

## Appliance Standards Awareness Project

### 2021 State Appliance Standards Recommendations

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

	Potential annual savings in 2026						Potential annual savings in 2035					
	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	27.6	--	--	4.5	2.0	2.4	71.0	--	--	10.9	4.9	5.2
Commercial dishwashers	2.0	48	67	2.5	0.1	2.8	7.3	173	241	9.0	0.5	9.7
Commercial steam cookers	2.7	15	47	1.1	0.2	1.1	9.4	50	160	3.7	0.6	3.3
Electric vehicle supply equipment	1.5	--	--	0.2	0.1	0.1	14.4	--	--	2.2	1.0	1.1
Faucets	13.4	172	568	10.0	0.9	10.3	38.4	487	1,609	28.0	2.7	28.7
Gas fireplaces	--	14	--	0.7	--	0.8	--	51	--	2.3	--	2.7
General service lamps (state-regulated)	23.1	--	--	3.8	1.6	2.0	35.4	--	--	5.5	2.4	2.6
High CRI fluorescent lamps	16.0	--	--	2.6	1.1	1.7	7.8	--	--	1.2	0.5	0.6
Portable electric spas	20.5	--	--	3.4	1.4	1.8	49.0	--	--	7.6	3.4	3.6
Residential ventilating fans	3.7	--	--	0.6	0.3	0.3	13.0	--	--	2.0	0.9	1.0
Showerheads	12.2	154	349	9.0	0.9	9.3	34.9	440	998	25.3	2.4	26.0
Spray sprinkler bodies	--	--	879	--	--	--	--	--	2,510	--	--	--
Toilets (water closets)	--	--	160	--	--	--	--	--	565	--	--	--
Urinals	--	--	31	--	--	--	--	--	105	--	--	--
Water coolers	4.9	--	--	0.8	0.3	0.5	13.9	--	--	2.2	1.0	1.0
<b>Total</b>	<b>128</b>	<b>404</b>	<b>2,100</b>	<b>39</b>	<b>9</b>	<b>33</b>	<b>294</b>	<b>1,201</b>	<b>6,188</b>	<b>100</b>	<b>20</b>	<b>85</b>

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: Connecticut

	Potential annual utility bill savings (million 2019\$)		Net present value savings (million 2019\$)	Benefit-cost ratio	Payback period (years)
	In 2026	In 2035			
Air purifiers	6.2	16.6	112.9	no cost	0.0
Commercial dishwashers	1.6	6.4	37.3	10.3	1.1
Commercial steam cookers	1.2	4.5	26.4	13.1	0.8
Electric vehicle supply equipment	0.3	3.4	23.3	no cost	0.0
Faucets	12.3	38.1	251.9	no cost	0.0
Gas fireplaces	0.2	0.7	4.6	13.7	0.8
General service lamps (state-regulated)	5.2	8.3	86.0	no cost**	0.3
High CRI fluorescent lamps	3.0	1.6	17.8	4.0	1.6
Portable electric spas	4.6	11.5	72.2	14.4	0.5
Residential ventilating fans	0.8	3.0	20.8	no cost	0.0
Showerheads	9.1	28.2	186.6	no cost	0.0
Spray sprinkler bodies	10.7	34.8	208.8	11.7	0.8
Toilets (water closets)	2.0	7.8	71.1	no cost	0.0
Urinals	0.4	1.5	9.2	no cost	0.0
Water coolers	0.9	2.7	17.8	no cost	0.0
<b>Total</b>	<b>59</b>	<b>169</b>	<b>1,147</b>	<b>33.1</b>	<b>–</b>

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.

\*\*While LEDs are generally more expensive to purchase than incandescent light bulbs, the significantly longer lifetime of LEDs means that over time, consumers actually save money on bulbs in addition to saving money on electricity bills.

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

	Potential cumulative savings through 2035					
	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	603	--	--	96.5	42.2	46.4
Commercial dishwashers	49	1.2	1.6	60.8	3.4	66.2
Commercial steam cookers	66	0.3	1.1	26.3	4.6	24.2
Electric vehicle supply equipment	68	--	--	10.8	4.8	5.1
Faucets	307	3.9	12.9	226.0	21.4	231.0
Gas fireplaces	--	0.3	--	15.8	--	18.5
General service lamps (state-regulated)	346	--	--	55.8	24.0	27.4
High CRI fluorescent lamps	173	--	--	28.2	12.0	16.4
Portable electric spas	410	--	--	65.6	28.6	31.7
Residential ventilating fans	88	--	--	14.1	6.2	6.8
Showerheads	279	3.5	8.0	204.3	19.5	208.6
Spray sprinkler bodies	--	--	20.1	--	--	--
Toilets (water closets)	--	--	3.9	--	--	--
Urinals	--	--	0.7	--	--	--
Water coolers	112	--	--	17.8	7.8	9.6
<b>Total</b>	<b>2,502</b>	<b>9</b>	<b>48</b>	<b>822</b>	<b>175</b>	<b>692</b>

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.