

Appliance Standards Awareness Project

2023 State Appliance Standards Recommendations

Savings estimates for: Florida

	Potential annual savings in 2030						Potential annual savings in 2040					
	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 purifiers	270.4	--	--	62.7	17.2	94.3	442.4	--	--	71.9	23.6	114.0
Commercial dishwashers	13.4	330	459	18.0	0.9	22.2	32.1	790	1,099	41.0	1.7	50.1
Commercial fryers	5.1	1,700	--	78.2	0.3	92.1	11.1	3,710	--	169.9	0.6	199.9
Commercial ovens	13.7	219	--	13.1	0.9	16.4	29.8	479	--	26.5	1.6	33.0
Commercial steam cookers	8.7	69	193	5.1	0.6	6.7	18.9	151	421	9.9	1.0	12.8
Electric vehicle supply equipment	25.6	--	--	5.9	1.6	8.9	170.4	--	--	27.7	9.1	43.9
Faucets	370.7	285	5,617	98.9	23.6	144.5	674.0	513	10,198	132.7	36.0	200.9
Gas fireplaces	--	88	--	4.0	--	4.7	--	241	--	10.9	--	12.8
High CRI fluorescent lamps	126.3	--	--	29.3	8.0	43.9	30.9	--	--	5.0	1.6	7.9
Portable electric spas	86.8	--	--	20.1	5.5	30.3	145.9	--	--	23.7	7.8	37.6
Residential ventilating fans	22.2	--	--	5.2	1.4	7.8	60.6	--	--	9.8	3.2	15.6
Showerheads	320.4	240	3,310	85.2	20.4	124.5	582.5	437	6,019	114.4	31.1	173.3
Spray sprinkler bodies	--	--	13,406	--	--	--	--	--	24,375	--	--	--
Toilets (water closets)	--	--	1,240	--	--	--	--	--	3,299	--	--	--
Urinals	--	--	234	--	--	--	--	--	511	--	--	--
Water coolers	54.7	--	--	12.7	3.5	19.0	99.4	--	--	16.1	5.3	25.3
Total	1,318	2,932	24,459	438	84	615	2,298	6,320	45,922	660	123	927

Assuming a compliance date of 2025 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.

Savings estimates for: Florida

	Potential annual utility bill savings (million 2021\$)		Net present value savings (million 2021\$)	Benefit-cost ratio	Payback period (years)
	In 2030	In 2040			
Air purifiers	31.9	52.6	345.0	5.6	1.3
Commercial dishwashers	11.8	31.2	200.1	10.8	1.0
Commercial fryers	22.4	50.9	294.3	4.7	2.1
Commercial ovens	4.0	9.0	26.8	1.7	5.6
Commercial steam cookers	4.3	10.5	68.9	11.2	0.9
Electric vehicle supply equipment	3.0	20.3	123.2	no cost	0.0
Faucets	129.1	257.7	1936.8	no cost	0.0
Gas fireplaces	2.0	5.9	38.7	23.2	0.5
High CRI fluorescent lamps	11.2	3.0	45.9	2.6	2.2
Portable electric spas	10.2	17.4	104.7	4.2	1.5
Residential ventilating fans	2.6	7.2	50.0	no cost	0.0
Showerheads	89.8	177.4	1339.4	no cost	0.0
Spray sprinkler bodies	188.1	394.7	2667.6	12.0	0.8
Toilets (water closets)	17.4	53.4	457.8	no cost	0.0
Urinals	3.3	8.3	59.0	no cost	0.0
Water coolers	4.7	8.5	66.6	no cost	0.0
Total	536	1,108	7,825	15.9	-

Assuming a compliance date of 2025 for 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 2025 and 2040. 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 2040 for the package of recommended standards divided by the present value of the total additional costs. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: Florida

	Potential cumulative savings through 2040					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	5,088	--	--	960.2	299.8	1,486.9
Commercial dishwashers	302	7.4	10.3	392.8	17.6	489.6
Commercial fryers	111	37.1	--	1,702.0	6.5	2,005.6
Commercial ovens	298	4.8	--	272.5	17.5	348.4
Commercial steam cookers	189	1.5	4.2	103.6	11.1	139.8
Electric vehicle supply equipment	967	--	--	172.4	55.3	266.9
Faucets	7,414	5.7	112.2	1,648.3	435.7	2,455.1
Gas fireplaces	--	2.1	--	92.9	--	108.9
High CRI fluorescent lamps	1,248	--	--	253.3	76.3	426.9
Portable electric spas	1,656	--	--	312.4	97.6	483.8
Residential ventilating fans	515	--	--	95.2	30.0	147.4
Showerheads	6,408	4.8	66.2	1,420.6	376.6	2,117.2
Spray sprinkler bodies	--	--	268.1	--	--	--
Toilets (water closets)	--	--	28.4	--	--	--
Urinals	--	--	5.1	--	--	--
Water coolers	1,093	--	--	205.2	64.3	348.2
Total	25,290	63	495	7,631	1,488	10,825

Assuming a compliance date of 2025 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets and computers and computer monitors, we have not estimated savings for these products due to insufficient data on the current market.