

Appliance Standards Awareness Project

2021 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 purifiers	31.6	--	--	2.5	6.4	9.7	113.8	--	--	8.7	24.5	29.7
Commercial dishwashers	2.5	58	81	2.8	0.5	4.0	12.3	292	407	14.2	2.6	18.7
Commercial steam cookers	3.3	18	56	1.1	0.7	2.1	15.9	84	270	5.0	3.4	8.6
Faucets	35.2	110	685	7.8	7.1	16.6	140.7	429	2,712	30.2	30.2	59.6
Portable electric spas	11.6	--	--	0.9	2.4	3.6	37.5	--	--	2.9	8.1	9.8
Residential ventilating fans	4.2	--	--	0.3	0.8	1.3	20.9	--	--	1.6	4.5	5.5
Showerheads	32.0	96	420	6.9	6.5	14.9	128.1	386	1,682	27.3	27.5	54.0
Spray sprinkler bodies	--	--	2,701	--	--	--	--	--	10,805	--	--	--
Toilets (water closets)	--	--	192	--	--	--	--	--	953	--	--	--
Urinals	--	--	37	--	--	--	--	--	178	--	--	--
Water coolers	8.3	--	--	0.7	1.7	3.0	33.3	--	--	2.6	7.2	8.6
Total	129	283	4,174	23	26	55	503	1,192	17,007	93	108	194

Assuming a compliance date of 2023 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.

Savings estimates for: [Maryland](#)

	Potential annual utility bill savings (million 2019\$)		Net present value savings (million 2019\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air purifiers	4.7	18.1	122.2	no cost	0.0
Commercial dishwashers	1.8	10.3	59.7	9.8	1.1
Commercial steam cookers	1.2	6.5	37.5	11.2	0.9
Faucets	14.9	65.9	434.3	no cost	0.0
Portable electric spas	1.7	5.9	35.5	8.8	0.8
Residential ventilating fans	0.6	3.3	22.6	no cost	0.0
Showerheads	11.0	48.9	322.7	no cost	0.0
Spray sprinkler bodies	32.7	150.9	905.8	11.8	0.8
Toilets (water closets)	2.3	13.3	120.8	no cost	0.0
Urinals	0.4	2.5	15.7	no cost	0.0
Water coolers	0.9	3.8	24.9	no cost	0.0
Total	72	329	2,102	22.2	–

Assuming a compliance date of 2023 for 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 2023 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. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.

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 purifiers	967	--	--	73.7	209.1	262.7
Commercial dishwashers	83	2.0	2.8	95.9	18.0	128.7
Commercial steam cookers	111	0.6	1.9	35.3	24.0	63.1
Faucets	1,126	3.5	21.7	242.2	243.3	488.7
Portable electric spas	313	--	--	23.9	67.7	85.3
Residential ventilating fans	141	--	--	10.8	30.5	38.3
Showerheads	1,025	3.1	13.5	218.0	221.5	442.0
Spray sprinkler bodies	--	--	86.4	--	--	--
Toilets (water closets)	--	--	6.5	--	--	--
Urinals	--	--	1.2	--	--	--
Water coolers	266	--	--	20.3	57.6	76.3
Total	4,034	9	134	720	872	1,585

Assuming a compliance date of 2023 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.