.4	no cost	0.0
Ventilation fans	0.4	0.8	5.9	no cost	0.0
Portable electric spas	0.2	0.4	3.0	no cost	0.0
Hot food holding cabinets	0.2	0.5	2.9	3.7	2.6
Compressors	0.3	0.7	3.4	3.3	3.2
<b>Total</b>	<b>92</b>	<b>148</b>	<b>1,060</b>	<b>8.0</b>	<b>-</b>

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between 2020 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 21 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)
Faucets	1,214	3.4	22.6	350.3	192.7	697.1
Showerheads	866	2.3	10.8	244.1	137.5	490.4
Lawn spray sprinklers	--	--	24.9	--	--	--
Toilets	--	--	6.5	--	--	--
Computers and monitors	979	--	--	162.6	157.3	435.6
High CRI fluorescent lamps	1,140	--	--	206.9	194.9	539.6
Air purifiers	380	--	--	61.7	60.3	162.6
Pool pump replacement motors	361	--	--	62.4	54.5	161.6
Commercial fryers	9	4.2	--	192.3	1.5	226.8
Commercial dishwashers	40	1.0	1.3	49.8	6.4	68.4
Commercial steam cookers	70	0.4	1.2	28.3	11.3	51.4
Portable air conditioners	169	--	--	27.2	26.9	71.9
Urinals	--	--	1.9	--	--	--
Audio/video equipment	158	--	--	26.4	25.6	68.7
Uninterruptible power supplies	166	--	--	27.6	26.7	75.4
Telephones	106	--	--	17.7	17.1	47.7
Water coolers	103	--	--	16.7	16.4	46.6
Ventilation fans	65	--	--	10.5	10.5	27.7
Portable electric spas	35	--	--	5.6	5.5	14.7
Hot food holding cabinets	47	--	--	7.5	7.5	21.0
Compressors	83	--	--	13.3	13.4	37.1
<b>Total</b>	<b>5,992</b>	<b>11</b>	<b>69</b>	<b>1,511</b>	<b>966</b>	<b>3,244</b>

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Totals may not sum due to rounding.