

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: **Indiana**

	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	--	--	2.0	6.5	5.2	24.6	--	--	6.8	23.1	15.4
Air purifiers	31.8	--	--	7.6	24.5	19.6	63.7	--	--	17.6	59.8	39.8
Commercial dishwashers	3.4	80	111	4.4	2.6	6.3	9.9	236	328	13.5	9.3	18.7
Commercial fryers	0.5	302	--	13.9	0.4	16.4	1.5	805	--	37.1	1.4	43.7
Commercial hot-food holding cabinets	3.5	--	--	0.8	2.7	2.2	9.5	--	--	2.6	8.9	5.9
Commercial steam cookers	5.9	32	101	2.8	4.6	5.3	15.8	84	269	8.2	14.9	14.4
Computers and computer monitors	136.9	--	--	32.5	105.3	84.0	172.0	--	--	47.5	161.5	107.6
Faucets	52.4	441	1,670	32.5	40.3	55.6	116.3	966	3,680	76.1	109.2	124.0
High CRI fluorescent lamps	60.9	--	--	14.5	46.8	37.3	18.1	--	--	5.0	17.0	11.3
Portable air conditioners	15.1	--	--	3.6	11.6	9.3	45.2	--	--	12.5	42.5	28.3
Portable electric spas	5.7	--	--	1.4	4.4	3.5	12.7	--	--	3.5	12.0	8.0
Residential ventilating fans	3.9	--	--	0.9	3.0	2.4	8.7	--	--	2.4	8.2	5.4
Showerheads	37.0	304	795	22.6	28.5	38.9	82.2	675	1,766	53.5	77.2	87.2
Spray sprinkler bodies	--	--	1,058	--	--	--	--	--	2,116	--	--	--
Toilets (water closets)	--	--	446	--	--	--	--	--	1,393	--	--	--
Uninterruptible power supplies	25.9	--	--	6.1	19.9	15.8	35.0	--	--	9.7	32.9	21.9
Urinals	--	--	60	--	--	--	--	--	159	--	--	--
Water coolers	6.0	--	--	1.4	4.6	3.7	13.4	--	--	3.7	12.5	8.4
Total	398	1,158	4,240	147	306	306	629	2,765	9,711	300	590	540

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	0.7	1.8	8.8	3.2	2.9
Air purifiers	4.6	9.1	43.9	2.7	2.7
Commercial dishwashers	2.3	7.4	45.5	9.3	1.2
Commercial fryers	2.8	7.7	27.7	2.1	4.5
Commercial hot-food holding cabinets	0.4	1.0	5.4	3.5	2.5
Commercial steam cookers	2.1	5.9	37.8	10.7	0.9
Computers and computer monitors	17.5	21.5	104.4	2.4	2.0
Faucets	30.3	73.2	530.5	no cost	0.0
High CRI fluorescent lamps	7.1	2.2	33.5	3.3	2.2
Portable air conditioners	2.2	6.5	30.4	3.4	2.5
Portable electric spas	0.8	1.8	13.6	no cost	0.0
Residential ventilating fans	0.6	1.2	9.3	no cost	0.0
Showerheads	17.1	41.2	299.1	no cost	0.0
Spray sprinkler bodies	11.6	26.7	168.7	7.8	1.1
Toilets (water closets)	4.9	17.6	157.2	no cost	0.0
Uninterruptible power supplies	3.0	4.0	21.2	2.8	1.9
Urinals	0.7	2.0	13.8	no cost	0.0
Water coolers	0.7	1.5	11.1	no cost	0.0
Total	109	232	1,562	8.6	-

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: **Indiana**

	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	--	--	56.3	191.1	130.2
Air purifiers	669	--	--	179.3	608.2	417.0
Commercial dishwashers	83	2.0	2.7	112.3	76.0	156.6
Commercial fryers	13	7.2	--	333.5	12.0	393.0
Commercial hot-food holding cabinets	85	--	--	22.9	77.7	53.0
Commercial steam cookers	143	0.8	2.4	72.9	130.3	129.0
Computers and computer monitors	2,082	--	--	553.7	1,872.6	1,296.0
Faucets	1,163	9.7	36.9	754.1	1,060.2	1,240.7
High CRI fluorescent lamps	607	--	--	156.9	525.4	376.5
Portable air conditioners	396	--	--	107.2	364.3	247.3
Portable electric spas	127	--	--	34.2	116.1	79.5
Residential ventilating fans	87	--	--	23.4	79.2	54.2
Showerheads	822	6.7	17.7	528.2	749.4	871.3
Spray sprinkler bodies	--	--	22.2	--	--	--
Toilets (water closets)	--	--	11.1	--	--	--
Uninterruptible power supplies	419	--	--	111.5	377.4	260.4
Urinals	--	--	1.4	--	--	--
Water coolers	134	--	--	35.9	121.7	83.1
Total	7,039	26	94	3,082	6,362	5,788

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