

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: [Alabama](#)

	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	6.5	--	--	0.4	0.7	2.7	18.8	--	--	1.5	0.9	7.7
Air purifiers	23.4	--	--	1.5	2.4	10.4	46.9	--	--	3.6	2.3	18.8
Commercial dishwashers	2.5	59	81	2.8	0.3	4.1	7.3	172	240	8.4	0.4	12.1
Commercial fryers	0.4	221	--	10.1	0.0	11.9	1.1	589	--	26.9	0.1	31.7
Commercial hot-food holding cabinets	2.6	--	--	0.2	0.3	1.1	6.9	--	--	0.5	0.3	2.8
Commercial steam cookers	4.3	23	74	1.3	0.4	3.0	11.6	62	197	3.7	0.6	8.0
Computers and computer monitors	91.2	--	--	6.0	9.3	39.4	114.6	--	--	8.9	5.7	46.4
Faucets	66.1	183	1,230	12.7	6.8	39.1	146.9	396	2,709	29.4	7.3	80.1
High CRI fluorescent lamps	44.4	--	--	2.9	4.5	18.7	13.3	--	--	1.0	0.7	5.4
Portable air conditioners	9.0	--	--	0.6	0.9	4.0	26.9	--	--	2.1	1.3	10.8
Portable electric spas	2.5	--	--	0.2	0.3	1.1	5.4	--	--	0.4	0.3	2.2
Residential ventilating fans	2.9	--	--	0.2	0.3	1.3	6.4	--	--	0.5	0.3	2.6
Showerheads	46.7	123	585	8.7	4.8	27.3	103.8	274	1,301	20.5	5.2	56.3
Spray sprinkler bodies	--	--	785	--	--	--	--	--	1,570	--	--	--
Toilets (water closets)	--	--	328	--	--	--	--	--	1,025	--	--	--
Uninterruptible power supplies	16.1	--	--	1.1	1.6	6.8	21.8	--	--	1.7	1.1	8.9
Urinals	--	--	44	--	--	--	--	--	116	--	--	--
Water coolers	5.8	--	--	0.4	0.6	2.4	12.8	--	--	1.0	0.6	5.2
Total	324	609	3,127	49	33	173	545	1,493	7,158	110	27	299

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	1.2	5.1	2.6	3.4
Air purifiers	3.1	6.1	27.7	2.5	2.8
Commercial dishwashers	2.0	6.2	38.5	10.6	1.0
Commercial fryers	2.8	7.5	33.2	2.8	3.3
Commercial hot-food holding cabinets	0.3	0.8	4.1	3.6	2.3
Commercial steam cookers	1.7	4.7	30.3	11.7	0.8
Computers and computer monitors	11.5	13.9	66.6	2.3	2.0
Faucets	26.1	62.2	451.8	no cost	0.0
High CRI fluorescent lamps	5.3	1.6	25.0	3.3	2.0
Portable air conditioners	1.2	3.5	15.7	3.0	2.6
Portable electric spas	0.3	0.7	5.3	no cost	0.0
Residential ventilating fans	0.4	0.8	6.2	no cost	0.0
Showerheads	15.1	35.6	259.8	no cost	0.0
Spray sprinkler bodies	9.1	21.1	134.2	8.3	1.0
Toilets (water closets)	3.8	13.8	122.9	no cost	0.0
Uninterruptible power supplies	1.9	2.5	13.5	2.8	1.7
Urinals	0.5	1.6	10.7	no cost	0.0
Water coolers	0.7	1.5	11.0	no cost	0.0
Total	86	185	1,262	9.9	-

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: [Alabama](#)

	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	160	--	--	11.8	11.2	69.5
Air purifiers	492	--	--	35.9	35.9	209.7
Commercial dishwashers	61	1.4	2.0	70.2	4.3	103.1
Commercial fryers	10	5.3	--	241.9	0.7	285.6
Commercial hot-food holding cabinets	62	--	--	4.6	4.4	27.1
Commercial steam cookers	104	0.6	1.8	32.9	7.4	74.8
Computers and computer monitors	1,387	--	--	99.1	105.5	598.7
Faucets	1,469	4.0	27.2	289.4	105.6	836.2
High CRI fluorescent lamps	442	--	--	29.7	37.5	193.0
Portable air conditioners	236	--	--	17.5	16.5	99.9
Portable electric spas	54	--	--	4.0	3.9	23.1
Residential ventilating fans	64	--	--	4.7	4.6	27.2
Showerheads	1,038	2.7	13.0	201.0	74.7	586.9
Spray sprinkler bodies	--	--	16.5	--	--	--
Toilets (water closets)	--	--	8.1	--	--	--
Uninterruptible power supplies	260	--	--	18.6	19.8	113.2
Urinals	--	--	1.0	--	--	--
Water coolers	128	--	--	9.4	9.2	56.0
Total	5,969	14	70	1,071	441	3,304

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