

Appliance Standards Awareness Project
2024 State Appliance Standards Recommendations

Savings estimates for: Mississippi

	Potential annual savings in 2030						Potential annual savings in 2040					
	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)
Commercial battery chargers	2.1	--	--	0.1	0.1	0.4	6.3	--	--	0.2	0.3	1.0
Commercial dishwashers	2.5	61	85	2.9	0.2	3.8	7.3	179	249	8.3	0.3	10.7
Commercial fryers	0.7	229	--	10.4	0.04	12.3	1.8	611	--	27.7	0.1	32.8
Commercial ovens	1.8	29	--	1.4	0.1	1.9	4.8	77	--	3.6	0.2	4.9
Commercial steam cookers	1.1	9	25	0.5	0.1	0.7	3.0	24	68	1.2	0.1	1.8
Faucets	15.1	48	314	3.0	1.0	5.6	33.4	105	695	5.7	1.5	11.1
Gas fireplaces	--	56	--	2.5	--	3.0	--	180	--	8.2	--	9.6
High CRI fluorescent lamps	11.8	--	--	0.6	0.8	2.4	4.5	--	--	0.1	0.2	0.7
Irrigation controllers	--	--	1,246	--	--	--	--	--	4,014	--	--	--
Portable electric spas	5.3	--	--	0.3	0.3	1.1	10.4	--	--	0.3	0.5	1.7
Residential ventilating fans	0.9	--	--	0.05	0.1	0.2	3.0	--	--	0.1	0.1	0.5
Showerheads	19.1	59	270	3.7	1.2	7.1	42.4	132	600	7.1	1.9	14.0
Spray sprinkler bodies	--	--	2,292	--	--	--	--	--	5,094	--	--	--
Toilets (water closets)	--	--	114	--	--	--	--	--	346	--	--	--
Urinals	--	--	25	--	--	--	--	--	67	--	--	--
Water coolers	9.7	--	--	0.5	0.6	2.0	21.5	--	--	0.6	1.0	3.6
Total	70	491	4,143	26	5	41	139	1,308	9,632	63	6	92

Assuming a compliance date of 2026 for all the recommended standards. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total water savings. The total potential water savings are thus smaller than the sum of the individual products.

Savings estimates for: Mississippi

	Potential annual utility bill savings (million 2022\$)		Net present value savings (million 2022\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.1	0.4	3.2	2.4
Commercial dishwashers	2.0	6.6	55.6	1.2
Commercial fryers	2.4	7.0	48.3	2.7
Commercial ovens	0.5	1.4	4.2	6.6
Commercial steam cookers	0.5	1.6	14.3	1.0
Faucets	6.4	16.3	163.1	0.0
Gas fireplaces	0.7	2.7	22.7	0.9
High CRI fluorescent lamps	1.2	0.5	5.7	2.2
Irrigation controllers	16.4	60.9	551.1	0.8
Portable electric spas	0.6	1.3	10.3	1.4
Residential ventilating fans	0.1	0.4	3.4	0.0
Showerheads	6.4	16.3	163.3	0.0
Spray sprinkler bodies	30.1	77.3	708.7	0.9
Toilets (water closets)	1.5	5.3	65.6	0.0
Urinals	0.3	1.0	10.0	0.0
Water coolers	0.9	2.3	22.8	0.0
Total	67	179	1,775	-

Assuming a compliance date of 2026 for 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 2026 and 2050. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total savings. The totals are thus smaller than the sum of the individual products.

Cumulative savings estimates for: Mississippi

Potential cumulative savings through 2050							
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)	Utility bill savings (million 2022\$)
Commercial battery chargers	115	--	--	3.6	5.6	19.1	8.1
Commercial dishwashers	134	3.3	4.6	153.5	6.5	197.2	120.9
Commercial fryers	35	11.6	--	527.3	1.7	622.5	131.3
Commercial ovens	92	1.5	--	69.5	4.5	93.3	25.8
Commercial steam cookers	58	0.5	1.3	22.8	2.8	34.2	31.0
Faucets	669	2.1	13.9	116.6	33.0	223.6	323.7
Gas fireplaces	--	3.3	--	147.9	--	173.3	47.6
High CRI fluorescent lamps	144	--	--	5.9	8.8	26.9	15.1
Irrigation controllers	--	--	72.7	--	--	--	1,121.0
Portable electric spas	212	--	--	6.8	10.6	35.7	25.8
Residential ventilating fans	55	--	--	1.7	2.6	9.0	6.7
Showerheads	848	2.6	12.0	146.3	41.8	281.7	324.2
Spray sprinkler bodies	--	--	101.9	--	--	--	1,552.5
Toilets (water closets)	--	--	7.2	--	--	--	112.2
Urinals	--	--	1.3	--	--	--	19.6
Water coolers	430	--	--	13.7	21.2	72.0	45.3
Total	2,791	25	189	1,216	139	1,788	3,515

Assuming a compliance date of 2026 for all the recommended standards. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total water and utility bill savings. The total potential water and utility bill savings are thus smaller than the sum of the individual products.