

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Maryland

	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	0.9	--	--	0.2	0.2	0.3	2.5	--	--	0.5	0.6	0.9
Air purifiers	27.6	--	--	5.1	7.5	10.8	55.2	--	--	10.5	13.6	21.2
Commercial dishwashers	3.1	73	101	3.9	0.8	5.1	9.0	214	298	11.5	2.2	14.8
Commercial fryers	0.5	274	--	12.6	0.1	14.8	1.3	731	--	33.5	0.3	39.3
Commercial steam cookers	5.4	29	92	2.3	1.5	3.6	14.4	76	244	6.2	3.5	9.5
Computers and computer monitors	140.7	--	--	25.9	38.4	55.2	176.8	--	--	33.7	43.4	67.1
Faucets	77.8	244	1,515	25.4	21.2	43.3	172.8	530	3,337	57.0	42.5	94.4
High CRI fluorescent lamps	60.7	--	--	11.2	16.6	23.8	17.3	--	--	3.3	4.2	6.5
Portable air conditioners	15.6	--	--	2.9	4.3	6.1	46.7	--	--	8.9	11.5	17.9
Portable electric spas	3.7	--	--	0.7	1.0	1.4	8.2	--	--	1.6	2.0	3.2
Residential ventilating fans	3.4	--	--	0.6	0.9	1.3	7.5	--	--	1.4	1.8	2.9
Showerheads	55.0	165	721	17.7	15.0	30.3	122.2	367	1,602	40.0	30.0	66.4
Spray sprinkler bodies	--	--	2,320	--	--	--	--	--	4,640	--	--	--
Toilets (water closets)	--	--	404	--	--	--	--	--	1,264	--	--	--
Uninterruptible power supplies	29.2	--	--	5.4	8.0	11.5	39.5	--	--	7.5	9.7	14.9
Urinals	--	--	54	--	--	--	--	--	144	--	--	--
Water coolers	7.3	--	--	1.4	2.0	2.9	16.3	--	--	3.1	4.0	6.1
Total	431	785	5,207	115	118	210	690	1,919	11,530	219	169	365

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	0.1	0.2	1.2	3.9	2.6
Air purifiers	4.6	9.7	50.5	3.3	2.5
Commercial dishwashers	2.3	7.5	46.2	10.3	1.1
Commercial fryers	3.2	8.5	35.7	2.6	3.6
Commercial steam cookers	2.0	5.8	37.0	11.5	0.9
Computers and computer monitors	18.9	24.4	120.8	2.6	2.1
Faucets	33.9	82.4	596.2	no cost	0.0
High CRI fluorescent lamps	7.1	2.4	33.9	3.4	2.2
Portable air conditioners	2.6	8.2	41.2	4.1	2.3
Portable electric spas	0.6	1.4	10.6	no cost	0.0
Residential ventilating fans	0.6	1.3	9.7	no cost	0.0
Showerheads	19.8	48.0	348.1	no cost	0.0
Spray sprinkler bodies	27.0	62.2	396.7	8.3	1.0
Toilets (water closets)	4.7	17.0	151.6	no cost	0.0
Uninterruptible power supplies	3.4	4.7	24.8	2.8	2.0
Urinals	0.6	1.9	13.3	no cost	0.0
Water coolers	0.8	1.9	13.9	no cost	0.0
Total	132	288	1,931	9.6	-

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: Maryland

	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	21	--	--	4.0	5.6	8.3
Air purifiers	579	--	--	109.0	153.3	222.3
Commercial dishwashers	75	1.8	2.5	95.8	19.8	124.3
Commercial fryers	12	6.6	--	301.8	3.1	353.9
Commercial steam cookers	129	0.7	2.2	55.7	34.1	86.5
Computers and computer monitors	2,140	--	--	402.1	569.4	826.5
Faucets	1,728	5.3	33.5	568.2	456.6	946.3
High CRI fluorescent lamps	600	--	--	112.4	162.6	233.3
Portable air conditioners	409	--	--	77.1	107.6	156.7
Portable electric spas	82	--	--	15.5	21.7	31.6
Residential ventilating fans	75	--	--	14.2	19.9	28.9
Showerheads	1,222	3.7	16.0	397.2	322.7	663.8
Spray sprinkler bodies	--	--	48.7	--	--	--
Toilets (water closets)	--	--	10.0	--	--	--
Uninterruptible power supplies	473	--	--	88.8	125.7	182.9
Urinals	--	--	1.3	--	--	--
Water coolers	163	--	--	30.7	43.1	63.0
Total	7,710	18	114	2,272	2,045	3,928

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