Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: West Virginia

	Potential annual savings in 2040								
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO_x (tons)	SO_2 (tons)	CO_2 (thousand metric tons)	Summer peak demand (MW)	Winter peak demand (MW)	Utility bills (million 2025$)
Commercial & industrial fans	113.9	--	--	8.8	11.7	22.5	16.2	14.4	9.8
Commercial battery chargers	3.2	--	--	0.2	0.3	0.6	0.4	0.4	0.3
Commercial dishwashers	11.8	51	76	3.2	1.2	5.0	0.9	1.0	3.4
Commercial fryers	0.3	221	--	10.0	0.1	11.8	0.1	0.1	2.9
Commercial ovens	3.1	23	--	1.3	0.3	1.8	0.7	0.7	0.6
Commercial steam cookers	1.0	10	25	0.5	0.1	0.7	0.2	0.2	0.7
Computer server power supplies	2.6	--	--	0.2	0.3	0.5	0.3	0.3	0.3
Electric motors	137.0	--	--	10.5	14.0	27.0	21.0	17.6	14.0
Faucets	16.7	55	349	3.8	1.7	6.2	2.4	4.0	9.8
Gas fireplaces	--	72	--	3.3	0.02	3.8	--	--	1.1
High CRI fluorescent lamps	2.3	--	--	0.2	0.2	0.4	0.4	0.3	0.3
Portable electric spas	6.1	--	--	0.5	0.6	1.2	0.5	0.5	0.9
Showerheads	37.0	83	521	6.6	3.8	11.7	5.4	9.0	16.5
Spray sprinkler bodies	--	--	2,847	--	--	--	--	--	22.5
Toilets (water closets)	--	--	353	--	--	--	--	--	6.6
Urinals	--	--	33	--	--	--	--	--	0.6
Water coolers	11.7	--	--	0.9	1.2	2.3	1.3	1.3	1.3
Total	**347**	**514**	**4,203**	**50**	**36**	**96**	**50**	**50**	**92**

Assuming a compliance date of 2029 for all the products. We have not estimated savings for commercial hot-food holding cabinets, computers and computer monitors, or residential ventilating fans due to insufficient data on the current market.

Cumulative savings estimates through 2050 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 bills (million 2025$)	Payback period (years)
Commercial & industrial fans	2,189.6	--	--	153.4	108.2	476.7	189.1	1.3
Commercial battery chargers	59.1	--	--	4.2	3.0	12.7	4.8	3.1
Commercial dishwashers	213.4	0.9	1.4	56.8	11.1	94.4	62.4	1.9
Commercial fryers	5.2	3.7	--	167.6	1.3	196.3	47.9	2.3
Commercial ovens	52.5	0.4	--	20.9	2.8	31.3	10.7	5.6
Commercial steam cookers	16.8	0.2	0.4	8.4	0.9	12.1	11.9	0.8
Computer server power supplies	51.4	--	--	3.6	2.5	11.4	5.8	2.8
Electric motors	2,445.8	--	--	170.7	122.9	531.1	251.3	1.4
Faucets	283.6	1.0	5.9	64.9	14.8	113.8	171.2	0.0
Gas fireplaces	--	1.4	--	62.1	0.4	72.5	21.0	1.0
High CRI fluorescent lamps	46.1	--	--	3.2	2.3	10.8	5.4	2.1
Portable electric spas	107.4	--	--	7.5	5.4	23.3	16.1	1.3
Showerheads	629.5	1.4	8.9	107.8	32.5	210.2	286.3	0.0
Spray sprinkler bodies	--	--	48.4	--	--	--	391.9	1.3
Toilets (water closets)	--	--	7.2	--	--	--	140.8	0.0
Urinals	--	--	0.5	--	--	--	10.5	0.0
Water coolers	198.3	--	--	13.9	10.1	42.8	22.2	0.0
Total	**6,299**	**9**	**73**	**845**	**318**	**1,839**	**1,649**	**–**

Assuming a compliance date of 2029 for all the products. We have not estimated savings for commercial hot-food holding cabinets, computers and computer monitors, or residential ventilating fans due to insufficient data on the current market.