

Appliance Standards Awareness Project

2024 State Appliance Standards Recommendations

Savings estimates for: Louisiana

	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)
Commercial battery chargers	4.6	--	--	0.3	0.1	0.8	13.9	--	--	0.5	0.1	2.3
Commercial dishwashers	3.9	96	133	4.6	0.04	5.8	11.4	281	391	13.2	0.1	16.8
Commercial fryers	1.1	359	--	16.4	0.01	19.3	2.9	959	--	43.6	0.01	51.4
Commercial ovens	2.8	45	--	2.2	0.03	2.9	7.6	121	--	5.8	0.04	7.7
Commercial steam cookers	1.8	14	40	0.8	0.02	1.1	4.8	38	107	1.9	0.02	2.8
Faucets	23.7	75	494	4.8	0.3	8.1	52.6	165	1,092	9.5	0.3	17.3
Gas fireplaces	--	43	--	1.9	--	2.3	--	138	--	6.2	--	7.3
High CRI fluorescent lamps	19.4	--	--	1.1	0.2	3.4	7.3	--	--	0.3	0.04	1.2
Irrigation controllers	--	--	2,134	--	--	--	--	--	6,877	--	--	--
Portable electric spas	7.4	--	--	0.4	0.1	1.3	14.6	--	--	0.6	0.1	2.4
Residential ventilating fans	1.5	--	--	0.1	0.02	0.3	4.8	--	--	0.2	0.02	0.8
Showerheads	30.0	93	424	6.0	0.3	10.2	66.7	207	943	11.9	0.3	21.8
Spray sprinkler bodies	--	--	3,927	--	--	--	--	--	8,727	--	--	--
Toilets (water closets)	--	--	179	--	--	--	--	--	544	--	--	--
Urinals	--	--	40	--	--	--	--	--	106	--	--	--
Water coolers	15.9	--	--	0.9	0.2	2.8	35.3	--	--	1.3	0.2	5.8
Total	112	726	6,979	40	1	58	222	1,908	16,213	95	1	137

Assuming a compliance date of 2026 for all the recommended standards. 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. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total water savings. The total potential water savings are thus smaller than the sum of the individual products.

Savings estimates for: Louisiana

	Potential annual utility bill savings (million 2022\$)		Net present value savings (million 2022\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.3	1.2	8.7	2.0
Commercial dishwashers	3.0	10.1	85.5	1.2
Commercial fryers	3.3	10.1	66.5	3.0
Commercial ovens	0.7	2.1	6.0	6.9
Commercial steam cookers	0.8	2.6	22.4	1.0
Faucets	10.2	25.9	259.7	0.0
Gas fireplaces	0.5	1.9	16.4	0.9
High CRI fluorescent lamps	2.0	0.9	10.3	2.1
Irrigation controllers	28.1	104.4	944.1	0.8
Portable electric spas	0.9	2.0	15.3	1.5
Residential ventilating fans	0.2	0.6	5.8	0.0
Showerheads	10.2	26.1	260.9	0.0
Spray sprinkler bodies	51.6	132.5	1,214.1	0.9
Toilets (water closets)	2.3	8.3	103.0	0.0
Urinals	0.5	1.6	15.7	0.0
Water coolers	1.6	4.2	40.6	0.0
Total	111	295	2,943	-

Assuming a compliance date of 2026 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 2026 and 2050. 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. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total savings. The totals are thus smaller than the sum of the individual products.

Cumulative savings estimates for: Louisiana

	Potential cumulative savings through 2050						Utility bill savings (million 2022\$)
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)	
Commercial battery chargers	256	--	--	10.7	1.9	41.4	20.8
Commercial dishwashers	210	5.2	7.2	243.1	1.6	308.6	186.4
Commercial fryers	55	18.2	--	827.7	0.4	976.3	187.9
Commercial ovens	144	2.3	--	110.5	1.1	145.8	39.5
Commercial steam cookers	91	0.7	2.0	36.7	0.7	53.3	48.7
Faucets	1,052	3.3	21.9	194.0	7.9	346.3	515.6
Gas fireplaces	--	2.5	--	113.1	--	132.5	34.5
High CRI fluorescent lamps	235	--	--	11.7	2.2	40.2	26.4
Irrigation controllers	--	--	124.5	--	--	--	1,920.4
Portable electric spas	297	--	--	12.7	2.3	48.4	38.7
Residential ventilating fans	86	--	--	3.6	0.6	13.9	11.3
Showerheads	1,333	4.1	18.9	243.6	10.0	436.2	518.3
Spray sprinkler bodies	--	--	174.5	--	--	--	2,659.5
Toilets (water closets)	--	--	11.3	--	--	--	176.2
Urinals	--	--	2.0	--	--	--	30.8
Water coolers	706	--	--	29.9	5.3	114.9	81.0
Total	4,465	36	319	1,837	34	2,658	5,819

Assuming a compliance date of 2026 for all the recommended standards. 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. We accounted for the interaction effects among irrigation controllers and spray sprinkler bodies in calculating the total water and utility bill savings. The total potential water and utility bill savings are thus smaller than the sum of the individual products.