

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Illinois

	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	8.5	--	--	2.1	7.5	5.4	24.6	--	--	6.8	28.1	16.1
Air purifiers	60.8	--	--	15.1	53.5	39.5	121.7	--	--	33.7	139.1	79.2
Commercial dishwashers	6.5	154	214	8.6	5.7	12.3	19.0	452	630	25.9	21.8	36.5
Commercial fryers	1.1	580	--	26.7	0.9	31.5	2.8	1,546	--	71.2	3.2	83.9
Commercial hot-food holding cabinets	6.8	--	--	1.7	6.0	4.4	18.2	--	--	5.0	20.8	11.9
Commercial steam cookers	11.4	61	194	5.6	10.0	10.5	30.4	162	517	15.8	34.8	28.5
Computers and computer monitors	276.5	--	--	68.7	243.2	178.3	347.5	--	--	96.2	397.3	227.2
Faucets	37.6	1,194	3,265	63.7	33.1	87.9	83.6	2,627	7,194	142.8	95.6	194.0
High CRI fluorescent lamps	127.7	--	--	31.7	112.3	82.0	36.9	--	--	10.2	42.1	24.1
Portable air conditioners	32.4	--	--	8.1	28.5	21.1	97.3	--	--	26.9	111.2	63.3
Portable electric spas	9.7	--	--	2.4	8.5	6.3	21.5	--	--	6.0	24.6	14.0
Residential ventilating fans	7.5	--	--	1.9	6.6	4.9	16.6	--	--	4.6	19.0	10.8
Showerheads	26.6	829	1,554	44.4	23.4	61.3	59.1	1,842	3,454	100.2	67.5	136.3
Spray sprinkler bodies	--	--	2,490	--	--	--	--	--	4,980	--	--	--
Toilets (water closets)	--	--	869	--	--	--	--	--	2,717	--	--	--
Uninterruptible power supplies	54.0	--	--	13.4	47.5	34.7	73.2	--	--	20.3	83.6	47.9
Urinals	--	--	114	--	--	--	--	--	305	--	--	--
Water coolers	12.7	--	--	3.2	11.2	8.1	28.2	--	--	7.8	32.3	18.5
Total	680	2,817	8,700	297	598	588	980	6,629	19,796	573	1,121	993

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	0.6	1.5	6.7	2.7	3.4
Air purifiers	8.8	17.4	84.5	2.7	2.7
Commercial dishwashers	4.3	13.7	83.5	8.9	1.2
Commercial fryers	5.2	14.2	48.8	2.0	4.7
Commercial hot-food holding cabinets	0.6	1.6	7.8	2.9	3.0
Commercial steam cookers	3.7	10.7	67.8	10.1	1.0
Computers and computer monitors	32.3	39.5	178.5	2.2	2.2
Faucets	53.2	130.1	939.2	no cost	0.0
High CRI fluorescent lamps	12.6	4.1	55.7	2.8	2.5
Portable air conditioners	4.7	13.9	65.9	3.4	2.4
Portable electric spas	1.4	3.1	23.1	no cost	0.0
Residential ventilating fans	1.1	2.4	17.8	no cost	0.0
Showerheads	29.2	71.3	515.6	no cost	0.0
Spray sprinkler bodies	27.3	62.9	397.1	7.8	1.1
Toilets (water closets)	9.5	34.3	306.8	no cost	0.0
Uninterruptible power supplies	5.4	7.1	33.8	2.4	2.2
Urinals	1.3	3.8	26.5	no cost	0.0
Water coolers	1.2	2.6	19.4	no cost	0.0
Total	202	434	2,878	8.0	-

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: Illinois

	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	209	--	--	57.2	229.3	136.9
Air purifiers	1,278	--	--	349.2	1,393.0	837.7
Commercial dishwashers	160	3.8	5.3	216.4	175.4	306.1
Commercial fryers	25	13.9	--	640.5	27.7	755.5
Commercial hot-food holding cabinets	163	--	--	44.8	179.3	107.2
Commercial steam cookers	274	1.5	4.7	141.3	300.5	257.0
Computers and computer monitors	4,206	--	--	1,142.3	4,517.2	2,756.4
Faucets	836	26.3	72.1	1,428.7	914.0	1,947.7
High CRI fluorescent lamps	1,265	--	--	336.3	1,289.7	827.2
Portable air conditioners	852	--	--	234.4	943.1	558.9
Portable electric spas	215	--	--	58.9	235.5	141.2
Residential ventilating fans	166	--	--	45.4	181.6	108.9
Showerheads	591	18.4	34.5	1,000.5	646.0	1,365.8
Spray sprinkler bodies	--	--	52.3	--	--	--
Toilets (water closets)	--	--	21.6	--	--	--
Uninterruptible power supplies	874	--	--	237.8	942.0	573.0
Urinals	--	--	2.7	--	--	--
Water coolers	282	--	--	77.2	308.7	185.2
Total	11,397	64	193	6,011	12,283	10,865

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