

Appliance Standards Awareness Project

2025 State Appliance Standards Recommendations

Savings estimates for: Ohio

	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 (thousand metric tons)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)
Commercial battery chargers	3.7	--	--	0.3	0.7	1.4	14.0	--	--	1.0	2.2	4.4
Commercial dishwashers	11.0	141	196	7.4	2.0	11.6	31.5	403	561	20.4	5.1	31.2
Commercial fryers	0.6	455	--	20.7	0.1	24.3	2.2	1,559	--	70.8	0.4	83.2
Commercial ovens	6.5	47	--	2.7	1.2	4.9	22.2	160	--	8.8	3.6	15.5
Commercial steam cookers	2.1	20	51	1.1	0.4	1.8	7.1	68	175	3.6	1.1	5.8
Faucets	45.8	342	1,648	19.7	8.5	35.3	130.9	975	4,702	53.2	21.1	92.9
Gas fireplaces	--	84	--	3.8	--	4.5	--	325	--	14.7	--	17.2
High CRI fluorescent lamps	44.4	--	--	4.1	8.2	16.7	21.5	--	--	1.5	3.5	6.8
Portable electric spas	85.9	--	--	7.8	15.8	32.3	214.9	--	--	14.7	34.6	67.8
Residential ventilating fans	3.4	--	--	0.3	0.6	1.3	13.1	--	--	0.9	2.1	4.1
Server power supplies	72.6	--	--	6.6	13.4	27.3	103.7	--	--	7.1	16.7	32.7
Showerheads	34.2	255	840	14.7	6.3	26.3	97.7	727	2,399	39.7	15.7	69.3
Spray sprinkler bodies	--	--	1,263	--	--	--	--	--	3,608	--	--	--
Toilets (water closets)	--	--	410	--	--	--	--	--	1,530	--	--	--
Urinals	--	--	76	--	--	--	--	--	259	--	--	--
Water coolers	25.4	--	--	2.3	4.7	9.5	72.5	--	--	5.0	11.7	22.9
Total	336	1,343	4,483	92	62	197	731	4,217	13,234	241	118	454

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Savings estimates for: Ohio

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.2	0.9	4.8	4.1
Commercial dishwashers	5.2	16.6	145.0	1.0
Commercial fryers	2.8	10.7	59.2	4.0
Commercial ovens	0.9	3.0	5.3	7.4
Commercial steam cookers	1.2	4.5	39.8	0.8
Faucets	37.1	119.7	1,183.5	0.0
Gas fireplaces	0.8	3.4	29.3	1.3
High CRI fluorescent lamps	4.0	2.1	22.8	2.0
Portable electric spas	10.6	27.7	251.6	0.7
Residential ventilating fans	0.4	1.7	16.5	0.0
Server power supplies	6.4	9.2	76.0	1.1
Showerheads	21.0	67.4	666.2	0.0
Spray sprinkler bodies	21.6	71.0	651.5	0.7
Toilets (water closets)	7.0	30.1	378.1	0.0
Urinals	1.3	5.1	48.8	0.0
Water coolers	2.2	6.4	63.3	0.0
Total	123	380	3,642	-

Assuming a compliance date of 2027 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 2027 and 2050. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: Ohio

	Potential cumulative savings through 2050						
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)	Utility bill savings (million 2023\$)
Commercial battery chargers	257	--	--	18.0	40.8	81.5	15.8
Commercial dishwashers	598	7.7	10.7	388.8	94.6	594.6	315.5
Commercial fryers	40	28.1	--	1275.0	6.3	1497.8	189.5
Commercial ovens	399	2.9	--	158.6	63.2	279.2	54.4
Commercial steam cookers	128	1.2	3.1	64.2	20.3	105.1	82.3
Faucets	2,488	18.5	89.4	1014.1	393.5	1769.1	2287.1
Gas fireplaces	--	6.0	--	269.9	--	315.1	61.5
High CRI fluorescent lamps	626	--	--	45.2	102.3	202.3	58.6
Portable electric spas	4,215	--	--	295.0	666.9	1336.0	539.8
Residential ventilating fans	239	--	--	16.8	38.0	76.1	30.8
Server power supplies	2,229	--	--	157.6	356.9	712.1	196.9
Showerheads	1,857	13.8	45.6	756.1	293.7	1319.5	1286.9
Spray sprinkler bodies	--	--	68.5	--	--	--	1363.8
Toilets (water closets)	--	--	31.3	--	--	--	633.5
Urinals	--	--	4.7	--	--	--	93.2
Water coolers	1,378	--	--	96.4	218.0	436.7	121.7
Total	14,454	78	253	4,556	2,295	8,725	7,331

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.