

Appliance Standards Awareness Project
 2020 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 _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	0.5	--	--	0.1	0.02	0.1	2.0	--	--	0.4	0.1	0.4
Air purifiers	29.2	--	--	6.1	1.2	5.8	75.0	--	--	15.1	3.2	13.8
Commercial dishwashers	1.9	45	62	2.4	0.1	2.8	7.1	169	235	9.1	0.3	10.3
Commercial fryers	0.2	115	--	5.3	0.01	6.2	0.6	395	--	18.1	0.03	21.1
Commercial hot-food holding cabinets	2.4	--	--	0.5	0.1	0.5	8.2	--	--	1.7	0.4	1.5
Commercial ovens	1.1	10	--	0.7	0.04	0.7	3.6	33	--	2.2	0.2	2.4
Commercial steam cookers	2.6	14	43	1.1	0.1	1.3	8.8	47	149	3.9	0.4	4.1
Computers and computer monitors	59.8	--	--	12.4	2.5	12.8	95.4	--	--	19.2	4.1	17.7
Electric vehicle supply equipment	1.2	--	--	0.2	0.05	0.2	14.7	--	--	3.0	0.6	2.7
Faucets	17.1	221	725	13.6	0.7	15.1	48.7	619	2,046	38.0	2.1	41.8
High CRI fluorescent lamps	20.1	--	--	4.2	0.8	4.5	8.4	--	--	1.7	0.4	1.6
Portable air conditioners	17.5	--	--	3.6	0.7	3.5	52.5	--	--	10.6	2.2	9.6
Portable electric spas	20.1	--	--	4.2	0.8	4.0	48.1	--	--	9.7	2.0	8.8
Residential ventilating fans	0.5	--	--	0.1	0.02	0.1	1.5	--	--	0.3	0.1	0.3
Showerheads	13.2	166	377	10.3	0.5	11.5	37.8	475	1,077	29.2	1.6	32.2
Spray sprinkler bodies	--	--	880	--	--	--	--	--	2,514	--	--	--
Toilets (water closets)	--	--	152	--	--	--	--	--	570	--	--	--
Uninterruptible power supplies	11.8	--	--	2.4	0.5	2.6	20.6	--	--	4.1	0.9	3.8
Urinals	--	--	21	--	--	--	--	--	72	--	--	--
Water coolers	2.8	--	--	0.6	0.1	0.6	7.9	--	--	1.6	0.3	1.5
Total	202	570	2,261	68	8	73	441	1,737	6,664	168	19	174

Assuming a compliance date of 2022 for all the recommended standards. Totals may not sum due to rounding.

	Potential annual utility bill savings (million 2018\$)		Net present value savings (million 2018\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air compressors	0.1	0.3	1.5	5.7	1.8
Air purifiers	6.3	17.2	123.1	no cost	0.0
Commercial dishwashers	1.5	6.2	36.7	10.6	1.0
Commercial fryers	1.2	4.0	15.5	2.3	4.2
Commercial hot-food holding cabinets	0.4	1.6	7.1	3.1	3.2
Commercial ovens	0.3	1.0	6.1	10.2	1.0
Commercial steam cookers	1.1	4.1	25.5	13.2	0.8
Computers and computer monitors	11.7	19.7	110.8	3.8	1.4
Electric vehicle supply equipment	0.3	3.4	22.4	no cost	0.0
Faucets	15.5	48.6	336.7	no cost	0.0
High CRI fluorescent lamps	3.6	1.7	24.3	5.9	1.2
Portable air conditioners	3.8	12.0	67.4	5.2	1.7
Portable electric spas	4.4	11.0	73.1	14.3	0.5
Residential ventilating fans	0.1	0.3	2.4	no cost	0.0
Showerheads	9.8	30.7	213.0	no cost	0.0
Spray sprinkler bodies	10.4	34.2	214.4	11.6	0.8
Toilets (water closets)	1.8	7.8	69.6	no cost	0.0
Uninterruptible power supplies	2.2	4.0	23.4	4.4	1.3
Urinals	0.2	1.0	6.5	no cost	0.0
Water coolers	0.5	1.5	10.5	no cost	0.0
Total	75	210	1,390	13.0	-

Assuming a compliance date of 2022 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 2022 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 _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air compressors	15	--	--	3.1	0.6	2.9
Air purifiers	712	--	--	147.2	30.1	133.8
Commercial dishwashers	53	1.2	1.7	67.6	2.2	76.4
Commercial fryers	5	3.2	--	144.9	0.2	168.8
Commercial hot-food holding cabinets	66	--	--	13.6	2.8	12.7
Commercial ovens	29	0.3	--	17.9	1.2	19.5
Commercial steam cookers	70	0.4	1.2	31.4	3.0	33.3
Computers and computer monitors	1,059	--	--	219.2	44.7	204.6
Electric vehicle supply equipment	72	--	--	14.8	3.0	13.5
Faucets	438	5.6	18.5	345.2	18.5	379.5
High CRI fluorescent lamps	225	--	--	46.9	9.5	45.7
Portable air conditioners	460	--	--	94.9	19.4	86.4
Portable electric spas	451	--	--	93.1	19.0	84.8
Residential ventilating fans	14	--	--	2.8	0.6	2.5
Showerheads	340	4.3	9.7	264.9	14.4	291.0
Spray sprinkler bodies	--	--	22.6	--	--	--
Toilets (water closets)	--	--	4.2	--	--	--
Uninterruptible power supplies	225	--	--	46.6	9.5	44.0
Urinals	--	--	0.6	--	--	--
Water coolers	72	--	--	14.8	3.0	13.8
Total	4,305	15	59	1,569	182	1,613

Assuming a compliance date of 2022 for all the recommended standards. Totals may not sum due to rounding.