

Appliance Standards Awareness Project

2022 State Appliance Standards Recommendations

Savings estimates for: [New York](#)

	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	282.1	--	--	37.7	4.4	102.6	390.6	--	--	18.0	2.6	44.5
Commercial dishwashers	12.0	294	410	14.9	0.2	19.8	24.3	597	831	28.2	0.2	35.2
Commercial fryers	4.6	1,409	--	64.5	0.1	76.4	8.4	2,601	--	118.3	0.1	139.4
Commercial ovens	11.3	181	--	9.7	0.2	13.5	20.8	334	--	16.1	0.1	20.8
Commercial steam cookers	6.1	49	137	3.0	0.1	4.7	11.3	90	252	4.6	0.1	6.5
Electric vehicle supply equipment	28.7	--	--	3.8	0.4	10.4	177.8	--	--	8.2	1.2	20.3
Gas fireplaces	--	135	--	6.1	--	7.2	--	311	--	14.1	--	16.5
General service lamps (state-regulated)	158.0	--	--	21.1	2.5	57.4	231.1	--	--	10.7	1.5	26.3
High CRI fluorescent lamps	171.9	--	--	23.0	2.7	59.8	40.0	--	--	1.8	0.3	5.5
Portable electric spas	71.6	--	--	9.6	1.1	26.0	104.4	--	--	4.8	0.7	11.9
Residential ventilating fans	40.1	--	--	5.3	0.6	14.6	92.5	--	--	4.3	0.6	10.5
Spray sprinkler bodies	--	--	11,045	--	--	--	--	--	16,993	--	--	--
Water coolers	49.5	--	--	6.6	0.8	17.2	76.1	--	--	3.5	0.5	11.1
Total	836	2,068	11,592	205	13	410	1,177	3,933	18,076	233	8	349

Assuming a compliance date of 2024 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: [New York](#)

	Potential annual utility bill savings (million 2020\$)		Net present value savings (million 2020\$)	Benefit-cost ratio	Payback period (years)
	In 2030	In 2040			
Air purifiers	54.1	75.2	613.7	no cost	0.0
Commercial dishwashers	9.3	20.1	133.3	9.7	1.1
Commercial fryers	9.3	16.6	74.8	2.3	3.9
Commercial ovens	3.1	5.6	16.1	1.6	5.9
Commercial steam cookers	3.2	6.3	43.4	11.8	0.9
Electric vehicle supply equipment	5.5	34.3	214.3	no cost	0.0
Gas fireplaces	1.5	3.4	22.3	10.9	1.0
General service lamps (state-regulated)	30.3	44.5	439.5	no cost**	0.3
High CRI fluorescent lamps	31.1	7.2	153.4	5.3	1.2
Portable electric spas	13.7	20.1	150.3	12.5	0.6
Residential ventilating fans	7.7	17.8	128.6	no cost	0.0
Spray sprinkler bodies	144.7	254.1	1775.1	11.8	0.8
Water coolers	8.9	13.3	108.2	no cost	0.0
Total	322	519	3,873	13.7	-

Assuming a compliance date of 2024 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 2024 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.

**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: [New York](#)

	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	4,882	--	--	457.4	50.7	1,194.9
Commercial dishwashers	253	6.2	8.7	304.2	2.5	403.9
Commercial fryers	93	28.6	--	1,305.0	0.9	1,547.0
Commercial ovens	229	3.7	--	187.1	2.3	262.4
Commercial steam cookers	125	1.0	2.8	56.4	1.3	89.6
Electric vehicle supply equipment	1,035	--	--	80.9	9.1	203.0
Gas fireplaces	--	3.0	--	134.1	--	157.1
General service lamps (state-regulated)	2,738	--	--	259.3	29.0	682.7
High CRI fluorescent lamps	1,684	--	--	185.0	20.7	546.3
Portable electric spas	1,290	--	--	120.6	13.4	315.1
Residential ventilating fans	878	--	--	77.3	8.6	199.1
Spray sprinkler bodies	--	--	203.9	--	--	--
Water coolers	914	--	--	84.6	9.4	273.6
Total	14,122	42	215	3,252	148	5,875

Assuming a compliance date of 2024 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.