

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Wisconsin

	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	4.8	--	--	1.8	10.8	4.1	13.8	--	--	5.3	28.9	11.3
Air purifiers	29.3	--	--	11.0	66.1	24.9	58.5	--	--	22.6	123.0	47.5
Commercial dishwashers	2.9	70	97	4.3	6.6	6.2	8.6	205	285	12.7	18.1	18.0
Commercial fryers	0.5	262	--	12.1	1.1	14.3	1.3	700	--	32.4	2.7	38.2
Commercial hot-food holding cabinets	3.1	--	--	1.2	7.0	2.7	8.2	--	--	3.2	17.3	6.8
Commercial steam cookers	5.2	27	88	3.2	11.7	5.9	13.8	73	234	8.6	28.9	15.2
Computers and computer monitors	131.8	--	--	49.3	297.6	112.8	165.6	--	--	63.9	347.9	135.4
Faucets	38.2	425	1,463	33.7	86.4	55.1	85.0	933	3,222	75.3	178.6	118.4
High CRI fluorescent lamps	60.5	--	--	22.7	136.6	52.0	17.5	--	--	6.8	36.9	14.4
Portable air conditioners	11.0	--	--	4.1	24.8	9.3	32.9	--	--	12.7	69.2	26.7
Portable electric spas	5.0	--	--	1.9	11.4	4.3	11.2	--	--	4.3	23.5	9.1
Residential ventilating fans	3.6	--	--	1.3	8.1	3.1	8.0	--	--	3.1	16.8	6.5
Showerheads	27.0	294	696	23.5	61.1	38.6	60.1	652	1,547	52.9	126.2	83.4
Spray sprinkler bodies	--	--	--	--	--	--	--	--	--	--	--	--
Toilets (water closets)	--	--	390	--	--	--	--	--	1,219	--	--	--
Uninterruptible power supplies	25.6	--	--	9.6	57.8	22.0	34.7	--	--	13.4	72.8	28.5
Urinals	--	--	52	--	--	--	--	--	138	--	--	--
Water coolers	6.0	--	--	2.2	13.6	5.2	13.3	--	--	5.1	28.1	11.0
Total	354	1,078	2,785	182	800	360	533	2,563	6,645	322	1,119	570

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	0.4	1.2	6.0	3.6	2.5
Air purifiers	5.0	9.8	51.4	3.2	2.2
Commercial dishwashers	2.0	6.3	38.5	9.1	1.2
Commercial fryers	2.2	6.0	19.3	1.9	5.0
Commercial hot-food holding cabinets	0.4	1.0	5.1	3.7	2.3
Commercial steam cookers	1.8	5.2	33.0	10.7	0.9
Computers and computer monitors	19.1	23.0	121.0	2.7	1.7
Faucets	26.6	64.1	464.5	no cost	0.0
High CRI fluorescent lamps	7.7	2.4	37.8	3.6	1.9
Portable air conditioners	1.9	5.5	27.5	3.9	2.0
Portable electric spas	0.9	1.9	14.0	no cost	0.0
Residential ventilating fans	0.6	1.3	10.0	no cost	0.0
Showerheads	15.1	36.0	261.9	no cost	0.0
Spray sprinkler bodies	--	--	--	--	--
Toilets (water closets)	4.3	15.4	137.6	no cost	0.0
Uninterruptible power supplies	3.3	4.3	23.7	3.0	1.7
Urinals	0.6	1.7	12.0	no cost	0.0
Water coolers	0.7	1.6	11.9	no cost	0.0
Total	93	187	1,275	8.8	--

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: Wisconsin

	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	117	--	--	45.3	256.5	98.8
Air purifiers	615	--	--	237.5	1,353.4	512.9
Commercial dishwashers	72	1.7	2.4	106.1	158.4	152.2
Commercial fryers	11	6.3	--	291.2	25.1	344.2
Commercial hot-food holding cabinets	74	--	--	28.6	162.3	62.5
Commercial steam cookers	124	0.7	2.1	78.0	272.0	139.7
Computers and computer monitors	2,004	--	--	773.1	4,432.6	1,689.8
Faucets	850	9.4	32.3	755.0	1,869.1	1,205.8
High CRI fluorescent lamps	600	--	--	230.2	1,344.6	511.1
Portable air conditioners	289	--	--	111.8	632.5	240.1
Portable electric spas	112	--	--	43.3	246.4	93.4
Residential ventilating fans	80	--	--	30.9	175.7	66.6
Showerheads	601	6.5	15.5	529.4	1,321.1	847.3
Spray sprinkler bodies	--	--	--	--	--	--
Toilets (water closets)	--	--	9.7	--	--	--
Uninterruptible power supplies	414	--	--	159.9	916.1	350.8
Urinals	--	--	1.2	--	--	--
Water coolers	133	--	--	51.6	293.6	112.9
Total	6,096	25	63	3,472	13,459	6,428

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