

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: [New Jersey](#)

	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	1.6	--	--	0.3	0.4	0.6	4.6	--	--	0.9	1.1	1.7
Air purifiers	40.5	--	--	7.5	11.0	15.8	80.9	--	--	15.4	19.9	31.1
Commercial dishwashers	4.6	108	151	5.8	1.2	7.5	13.4	318	443	17.0	3.3	22.0
Commercial fryers	0.7	408	--	18.7	0.2	21.9	2.0	1,087	--	49.9	0.5	58.5
Commercial hot-food holding cabinets	4.8	--	--	0.9	1.3	1.9	12.8	--	--	2.4	3.1	4.8
Commercial steam cookers	8.0	43	136	3.4	2.2	5.4	21.4	114	364	9.3	5.3	14.1
Computers and computer monitors	244.5	--	--	45.0	66.7	95.9	307.2	--	--	58.5	75.5	116.4
Faucets	23.1	847	2,272	42.8	6.3	54.0	51.4	1,864	5,007	94.7	12.6	118.7
High CRI fluorescent lamps	107.8	--	--	19.9	29.4	42.3	29.0	--	--	5.5	7.1	11.0
Portable air conditioners	27.3	--	--	5.0	7.4	10.6	81.8	--	--	15.6	20.1	31.4
Portable electric spas	8.6	--	--	1.6	2.4	3.4	19.2	--	--	3.6	4.7	7.3
Residential ventilating fans	5.0	--	--	0.9	1.4	1.9	11.0	--	--	2.1	2.7	4.2
Showerheads	16.3	588	1,082	29.8	4.5	37.6	36.3	1,307	2,404	66.4	8.9	83.3
Spray sprinkler bodies	--	--	1,754	--	--	--	--	--	3,508	--	--	--
Toilets (water closets)	--	--	606	--	--	--	--	--	1,894	--	--	--
Uninterruptible power supplies	54.5	--	--	10.0	14.9	21.4	73.8	--	--	14.1	18.1	27.9
Urinals	--	--	80	--	--	--	--	--	214	--	--	--
Water coolers	9.6	--	--	1.8	2.6	3.8	21.4	--	--	4.1	5.3	8.1
Total	557	1,993	6,081	193	152	324	766	4,689	13,834	359	188	541

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	0.2	0.5	2.7	4.6	2.2
Air purifiers	7.6	16.0	87.1	3.7	2.2
Commercial dishwashers	3.5	11.1	68.3	10.2	1.1
Commercial fryers	4.4	11.9	47.6	2.4	3.9
Commercial hot-food holding cabinets	0.6	1.7	9.0	4.1	2.4
Commercial steam cookers	3.1	8.9	56.7	11.8	0.9
Computers and computer monitors	36.3	46.8	245.4	2.9	1.9
Faucets	39.8	97.7	704.5	no cost	0.0
High CRI fluorescent lamps	14.3	4.4	71.0	3.9	1.9
Portable air conditioners	5.1	16.1	83.6	4.6	2.0
Portable electric spas	1.6	3.8	27.7	no cost	0.0
Residential ventilating fans	0.9	2.2	16.0	no cost	0.0
Showerheads	22.0	53.9	388.9	no cost	0.0
Spray sprinkler bodies	20.3	46.7	297.5	8.2	1.0
Toilets (water closets)	7.0	25.2	225.6	no cost	0.0
Uninterruptible power supplies	7.3	10.0	55.6	3.2	1.8
Urinals	0.9	2.9	19.7	no cost	0.0
Water coolers	1.2	2.8	20.8	no cost	0.0
Total	176	362	2,428	8.4	-

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: [New Jersey](#)

	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	39	--	--	7.4	10.3	15.1
Air purifiers	850	--	--	159.9	224.9	326.2
Commercial dishwashers	112	2.7	3.7	142.6	29.5	185.0
Commercial fryers	18	9.8	--	449.0	4.7	526.7
Commercial hot-food holding cabinets	115	--	--	21.6	30.3	44.4
Commercial steam cookers	193	1.0	3.3	82.9	50.7	128.7
Computers and computer monitors	3,718	--	--	698.7	989.4	1,436.6
Faucets	514	18.7	50.2	947.8	135.7	1,189.8
High CRI fluorescent lamps	1,055	--	--	197.8	286.2	410.6
Portable air conditioners	716	--	--	134.9	188.3	274.3
Portable electric spas	192	--	--	36.0	50.6	73.5
Residential ventilating fans	110	--	--	20.8	29.2	42.4
Showerheads	363	13.1	24.0	663.4	95.9	833.3
Spray sprinkler bodies	--	--	36.8	--	--	--
Toilets (water closets)	--	--	15.0	--	--	--
Uninterruptible power supplies	882	--	--	165.9	234.8	341.5
Urinals	--	--	1.9	--	--	--
Water coolers	214	--	--	40.3	56.6	82.8
Total	9,092	45	135	3,769	2,417	5,911

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