

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: Georgia

	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)
Faucets	160.1	818	3,860	45.9	14.2	112.9	291.1	1,452	6,936	85.5	10.8	180.6
Showerheads	114.2	553	1,835	31.4	10.1	78.9	207.7	1,005	3,336	59.6	7.7	127.2
Lawn spray sprinklers	--	--	2,363	--	--	--	--	--	3,867	--	--	--
Toilets	--	--	953	--	--	--	--	--	2,582	--	--	--
Computers and monitors	280.8	--	--	15.2	24.8	126.9	314.5	--	--	21.0	11.6	114.5
High CRI fluorescent lamps	396.9	--	--	21.5	35.1	183.6	129.9	--	--	8.7	4.8	47.7
Air purifiers	65.8	--	--	3.6	5.8	28.6	107.8	--	--	7.2	4.0	38.3
Pool pump replacement motors	108.1	--	--	5.8	9.6	46.9	0.0	--	--	0.0	0.0	0.0
Commercial fryers	1.5	663	--	30.3	0.1	35.9	3.2	1,446	--	66.1	0.1	78.0
Commercial dishwashers	6.1	145	202	7.0	0.5	10.6	14.7	350	487	16.9	0.5	24.0
Commercial steam cookers	11.1	59	189	3.3	1.0	8.3	24.3	129	413	7.5	0.9	15.8
Portable air conditioners	10.6	--	--	0.6	0.9	4.6	20.3	--	--	1.4	0.8	7.2
Urinals	--	--	308	--	--	--	--	--	671	--	--	--
Audio/video equipment	38.7	--	--	2.1	3.4	16.8	38.7	--	--	2.6	1.4	13.8
Uninterruptible power supplies	55.6	--	--	3.0	4.9	25.6	61.6	--	--	4.1	2.3	22.7
Telephones	25.8	--	--	1.4	2.3	11.8	25.8	--	--	1.7	1.0	9.5
Water coolers	17.0	--	--	0.9	1.5	7.9	30.8	--	--	2.1	1.1	11.4
Ventilation fans	9.7	--	--	0.5	0.9	4.2	21.4	--	--	1.4	0.8	7.6
Portable electric spas	6.9	--	--	0.4	0.6	3.0	12.5	--	--	0.8	0.5	4.5
Hot food holding cabinets	7.4	--	--	0.4	0.7	3.4	16.2	--	--	1.1	0.6	6.0
Compressors	7.7	--	--	0.4	0.7	3.6	18.1	--	--	1.2	0.7	6.7
Total	1,324	2,238	9,710	174	117	713	1,339	4,381	18,292	289	50	715

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	76.4	152.4	1,143.6	no cost	0.0
Showerheads	43.6	87.1	654.9	no cost	0.0
Lawn spray sprinklers	27.1	51.0	336.3	8.3	1.0
Toilets	10.9	34.1	298.4	no cost	0.0
Computers and monitors	31.4	35.4	158.7	2.1	2.4
High CRI fluorescent lamps	42.0	14.1	122.6	1.7	2.8
Air purifiers	8.0	13.3	60.7	2.4	3.3
Pool pump replacement motors	13.1	0.0	70.4	7.1	0.9
Commercial fryers	7.4	17.6	83.3	2.8	3.7
Commercial dishwashers	4.6	12.2	77.7	10.3	1.1
Commercial steam cookers	4.0	9.6	63.1	11.3	0.9
Portable air conditioners	1.3	2.5	12.6	2.9	3.0
Urinals	3.5	8.9	63.2	no cost	0.0
Audio/video equipment	4.7	4.8	40.9	no cost	0.0
Uninterruptible power supplies	5.9	6.6	34.6	2.6	2.1
Telephones	2.8	2.9	24.6	no cost	0.0
Water coolers	1.8	3.3	25.3	no cost	0.0
Ventilation fans	1.2	2.6	19.5	no cost	0.0
Portable electric spas	0.8	1.5	12.0	no cost	0.0
Hot food holding cabinets	0.8	1.7	8.9	3.4	2.8
Compressors	0.5	1.2	5.6	2.8	3.8
Total	292	463	3,317	7.6	-

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: Georgia

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Faucets	3,203	16.1	76.7	935.4	177.9	2,117.1
Showerheads	2,285	11.1	36.7	647.0	126.9	1,486.7
Lawn spray sprinklers	--	--	44.5	--	--	--
Toilets	--	--	21.9	--	--	--
Computers and monitors	4,068	--	--	252.3	245.8	1,692.7
High CRI fluorescent lamps	4,123	--	--	254.6	311.1	1,829.1
Air purifiers	1,239	--	--	77.5	70.1	489.7
Pool pump replacement motors	1,093	--	--	63.5	76.3	454.4
Commercial fryers	32	14.5	--	660.4	1.7	781.3
Commercial dishwashers	138	3.3	4.6	158.3	7.4	231.9
Commercial steam cookers	243	1.3	4.1	74.2	13.1	169.9
Portable air conditioners	218	--	--	13.8	12.0	85.8
Urinals	--	--	6.7	--	--	--
Audio/video equipment	515	--	--	31.9	31.7	206.8
Uninterruptible power supplies	798	--	--	49.5	48.2	338.1
Telephones	345	--	--	21.4	21.3	145.4
Water coolers	339	--	--	21.3	18.8	142.3
Ventilation fans	213	--	--	13.5	11.5	83.3
Portable electric spas	138	--	--	8.7	7.7	54.3
Hot food holding cabinets	162	--	--	10.2	8.7	67.4
Compressors	172	--	--	10.9	9.2	71.7
Total	19,324	46	195	3,304	1,200	10,448

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.