

Appliance Standards Awareness Project

2025 State Appliance Standards Recommendations

Savings estimates for: West Virginia

	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	1.0	--	--	0.1	0.2	0.4	3.8	--	--	0.3	0.6	1.2
Commercial dishwashers	1.7	21	29	1.1	0.3	1.7	4.7	61	84	3.1	0.8	4.7
Commercial fryers	0.1	68	--	3.1	0.02	3.7	0.3	234	--	10.6	0.1	12.5
Commercial ovens	1.0	7	--	0.4	0.2	0.7	3.3	24	--	1.3	0.5	2.3
Commercial steam cookers	0.3	3	8	0.2	0.1	0.3	1.1	10	26	0.5	0.2	0.9
Faucets	12.1	27	249	2.3	2.2	6.0	34.6	77	712	5.9	5.6	15.0
Gas fireplaces	--	22	--	1.0	--	1.2	--	85	--	3.9	--	4.5
High CRI fluorescent lamps	4.6	--	--	0.4	0.9	1.7	2.4	--	--	0.2	0.4	0.8
Portable electric spas	8.2	--	--	0.7	1.5	3.1	20.4	--	--	1.4	3.3	6.4
Residential ventilating fans	0.5	--	--	0.0	0.1	0.2	2.0	--	--	0.1	0.3	0.6
Server power supplies	6.5	--	--	0.6	1.2	2.4	9.2	--	--	0.6	1.5	2.9
Showerheads	9.0	20	127	1.7	1.7	4.5	25.9	58	363	4.4	4.2	11.2
Spray sprinkler bodies	--	--	571	--	--	--	--	--	1,632	--	--	--
Toilets (water closets)	--	--	62	--	--	--	--	--	231	--	--	--
Urinals	--	--	11	--	--	--	--	--	39	--	--	--
Water coolers	4.0	--	--	0.4	0.7	1.5	11.4	--	--	0.8	1.8	3.6
Total	49	169	1,058	12	9	27	119	549	3,087	33	19	67

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: [West Virginia](#)

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.1	0.2	1.2	3.8
Commercial dishwashers	0.8	2.5	21.6	1.0
Commercial fryers	0.6	2.2	14.2	2.9
Commercial ovens	0.1	0.5	1.4	6.6
Commercial steam cookers	0.2	0.7	5.7	0.8
Faucets	5.6	17.8	176.3	0.0
Gas fireplaces	0.2	1.0	9.1	1.1
High CRI fluorescent lamps	0.4	0.2	2.4	2.1
Portable electric spas	1.0	2.5	22.6	0.8
Residential ventilating fans	0.1	0.2	2.4	0.0
Server power supplies	0.6	0.8	6.8	1.1
Showerheads	3.2	10.3	101.9	0.0
Spray sprinkler bodies	8.8	29.0	263.1	0.8
Toilets (water closets)	1.0	4.1	51.5	0.0
Urinals	0.2	0.7	6.6	0.0
Water coolers	0.4	1.0	10.0	0.0
Total	23	74	697	-

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: [West Virginia](#)

	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	69	--	--	4.8	11.0	22.0	3.8
Commercial dishwashers	90	1.1	1.6	58.4	14.2	89.3	47.0
Commercial fryers	6	4.2	--	191.5	0.9	224.9	38.6
Commercial ovens	60	0.4	--	23.8	9.5	41.9	9.2
Commercial steam cookers	19	0.2	0.5	9.6	3.0	15.8	11.9
Faucets	658	1.5	13.5	112.5	104.1	286.2	340.4
Gas fireplaces	--	1.6	--	70.6	--	82.5	18.7
High CRI fluorescent lamps	67	--	--	4.9	11.0	21.8	6.4
Portable electric spas	400	--	--	28.0	63.3	126.9	49.0
Residential ventilating fans	36	--	--	2.5	5.7	11.4	4.4
Server power supplies	198	--	--	14.0	31.7	63.3	17.6
Showerheads	491	1.1	6.9	83.9	77.7	213.5	196.8
Spray sprinkler bodies	--	--	31.0	--	--	--	555.7
Toilets (water closets)	--	--	4.7	--	--	--	86.2
Urinals	--	--	0.7	--	--	--	12.6
Water coolers	218	--	--	15.2	34.4	68.9	19.3
Total	2,312	10	59	620	367	1,268	1,417

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.