

States Go First: How States Can Save Consumers Money, Reduce Energy and Water Waste, and Protect the Environment with New Appliance Standards (Full report at <https://appliance-standards.org/document/states-go-first>)

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)
Faucets	78.9	675	2,542	47.3	60.3	82.4	143.4	1,204	4,568	78.2	77.7	133.6
Showerheads	56.3	462	1,209	32.9	43.0	57.7	102.3	839	2,197	54.9	55.4	94.2
Lawn spray sprinklers	--	--	1,286	--	--	--	--	--	2,105	--	--	--
Toilets	--	--	625	--	--	--	--	--	1,695	--	--	--
Computers and monitors	168.0	--	--	35.3	128.5	103.5	188.1	--	--	30.6	101.9	92.5
High CRI fluorescent lamps	245.6	--	--	51.7	187.8	156.3	81.7	--	--	13.3	44.3	40.5
Air purifiers	46.1	--	--	9.7	35.2	27.2	75.4	--	--	12.3	40.9	36.6
Pool pump replacement motors	45.6	--	--	9.6	34.9	26.9	0.0	--	--	0.0	0.0	0.0
Commercial fryers	0.9	426	--	19.6	0.7	23.2	2.1	930	--	42.7	1.1	50.4
Commercial dishwashers	3.9	94	130	5.1	3.0	7.5	9.5	225	314	11.8	5.1	16.7
Commercial steam cookers	7.2	38	122	3.2	5.5	6.6	15.6	83	265	6.3	8.5	12.2
Portable air conditioners	23.2	--	--	4.9	17.7	13.7	44.3	--	--	7.2	24.0	21.5
Urinals	--	--	198	--	--	--	--	--	432	--	--	--
Audio/video equipment	27.1	--	--	5.7	20.7	16.0	27.1	--	--	4.4	14.7	13.1
Uninterruptible power supplies	30.5	--	--	6.4	23.3	19.3	33.8	--	--	5.5	18.3	16.8
Telephones	14.4	--	--	3.0	11.0	9.0	14.4	--	--	2.4	7.8	7.1
Water coolers	8.6	--	--	1.8	6.6	5.5	15.7	--	--	2.6	8.5	7.8
Ventilation fans	6.8	--	--	1.4	5.2	4.0	15.0	--	--	2.4	8.1	7.3
Portable electric spas	6.9	--	--	1.4	5.3	4.1	12.5	--	--	2.0	6.8	6.1
Hot food holding cabinets	4.8	--	--	1.0	3.6	3.0	10.4	--	--	1.7	5.6	5.2
Compressors	11.2	--	--	2.4	8.6	7.1	26.5	--	--	4.3	14.3	13.2
Total	786	1,694	6,111	242	601	573	818	3,282	11,577	283	443	575

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Totals may not sum due to rounding. Potential savings for pool pump replacement motors are zero in 2035 because we assume that the recommended standard would affect just seven years of product sales beginning in 2021.

	Potential annual utility bill savings (million 2016\$)		Net present value savings (million 2016\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Faucets	44.8	90.1	673.4	no cost	0.0
Showerheads	25.3	50.9	380.9	no cost	0.0
Lawn spray sprinklers	13.9	26.1	170.7	7.8	1.1
Toilets	6.7	21.0	184.5	no cost	0.0
Computers and monitors	20.7	23.7	115.0	2.4	2.2
High CRI fluorescent lamps	27.9	9.7	89.3	1.9	2.7
Air purifiers	6.2	10.5	51.9	2.7	3.0
Pool pump replacement motors	6.2	0.0	34.1	7.9	0.8
Commercial fryers	4.1	9.8	41.8	2.4	4.2
Commercial dishwashers	2.7	7.3	46.0	9.6	1.2
Commercial steam cookers	2.5	5.9	39.0	10.9	1.0
Portable air conditioners	3.1	6.2	32.9	3.3	2.8
Urinals	2.1	5.4	38.3	no cost	0.0
Audio/video equipment	3.7	3.8	32.2	no cost	0.0
Uninterruptible power supplies	3.5	4.0	21.7	2.8	2.0
Telephones	1.7	1.8	15.2	no cost	0.0
Water coolers	1.0	1.8	13.9	no cost	0.0
Ventilation fans	0.9	2.1	15.4	no cost	0.0
Portable electric spas	0.9	1.8	13.5	no cost	0.0
Hot food holding cabinets	0.5	1.2	6.4	3.6	2.7
Compressors	0.9	2.1	10.7	3.4	3.0
Total	179	285	2,027	7.3	-

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between 2020 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 21 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)
Faucets	1,578	13.3	50.5	904.1	982.8	1,545.3
Showerheads	1,126	9.2	24.2	631.9	701.2	1,087.2
Lawn spray sprinklers	--	--	24.2	--	--	--
Toilets	--	--	14.4	--	--	--
Computers and monitors	2,434	--	--	467.8	1,560.0	1,358.6
High CRI fluorescent lamps	2,560	--	--	531.5	1,769.8	1,537.3
Air purifiers	867	--	--	163.8	543.7	461.6
Pool pump replacement motors	461	--	--	92.8	313.5	257.4
Commercial fryers	21	9.3	--	427.4	12.7	505.6
Commercial dishwashers	89	2.1	2.9	112.7	54.7	161.8
Commercial steam cookers	156	0.8	2.7	66.9	96.4	131.6
Portable air conditioners	477	--	--	89.4	296.2	252.4
Urinals	--	--	4.3	--	--	--
Audio/video equipment	360	--	--	69.7	232.4	195.2
Uninterruptible power supplies	438	--	--	84.1	280.5	249.4
Telephones	193	--	--	37.3	124.5	109.1
Water coolers	173	--	--	32.4	107.6	97.4
Ventilation fans	149	--	--	27.8	92.0	78.6
Portable electric spas	138	--	--	25.9	85.8	73.1
Hot food holding cabinets	104	--	--	19.4	64.1	58.2
Compressors	251	--	--	46.7	154.5	140.3
Total	11,575	35	123	3,832	7,472	8,300

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Totals may not sum due to rounding.