

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: Florida

	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	552.1	441	7,711	195.6	59.1	263.5	1,003.8	730	13,855	340.8	56.0	481.8
Showerheads	393.9	253	3,664	136.8	42.2	184.7	716.2	460	6,663	240.3	40.0	340.4
Lawn spray sprinklers	--	--	6,442	--	--	--	--	--	10,541	--	--	--
Toilets	--	--	1,903	--	--	--	--	--	5,157	--	--	--
Computers and monitors	571.9	--	--	181.9	61.3	250.9	640.5	--	--	196.2	35.8	283.3
High CRI fluorescent lamps	807.0	--	--	256.7	86.5	355.8	264.2	--	--	80.9	14.7	117.0
Air purifiers	134.5	--	--	42.8	14.4	58.5	220.1	--	--	67.4	12.3	97.1
Pool pump replacement motors	405.0	--	--	128.8	43.4	176.1	0.0	--	--	0.0	0.0	0.0
Commercial fryers	2.9	1,325	--	61.3	0.3	71.7	6.4	2,890	--	133.6	0.4	156.4
Commercial dishwashers	12.2	291	405	17.1	1.3	20.8	29.5	700	974	40.9	1.6	50.2
Commercial steam cookers	22.3	118	378	12.5	2.4	16.1	48.6	258	825	26.6	2.7	35.2
Portable air conditioners	32.1	--	--	10.2	3.4	14.0	61.3	--	--	18.8	3.4	27.0
Urinals	--	--	615	--	--	--	--	--	1,342	--	--	--
Audio/video equipment	79.1	--	--	25.1	8.5	34.4	79.1	--	--	24.2	4.4	34.9
Uninterruptible power supplies	113.0	--	--	35.9	12.1	49.8	125.3	--	--	38.4	7.0	55.5
Telephones	52.6	--	--	16.7	5.6	23.1	52.6	--	--	16.1	2.9	23.3
Water coolers	34.5	--	--	11.0	3.7	15.2	62.7	--	--	19.2	3.5	27.8
Ventilation fans	19.9	--	--	6.3	2.1	8.7	43.7	--	--	13.4	2.4	19.3
Portable electric spas	16.7	--	--	5.3	1.8	7.3	30.4	--	--	9.3	1.7	13.4
Hot food holding cabinets	14.8	--	--	4.7	1.6	6.5	32.3	--	--	9.9	1.8	14.3
Compressors	4.5	--	--	1.4	0.5	2.0	10.5	--	--	3.2	0.6	4.7
Total	3,269	2,427	21,118	1,150	350	1,559	3,427	5,038	39,358	1,279	191	1,782

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	173.1	337.0	2,546.9	no cost	0.0
Showerheads	101.6	197.0	1,493.6	no cost	0.0
Lawn spray sprinklers	73.8	139.1	916.6	8.3	1.0
Toilets	21.8	68.1	596.2	no cost	0.0
Computers and monitors	70.1	77.8	374.9	2.3	2.2
High CRI fluorescent lamps	91.7	30.5	290.3	1.9	2.6
Air purifiers	18.5	30.2	149.5	2.6	2.9
Pool pump replacement motors	55.8	0.0	302.7	7.9	0.8
Commercial fryers	18.9	44.6	235.4	3.6	2.9
Commercial dishwashers	10.1	26.8	172.7	11.3	1.0
Commercial steam cookers	8.5	20.2	134.4	12.0	0.9
Portable air conditioners	4.4	8.4	45.0	3.3	2.6
Urinals	7.0	17.7	126.4	no cost	0.0
Audio/video equipment	10.9	10.9	93.7	no cost	0.0
Uninterruptible power supplies	13.0	14.2	77.9	2.8	2.0
Telephones	6.3	6.2	53.9	no cost	0.0
Water coolers	3.9	7.0	54.4	no cost	0.0
Ventilation fans	2.7	6.0	44.5	no cost	0.0
Portable electric spas	2.3	4.2	32.5	no cost	0.0
Hot food holding cabinets	1.7	3.6	19.3	3.6	2.6
Compressors	0.5	1.1	5.9	4.3	2.4
Total	697	1,050	7,767	8.2	-

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: **Florida**

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Faucets	11,042	8.3	153.1	3,881.1	850.5	5,320.4
Showerheads	7,878	5.1	73.3	2,728.2	606.8	3,748.4
Lawn spray sprinklers	--	--	121.2	--	--	--
Toilets	--	--	43.8	--	--	--
Computers and monitors	8,285	--	--	2,636.4	674.1	3,678.9
High CRI fluorescent lamps	8,383	--	--	2,711.8	782.7	3,797.9
Air purifiers	2,531	--	--	803.2	197.5	1,117.9
Pool pump replacement motors	4,095	--	--	1,309.3	373.0	1,803.5
Commercial fryers	64	28.9	--	1,336.5	4.8	1,563.6
Commercial dishwashers	276	6.6	9.1	386.5	20.7	471.4
Commercial steam cookers	486	2.6	8.2	271.4	36.7	352.7
Portable air conditioners	659	--	--	209.0	50.5	291.3
Urinals	--	--	13.4	--	--	--
Audio/video equipment	1,052	--	--	335.1	86.5	464.4
Uninterruptible power supplies	1,622	--	--	516.3	132.1	722.4
Telephones	703	--	--	223.9	57.8	312.8
Water coolers	689	--	--	218.5	53.1	306.1
Ventilation fans	435	--	--	137.9	32.9	192.3
Portable electric spas	335	--	--	106.1	25.8	147.8
Hot food holding cabinets	323	--	--	102.3	24.4	143.4
Compressors	100	--	--	31.7	7.5	44.4
Total	48,959	51	422	17,945	4,017	24,480

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.