

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

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)
Air compressors	3.7	--	--	1.6	0.4	1.5	10.6	--	--	3.7	0.6	4.3
Air purifiers	93.7	--	--	40.2	9.0	41.3	187.3	--	--	66.4	9.9	70.3
Commercial dishwashers	10.6	252	351	16.0	1.0	17.7	31.2	742	1,032	44.8	1.7	52.0
Commercial fryers	1.7	950	--	44.0	0.2	51.2	4.6	2,534	--	117.0	0.2	136.4
Commercial hot-food holding cabinets	11.2	--	--	4.8	1.1	4.5	29.8	--	--	10.5	1.6	12.0
Commercial steam cookers	18.7	99	318	12.6	1.8	12.9	49.9	265	847	29.7	2.6	34.2
Computers and computer monitors	468.5	--	--	201.1	44.9	197.0	588.7	--	--	208.7	31.1	230.7
Faucets	368.0	271	5,088	170.3	35.3	176.5	817.7	560	11,207	315.4	43.2	336.7
High CRI fluorescent lamps	200.1	--	--	85.9	19.2	82.0	57.4	--	--	20.4	3.0	22.5
Portable air conditioners	20.8	--	--	8.9	2.0	9.2	62.5	--	--	22.2	3.3	23.5
Portable electric spas	13.9	--	--	6.0	1.3	6.1	30.9	--	--	11.0	1.6	11.6
Residential ventilating fans	11.5	--	--	4.9	1.1	5.1	25.6	--	--	9.1	1.4	9.6
Showerheads	260.1	167	2,420	119.3	25.0	123.4	578.0	371	5,378	221.8	30.6	236.7
Spray sprinkler bodies	--	--	5,371	--	--	--	--	--	10,742	--	--	--
Toilets (water closets)	--	--	1,364	--	--	--	--	--	4,264	--	--	--
Uninterruptible power supplies	96.3	--	--	41.3	9.2	39.5	130.4	--	--	46.2	6.9	52.2
Urinals	--	--	187	--	--	--	--	--	500	--	--	--
Water coolers	24.1	--	--	10.4	2.3	9.8	53.6	--	--	19.0	2.8	21.6
Total	1,603	1,740	15,100	767	154	778	2,658	4,471	33,971	1,146	141	1,254

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	0.3	1.0	5.2	4.0	2.4
Air purifiers	12.6	25.3	117.9	2.6	2.9
Commercial dishwashers	8.4	26.6	164.8	10.5	1.0
Commercial fryers	12.2	32.9	146.0	2.9	3.3
Commercial hot-food holding cabinets	1.2	3.1	15.4	3.3	2.7
Commercial steam cookers	6.9	19.9	127.4	11.4	0.9
Computers and computer monitors	54.7	68.4	309.9	2.2	2.2
Faucets	114.4	273.1	1988.0	no cost	0.0
High CRI fluorescent lamps	21.5	6.6	98.4	3.1	2.2
Portable air conditioners	2.8	8.5	38.9	3.2	2.6
Portable electric spas	1.9	4.2	31.2	no cost	0.0
Residential ventilating fans	1.6	3.5	25.8	no cost	0.0
Showerheads	66.8	158.6	1158.6	no cost	0.0
Spray sprinkler bodies	62.5	144.1	918.3	8.3	1.0
Toilets (water closets)	15.9	57.2	510.7	no cost	0.0
Uninterruptible power supplies	10.4	13.9	69.9	2.6	2.0
Urinals	2.2	6.7	46.2	no cost	0.0
Water coolers	2.5	5.6	41.8	no cost	0.0
Total	399	859	5,814	9.6	-

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: Florida

	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	90	--	--	35.8	5.8	38.4
Air purifiers	1,967	--	--	793.0	130.4	815.7
Commercial dishwashers	262	6.2	8.7	387.3	16.8	441.9
Commercial fryers	41	22.8	--	1,055.0	2.7	1,228.9
Commercial hot-food holding cabinets	268	--	--	107.1	17.3	114.6
Commercial steam cookers	449	2.4	7.6	288.1	28.9	318.8
Computers and computer monitors	7,125	--	--	2,881.9	492.2	3,018.3
Faucets	8,177	5.7	112.4	3,548.7	535.7	3,687.1
High CRI fluorescent lamps	1,980	--	--	808.2	152.1	844.0
Portable air conditioners	548	--	--	219.5	34.9	225.3
Portable electric spas	309	--	--	124.3	20.3	127.9
Residential ventilating fans	256	--	--	102.8	16.7	105.8
Showerheads	5,780	3.7	53.8	2,493.1	378.6	2,588.3
Spray sprinkler bodies	--	--	112.8	--	--	--
Toilets (water closets)	--	--	33.9	--	--	--
Uninterruptible power supplies	1,559	--	--	630.9	107.4	665.4
Urinals	--	--	4.5	--	--	--
Water coolers	536	--	--	215.7	35.1	229.9
Total	29,346	41	334	13,691	1,975	14,451

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