

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: Louisiana

	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	78.5	357	1,790	42.3	12.8	55.6	142.7	634	3,217	55.9	11.4	87.1
Showerheads	56.0	241	851	29.5	9.1	38.9	101.8	438	1,547	39.2	8.2	61.4
Lawn spray sprinklers	--	--	2,273	--	--	--	--	--	3,719	--	--	--
Toilets	--	--	440	--	--	--	--	--	1,194	--	--	--
Computers and monitors	125.9	--	--	41.7	20.5	59.1	141.0	--	--	26.7	11.3	53.4
High CRI fluorescent lamps	224.0	--	--	74.1	36.5	105.7	72.0	--	--	13.6	5.8	27.5
Air purifiers	31.8	--	--	10.5	5.2	14.9	52.1	--	--	9.9	4.2	19.5
Pool pump replacement motors	34.6	--	--	11.5	5.6	16.2	0.0	--	--	0.0	0.0	0.0
Commercial fryers	0.7	301	--	13.9	0.1	16.3	1.5	656	--	30.2	0.1	35.4
Commercial dishwashers	2.8	66	92	3.9	0.5	4.8	6.7	159	221	8.5	0.5	11.0
Commercial steam cookers	5.1	27	86	2.9	0.8	3.8	11.0	59	187	4.8	0.9	7.3
Portable air conditioners	14.8	--	--	4.9	2.4	6.9	28.2	--	--	5.3	2.3	10.6
Urinals	--	--	140	--	--	--	--	--	305	--	--	--
Audio/video equipment	18.7	--	--	6.2	3.0	8.7	18.7	--	--	3.5	1.5	7.0
Uninterruptible power supplies	23.9	--	--	7.9	3.9	11.3	26.5	--	--	5.0	2.1	10.1
Telephones	13.4	--	--	4.4	2.2	6.3	13.4	--	--	2.5	1.1	5.1
Water coolers	9.0	--	--	3.0	1.5	4.2	16.3	--	--	3.1	1.3	6.2
Ventilation fans	4.7	--	--	1.6	0.8	2.2	10.3	--	--	2.0	0.8	3.9
Portable electric spas	2.6	--	--	0.9	0.4	1.2	4.8	--	--	0.9	0.4	1.8
Hot food holding cabinets	3.4	--	--	1.1	0.5	1.6	7.3	--	--	1.4	0.6	2.8
Compressors	8.2	--	--	2.7	1.3	3.9	19.5	--	--	3.7	1.6	7.4
Total	658	992	5,671	263	107	362	674	1,946	10,390	216	54	358

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	32.9	66.4	496.3	no cost	0.0
Showerheads	18.5	37.3	279.5	no cost	0.0
Lawn spray sprinklers	26.0	49.1	323.4	8.3	1.0
Toilets	5.0	15.8	138.1	no cost	0.0
Computers and monitors	12.8	15.1	62.6	2.0	2.6
High CRI fluorescent lamps	22.2	7.6	61.7	1.7	2.9
Air purifiers	3.4	5.8	23.9	2.1	3.7
Pool pump replacement motors	3.7	0.0	19.5	6.2	1.0
Commercial fryers	3.3	7.8	36.0	2.7	3.6
Commercial dishwashers	2.0	5.5	34.7	10.2	1.1
Commercial steam cookers	1.8	4.3	28.3	11.2	0.9
Portable air conditioners	1.6	3.1	14.8	2.6	3.4
Urinals	1.6	4.0	28.7	no cost	0.0
Audio/video equipment	2.0	2.1	17.6	no cost	0.0
Uninterruptible power supplies	2.4	2.8	14.0	2.5	2.2
Telephones	1.3	1.4	12.0	no cost	0.0
Water coolers	0.9	1.7	13.1	no cost	0.0
Ventilation fans	0.5	1.2	8.5	no cost	0.0
Portable electric spas	0.3	0.5	4.1	no cost	0.0
Hot food holding cabinets	0.3	0.8	3.9	3.3	3.0
Compressors	0.5	1.4	6.6	3.0	3.6
Total	143	234	1,627	6.9	-

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: Louisiana

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Faucets	1,570	7.0	35.5	696.4	172.8	1,008.8
Showerheads	1,120	4.8	17.0	487.6	123.3	708.9
Lawn spray sprinklers	--	--	42.8	--	--	--
Toilets	--	--	10.1	--	--	--
Computers and monitors	1,823	--	--	455.0	211.1	771.6
High CRI fluorescent lamps	2,317	--	--	651.0	306.2	1,034.5
Air purifiers	599	--	--	144.6	66.6	243.1
Pool pump replacement motors	350	--	--	93.3	44.2	148.4
Commercial fryers	15	6.6	--	302.4	1.6	354.8
Commercial dishwashers	63	1.5	2.1	82.7	6.8	105.7
Commercial steam cookers	110	0.6	1.9	52.8	12.0	77.8
Portable air conditioners	304	--	--	72.5	33.3	122.7
Urinals	--	--	3.0	--	--	--
Audio/video equipment	249	--	--	62.7	29.1	102.8
Uninterruptible power supplies	344	--	--	85.8	39.8	147.8
Telephones	179	--	--	45.1	21.0	76.6
Water coolers	180	--	--	43.0	19.8	76.5
Ventilation fans	103	--	--	24.4	11.2	41.5
Portable electric spas	53	--	--	12.7	5.8	21.4
Hot food holding cabinets	73	--	--	17.4	8.0	31.0
Compressors	185	--	--	43.6	20.0	77.9
Total	9,636	21	112	3,373	1,133	5,152

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.