

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: South Carolina

	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	5.3	--	--	0.5	0.6	1.4	15.4	--	--	1.1	1.1	4.9
Air purifiers	23.3	--	--	2.1	2.4	7.8	46.6	--	--	3.3	3.3	14.1
Commercial dishwashers	2.5	60	84	3.0	0.3	3.9	7.5	178	247	8.6	0.5	11.8
Commercial fryers	0.4	227	--	10.4	0.04	12.2	1.1	607	--	27.7	0.1	32.6
Commercial hot-food holding cabinets	2.7	--	--	0.2	0.3	0.7	7.1	--	--	0.5	0.5	2.3
Commercial steam cookers	4.5	24	76	1.5	0.5	2.4	11.9	63	203	3.7	0.9	7.2
Computers and computer monitors	110.9	--	--	9.8	11.6	32.2	139.4	--	--	9.8	10.0	43.5
Faucets	78.9	114	1,222	12.2	8.3	32.4	175.4	243	2,693	23.4	12.6	66.1
High CRI fluorescent lamps	46.1	--	--	4.1	4.8	12.2	13.6	--	--	1.0	1.0	4.2
Portable air conditioners	6.0	--	--	0.5	0.6	2.0	18.0	--	--	1.3	1.3	5.5
Portable electric spas	3.2	--	--	0.3	0.3	1.1	7.0	--	--	0.5	0.5	2.1
Residential ventilating fans	2.9	--	--	0.3	0.3	1.0	6.4	--	--	0.4	0.5	1.9
Showerheads	55.8	75	582	8.3	5.9	22.6	123.9	166	1,292	16.3	8.9	46.4
Spray sprinkler bodies	--	--	1,819	--	--	--	--	--	3,638	--	--	--
Toilets (water closets)	--	--	328	--	--	--	--	--	1,024	--	--	--
Uninterruptible power supplies	22.2	--	--	2.0	2.3	5.9	30.1	--	--	2.1	2.2	9.5
Urinals	--	--	45	--	--	--	--	--	120	--	--	--
Water coolers	5.5	--	--	0.5	0.6	1.4	12.3	--	--	0.9	0.9	3.9
Total	370	500	4,156	56	39	139	616	1,256	9,217	101	44	256

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	1.0	4.4	2.7	3.3
Air purifiers	3.3	6.5	31.1	2.7	2.7
Commercial dishwashers	1.8	5.9	35.9	9.7	1.1
Commercial fryers	2.3	6.1	23.2	2.3	4.2
Commercial hot-food holding cabinets	0.3	0.7	3.7	3.3	2.5
Commercial steam cookers	1.6	4.6	29.2	11.0	0.9
Computers and computer monitors	13.6	16.5	77.6	2.3	2.0
Faucets	27.1	64.3	468.4	no cost	0.0
High CRI fluorescent lamps	5.2	1.6	23.8	3.2	2.1
Portable air conditioners	0.9	2.5	11.8	3.3	2.4
Portable electric spas	0.4	1.0	7.3	no cost	0.0
Residential ventilating fans	0.4	0.9	6.7	no cost	0.0
Showerheads	15.8	37.2	272.0	no cost	0.0
Spray sprinkler bodies	21.2	48.8	311.0	8.3	1.0
Toilets (water closets)	3.8	13.7	122.7	no cost	0.0
Uninterruptible power supplies	2.5	3.2	16.6	2.6	1.9
Urinals	0.5	1.6	11.1	no cost	0.0
Water coolers	0.6	1.3	9.6	no cost	0.0
Total	102	218	1,466	9.3	-

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: [South Carolina](#)

	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	130	--	--	10.0	10.6	41.4
Air purifiers	489	--	--	38.1	40.3	155.1
Commercial dishwashers	63	1.5	2.1	72.6	5.1	98.9
Commercial fryers	10	5.5	--	249.4	0.8	293.2
Commercial hot-food holding cabinets	64	--	--	4.9	5.2	20.3
Commercial steam cookers	107	0.6	1.8	34.3	8.7	64.4
Computers and computer monitors	1,687	--	--	133.0	142.4	532.1
Faucets	1,754	2.5	27.0	248.0	143.7	686.3
High CRI fluorescent lamps	458	--	--	37.4	41.3	141.2
Portable air conditioners	158	--	--	12.1	12.7	50.1
Portable electric spas	70	--	--	5.4	5.7	22.2
Residential ventilating fans	64	--	--	4.9	5.2	20.1
Showerheads	1,239	1.7	12.9	171.6	101.6	480.8
Spray sprinkler bodies	--	--	38.2	--	--	--
Toilets (water closets)	--	--	8.1	--	--	--
Uninterruptible power supplies	360	--	--	28.3	30.3	113.3
Urinals	--	--	1.1	--	--	--
Water coolers	123	--	--	9.5	10.1	39.0
Total	6,777	12	91	1,060	564	2,758

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