

## Appliance Standards Awareness Project

### 2022 State Appliance Standards Recommendations

#### Savings estimates for: [Maryland](#)

	Potential annual savings in 2030						Potential annual savings in 2040					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)
Air purifiers	84.7	--	--	4.4	10.6	20.1	117.3	--	--	6.2	15.3	26.4
Commercial dishwashers	3.7	91	127	4.3	0.5	5.8	7.5	185	258	8.8	1.0	11.5
Commercial steam cookers	1.9	15	42	0.8	0.2	1.3	3.5	28	78	1.5	0.5	2.3
Electric vehicle supply equipment	8.6	--	--	0.4	1.1	2.0	53.4	--	--	2.8	6.9	12.0
Faucets	94.5	250	1,763	16.2	11.9	35.7	145.4	382	2,707	25.0	18.9	53.0
High CRI fluorescent lamps	46.6	--	--	2.4	5.9	12.3	11.1	--	--	0.6	1.4	2.5
Portable electric spas	26.2	--	--	1.4	3.3	6.2	38.2	--	--	2.0	5.0	8.6
Residential ventilating fans	12.0	--	--	0.6	1.5	2.9	27.8	--	--	1.5	3.6	6.3
Showerheads	89.4	232	1,133	15.1	11.2	33.5	137.5	356	1,743	23.5	17.9	49.9
Spray sprinkler bodies	--	--	7,018	--	--	--	--	--	10,796	--	--	--
Toilets (water closets)	--	--	523	--	--	--	--	--	1,253	--	--	--
Urinals	--	--	80	--	--	--	--	--	147	--	--	--
Water coolers	19.0	--	--	1.0	2.4	5.1	29.3	--	--	1.6	3.8	6.5
<b>Total</b>	<b>387</b>	<b>588</b>	<b>10,686</b>	<b>47</b>	<b>49</b>	<b>125</b>	<b>571</b>	<b>952</b>	<b>16,982</b>	<b>73</b>	<b>74</b>	<b>179</b>

Assuming a compliance date of 2024 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.

## Savings estimates for: [Maryland](#)

	Potential annual utility bill savings (million 2020\$)		Net present value savings (million 2020\$)	Benefit-cost ratio	Payback period (years)
	In 2030	In 2040			
Air purifiers	11.7	16.4	136.1	no cost	0.0
Commercial dishwashers	3.1	6.8	45.3	10.5	1.1
Commercial steam cookers	0.9	1.9	13.0	11.4	0.9
Electric vehicle supply equipment	1.2	7.5	46.6	no cost	0.0
Faucets	39.5	66.2	516.8	no cost	0.0
High CRI fluorescent lamps	5.4	1.3	24.8	3.5	1.8
Portable electric spas	3.6	5.3	38.4	7.8	0.9
Residential ventilating fans	1.7	3.9	28.3	no cost	0.0
Showerheads	30.3	50.2	394.2	no cost	0.0
Spray sprinkler bodies	92.6	162.6	1136.6	11.8	0.8
Toilets (water closets)	6.9	18.9	161.0	no cost	0.0
Urinals	1.1	2.2	16.4	no cost	0.0
Water coolers	2.2	3.3	27.2	no cost	0.0
<b>Total</b>	<b>200</b>	<b>347</b>	<b>2,585</b>	<b>21.5</b>	<b>-</b>

Assuming a compliance date of 2024 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 2024 and 2040. 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 2040 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 commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.

## Cumulative savings estimates for: [Maryland](#)

	Potential cumulative savings through 2040					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)
Air purifiers	1,466	--	--	77.3	176.8	339.0
Commercial dishwashers	79	1.9	2.7	91.6	9.4	121.4
Commercial steam cookers	39	0.3	0.9	16.1	4.6	25.8
Electric vehicle supply equipment	311	--	--	16.3	37.2	70.3
Faucets	1,745	4.6	32.5	300.4	209.8	646.8
High CRI fluorescent lamps	459	--	--	24.8	57.4	119.7
Portable electric spas	472	--	--	24.9	56.9	109.2
Residential ventilating fans	264	--	--	13.9	31.7	60.5
Showerheads	1,650	4.3	20.9	280.8	198.5	607.9
Spray sprinkler bodies	--	--	129.6	--	--	--
Toilets (water closets)	--	--	11.4	--	--	--
Urinals	--	--	1.6	--	--	--
Water coolers	352	--	--	18.5	42.3	85.4
<b>Total</b>	<b>6,836</b>	<b>11</b>	<b>200</b>	<b>865</b>	<b>825</b>	<b>2,186</b>

Assuming a compliance date of 2024 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.