

## Appliance Standards Awareness Project

### 2019 State Appliance Standards Recommendations

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

	Potential annual savings in 2025						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 compressors	0.7	--	--	0.1	0.1	0.1	2.0	--	--	0.4	0.2	0.5
Air purifiers	17.2	--	--	3.0	1.4	3.7	34.3	--	--	7.2	3.3	8.4
Commercial dishwashers	1.8	43	60	2.3	0.2	2.7	5.3	127	177	6.9	0.5	8.1
Commercial fryers	0.3	162	--	7.4	0.02	8.7	0.8	433	--	19.9	0.1	23.2
Commercial steam cookers	1.9	--	--	0.3	0.2	0.4	5.1	--	--	1.1	0.5	1.3
Computers and computer monitors	3.2	17	54	1.3	0.3	1.6	8.5	45	145	3.9	0.8	4.6
Faucets	75.5	--	--	13.1	6.3	16.4	94.9	--	--	19.9	9.1	23.6
High CRI fluorescent lamps	21.3	274	904	16.2	1.8	19.2	47.4	602	1,991	37.4	4.5	43.7
Portable air conditioners	31.0	--	--	5.4	2.6	6.7	9.4	--	--	2.0	0.9	2.3
Portable electric spas	17.5	--	--	3.0	1.5	3.8	52.5	--	--	11.0	5.0	12.9
Residential ventilating fans	4.8	--	--	0.8	0.4	1.0	10.8	--	--	2.3	1.0	2.6
Showerheads	2.1	--	--	0.4	0.2	0.5	4.7	--	--	1.0	0.4	1.2
Spray sprinkler bodies	15.1	190	430	11.3	1.3	13.3	33.5	422	956	26.2	3.2	30.6
Toilets (water closets)	--	--	538	--	--	--	--	--	1,075	--	--	--
Uninterruptible power supplies	--	--	241	--	--	--	--	--	753	--	--	--
Urinals	14.5	--	--	2.5	1.2	3.1	19.6	--	--	4.1	1.9	4.9
Water coolers	--	--	32	--	--	--	--	--	85	--	--	--
<b>Total</b>	<b>3.1</b>	<b>--</b>	<b>--</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>7.0</b>	<b>--</b>	<b>--</b>	<b>1.5</b>	<b>0.7</b>	<b>1.8</b>

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	0.3	1.6	5.8	1.7
Air purifiers	4.1	8.8	51.4	4.7	1.7
Commercial dishwashers	1.5	4.7	28.9	10.8	1.0
Commercial fryers	1.7	4.5	17.5	2.3	3.9
Commercial steam cookers	1.4	4.0	26.0	13.4	0.8
Computers and computer monitors	15.7	21.0	126.5	4.1	1.3
Faucets	19.8	48.5	350.0	no cost	0.0
High CRI fluorescent lamps	5.9	2.1	33.4	5.4	1.4
Portable air conditioners	4.1	13.5	73.5	5.9	1.6
Portable electric spas	1.1	2.8	20.1	no cost	0.0
Residential ventilating fans	0.5	1.2	8.7	no cost	0.0
Showerheads	11.5	28.2	204.1	no cost	0.0
Spray sprinkler bodies	6.2	14.3	91.2	8.2	1.0
Toilets (water closets)	2.8	10.0	89.7	no cost	0.0
Uninterruptible power supplies	2.8	3.9	24.7	4.7	1.2
Urinals	0.4	1.1	7.8	no cost	0.0
Water coolers	0.6	1.3	9.9	no cost	0.0
<b>Total</b>	<b>80</b>	<b>170</b>	<b>1,165</b>	<b>11.1</b>	<b>-</b>

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: **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 compressors	17	--	--	3.3	1.5	3.8
Air purifiers	360	--	--	70.5	31.8	83.6
Commercial dishwashers	45	1.1	1.5	57.2	4.0	66.5
Commercial fryers	7	3.9	--	179.0	0.6	208.7
Commercial steam cookers	77	0.4	1.3	33.7	6.8	38.9
Computers and computer monitors	1,149	--	--	221.8	100.7	259.4
Faucets	474	6.0	20.0	368.3	41.9	431.5
High CRI fluorescent lamps	310	--	--	57.6	26.5	68.0
Portable air conditioners	460	--	--	91.1	41.0	108.0
Portable electric spas	108	--	--	21.1	9.5	25.1
Residential ventilating fans	47	--	--	9.2	4.1	10.9
Showerheads	335	4.2	9.6	257.7	29.6	301.9
Spray sprinkler bodies	--	--	11.3	--	--	--
Toilets (water closets)	--	--	6.0	--	--	--
Uninterruptible power supplies	234	--	--	45.3	20.6	52.4
Urinals	--	--	0.8	--	--	--
Water coolers	70	--	--	13.7	6.2	15.6
<b>Total</b>	<b>3,691</b>	<b>16</b>	<b>50</b>	<b>1,429</b>	<b>325</b>	<b>1,674</b>

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