

Appliance Standards Awareness Project

2024 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)
Commercial dishwashers	3.1	75	105	3.7	0.02	4.2	8.9	220	306	10.9	0.1	12.4
Commercial fryers	0.8	281	--	12.8	0.01	15.0	2.2	751	--	34.3	0.02	40.1
Commercial ovens	2.2	36	--	1.9	0.02	2.1	5.9	95	--	4.9	0.1	5.5
Commercial steam cookers	1.4	11	31	0.7	0.01	0.7	3.7	30	83	1.8	0.03	1.9
Faucets	11.6	95	381	5.6	0.1	5.9	25.8	209	843	12.3	0.2	13.3
Gas fireplaces	--	29	--	1.3	--	1.6	--	95	--	4.3	--	5.0
High CRI fluorescent lamps	13.5	--	--	1.4	0.1	1.0	5.3	--	--	0.6	0.04	0.4
Portable electric spas	9.0	--	--	1.0	0.1	0.7	17.6	--	--	1.9	0.2	1.5
Residential ventilating fans	1.2	--	--	0.1	0.01	0.1	3.8	--	--	0.4	0.03	0.3
Showerheads	14.7	119	327	7.0	0.1	7.4	32.7	264	728	15.5	0.3	16.7
Toilets (water closets)	--	--	139	--	--	--	--	--	422	--	--	--
Urinals	--	--	31	--	--	--	--	--	83	--	--	--
Water coolers	8.3	--	--	0.9	0.1	0.6	18.4	--	--	2.0	0.2	1.5
Total	66	646	1,014	36	0.5	39	124	1,663	2,464	89	1	99

Assuming a compliance date of 2026 for all the recommended standards. 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 2022\$)		Net present value savings (million 2022\$)	Payback period (years)
	In 2030	In 2040		
Commercial dishwashers	3.1	10.0	86.4	0.9
Commercial fryers	3.3	9.1	65.0	2.4
Commercial ovens	0.8	2.2	10.1	4.8
Commercial steam cookers	0.9	2.6	23.4	0.8
Faucets	10.5	26.1	262.4	0.0
Gas fireplaces	0.5	1.5	13.2	0.7
High CRI fluorescent lamps	2.5	1.2	15.3	1.2
Portable electric spas	2.2	4.8	44.6	0.5
Residential ventilating fans	0.3	1.0	9.5	0.0
Showerheads	10.8	26.7	267.7	0.0
Toilets (water closets)	2.2	7.9	98.3	0.0
Urinals	0.5	1.6	15.2	0.0
Water coolers	1.5	3.5	34.2	0.0
Total	39	98	945	–

Assuming a compliance date of 2026 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 2026 and 2050. 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 2050							
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)	Utility bill savings (million 2022\$)
Commercial dishwashers	165	4.0	5.6	200.7	1.3	227.9	183.7
Commercial fryers	43	14.3	--	650.9	0.3	760.9	171.9
Commercial ovens	113	1.8	--	93.6	0.9	104.7	41.6
Commercial steam cookers	71	0.6	1.6	33.2	0.6	35.7	49.6
Faucets	516	4.2	16.9	244.3	4.2	263.1	520.5
Gas fireplaces	--	1.7	--	77.7	--	91.1	27.4
High CRI fluorescent lamps	165	--	--	17.8	1.3	13.6	32.5
Portable electric spas	359	--	--	37.9	2.9	28.2	95.3
Residential ventilating fans	69	--	--	7.2	0.6	5.4	18.4
Showerheads	654	5.3	14.6	307.8	5.3	331.4	531.1
Toilets (water closets)	--	--	8.8	--	--	--	168.1
Urinals	--	--	1.6	--	--	--	29.7
Water coolers	368	--	--	38.7	3.0	28.9	68.0
Total	2,522	32	49	1,710	21	1,891	1,938

Assuming a compliance date of 2026 for all the recommended standards. 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.