

Appliance Standards Awareness Project

2023 State Appliance Standards Recommendations

Savings estimates for: **Connecticut**

	Potential annual savings in 2030						Potential annual savings in 2040					
	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	47.2	--	--	7.6	0.8	5.4	77.3	--	--	10.1	1.1	7.1
Commercial dishwashers	2.2	55	77	2.9	0.04	3.3	5.4	132	184	6.7	0.1	7.5
Commercial fryers	0.9	285	--	13.0	0.01	15.3	1.9	621	--	28.4	0.03	33.2
Commercial ovens	2.3	37	--	2.0	0.04	2.3	5.0	80	--	4.3	0.1	4.7
Commercial steam cookers	1.5	12	32	0.8	0.03	0.8	3.2	25	71	1.6	0.04	1.6
Electric vehicle supply equipment	4.5	--	--	0.7	0.1	0.5	29.8	--	--	3.9	0.4	2.7
Faucets	28.6	233	936	15.2	0.5	15.6	52.1	422	1,700	25.9	0.7	27.2
Gas fireplaces	--	23	--	1.0	--	1.2	--	63	--	2.8	--	3.3
High CRI fluorescent lamps	19.5	--	--	3.2	0.3	3.0	5.0	--	--	0.6	0.1	0.4
Portable electric spas	30.1	--	--	4.9	0.5	3.4	50.6	--	--	6.6	0.7	4.6
Residential ventilating fans	3.9	--	--	0.6	0.1	0.4	10.6	--	--	1.4	0.1	1.0
Showerheads	24.8	200	552	13.1	0.4	13.5	45.0	364	1,003	22.4	0.6	23.4
Spray sprinkler bodies	--	--	1,374	--	--	--	--	--	2,498	--	--	--
Toilets (water closets)	--	--	207	--	--	--	--	--	550	--	--	--
Urinals	--	--	39	--	--	--	--	--	86	--	--	--
Water coolers	6.6	--	--	1.1	0.1	1.0	12.0	--	--	1.6	0.2	1.0
Total	172	844	3,217	66	3	66	298	1,708	6,091	116	4	118

Assuming a compliance date of 2025 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: Connecticut

	Potential annual utility bill savings (million 2021\$)		Net present value savings (million 2021\$)	Benefit-cost ratio	Payback period (years)
	In 2030	In 2040			
Air purifiers	11.5	19.9	141.3	11.8	0.6
Commercial dishwashers	2.3	6.1	39.7	12.6	0.9
Commercial fryers	3.2	7.0	38.7	3.9	2.4
Commercial ovens	0.8	1.7	6.1	1.9	4.8
Commercial steam cookers	0.9	2.2	15.1	14.4	0.7
Electric vehicle supply equipment	1.1	7.7	47.1	no cost	0.0
Faucets	27.1	54.5	407.6	no cost	0.0
Gas fireplaces	0.4	1.0	6.3	14.9	0.7
High CRI fluorescent lamps	3.4	1.0	18.4	5.2	1.2
Portable electric spas	7.4	13.0	93.9	14.9	0.5
Residential ventilating fans	0.9	2.7	18.7	no cost	0.0
Showerheads	18.9	37.6	282.2	no cost	0.0
Spray sprinkler bodies	24.2	50.8	350.1	15.1	0.6
Toilets (water closets)	3.7	11.2	96.0	no cost	0.0
Urinals	0.7	1.7	12.4	no cost	0.0
Water coolers	1.1	2.0	15.8	no cost	0.0
Total	108	220	1,590	22.5	-

Assuming a compliance date of 2025 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 2025 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: [Connecticut](#)

	Potential cumulative savings through 2040					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	889	--	--	123.2	13.1	85.8
Commercial dishwashers	51	1.2	1.7	63.3	0.7	71.6
Commercial fryers	19	6.2	--	284.1	0.3	332.0
Commercial ovens	50	0.8	--	43.2	0.7	48.1
Commercial steam cookers	32	0.3	0.7	15.8	0.5	16.9
Electric vehicle supply equipment	169	--	--	22.7	2.4	15.5
Faucets	573	4.6	18.7	289.9	8.4	302.0
Gas fireplaces	--	0.5	--	24.2	--	28.4
High CRI fluorescent lamps	194	--	--	28.6	3.0	26.2
Portable electric spas	575	--	--	79.9	8.5	55.8
Residential ventilating fans	90	--	--	12.4	1.3	8.6
Showerheads	495	4.0	11.0	249.9	7.3	260.2
Spray sprinkler bodies	--	--	27.5	--	--	--
Toilets (water closets)	--	--	4.7	--	--	--
Urinals	--	--	0.9	--	--	--
Water coolers	132	--	--	18.2	1.9	14.7
Total	3,267	18	65	1,255	48	1,266

Assuming a compliance date of 2025 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.