

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

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)
Air compressors	6.4	--	--	0.4	0.7	2.7	18.6	--	--	1.4	0.9	7.6
Air purifiers	45.8	--	--	3.0	4.7	20.3	91.5	--	--	7.1	4.6	36.8
Commercial dishwashers	5.3	125	174	6.0	0.5	8.9	15.5	369	513	18.0	0.8	25.9
Commercial fryers	0.9	472	--	21.6	0.1	25.4	2.3	1,259	--	57.5	0.1	67.8
Commercial hot-food holding cabinets	5.5	--	--	0.4	0.6	2.3	14.8	--	--	1.1	0.7	6.0
Commercial steam cookers	9.3	49	158	2.9	1.0	6.5	24.8	132	421	7.9	1.2	17.1
Computers and computer monitors	228.4	--	--	15.0	23.4	98.0	287.0	--	--	22.2	14.3	116.4
Faucets	107.3	537	2,560	31.5	11.0	76.2	238.4	1,171	5,640	71.8	11.9	158.0
High CRI fluorescent lamps	97.5	--	--	6.4	10.0	41.0	28.0	--	--	2.2	1.4	11.4
Portable air conditioners	6.9	--	--	0.5	0.7	3.1	20.7	--	--	1.6	1.0	8.3
Portable electric spas	5.7	--	--	0.4	0.6	2.5	12.7	--	--	1.0	0.6	5.1
Residential ventilating fans	5.6	--	--	0.4	0.6	2.5	12.5	--	--	1.0	0.6	5.0
Showerheads	75.8	367	1,218	21.7	7.8	53.2	168.5	816	2,707	50.2	8.4	111.0
Spray sprinkler bodies	--	--	1,957	--	--	--	--	--	3,913	--	--	--
Uninterruptible power supplies	46.9	--	--	3.1	4.8	19.8	63.5	--	--	4.9	3.2	25.9
Urinals	--	--	93	--	--	--	--	--	248	--	--	--
Water coolers	11.8	--	--	0.8	1.2	4.9	26.1	--	--	2.0	1.3	10.7
Total	659	1,551	6,161	114	67	367	1,025	3,746	13,443	250	51	613

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	0.4	1.1	4.8	2.6	3.5
Air purifiers	5.8	11.3	49.3	2.3	3.0
Commercial dishwashers	3.8	12.1	74.3	9.7	1.1
Commercial fryers	4.8	12.9	49.0	2.3	4.1
Commercial hot-food holding cabinets	0.6	1.5	7.1	3.1	2.7
Commercial steam cookers	3.3	9.4	59.8	10.8	0.9
Computers and computer monitors	25.7	31.0	135.0	2.1	2.2
Faucets	52.5	125.8	912.9	no cost	0.0
High CRI fluorescent lamps	10.2	3.0	45.5	3.0	2.2
Portable air conditioners	0.9	2.5	11.2	2.9	2.7
Portable electric spas	0.7	1.6	11.7	no cost	0.0
Residential ventilating fans	0.7	1.5	11.5	no cost	0.0
Showerheads	30.1	71.6	521.5	no cost	0.0
Spray sprinkler bodies	22.8	52.5	334.5	8.3	1.0
Uninterruptible power supplies	5.0	6.4	31.6	2.5	2.0
Urinals	1.1	3.3	23.0	no cost	0.0
Water coolers	1.2	2.6	19.4	no cost	0.0
Total	170	350	2,302	8.3	-

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: Georgia

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air compressors	158	--	--	11.6	11.1	68.6
Air purifiers	961	--	--	70.0	70.0	409.1
Commercial dishwashers	130	3.1	4.3	150.2	9.1	220.6
Commercial fryers	21	11.3	--	517.6	1.5	610.9
Commercial hot-food holding cabinets	133	--	--	9.8	9.4	57.9
Commercial steam cookers	223	1.2	3.8	70.4	15.8	160.1
Computers and computer monitors	3,474	--	--	248.3	264.3	1,502.5
Faucets	2,384	11.8	56.5	710.9	171.5	1,638.4
High CRI fluorescent lamps	964	--	--	64.8	81.9	421.0
Portable air conditioners	181	--	--	13.5	12.7	76.7
Portable electric spas	127	--	--	9.3	9.2	54.1
Residential ventilating fans	125	--	--	9.1	9.0	53.1
Showerheads	1,685	8.2	27.1	494.9	121.2	1,149.2
Spray sprinkler bodies	--	--	41.1	--	--	--
Uninterruptible power supplies	759	--	--	54.4	57.6	330.2
Urinals	--	--	2.2	--	--	--
Water coolers	261	--	--	19.1	18.8	113.8
Total	11,587	36	135	2,454	863	6,866

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