

State-Level Benefits from Potential State Appliance Standards

West Virginia

Products	Annual Savings per Unit		Incremental Cost per Unit	Annual Savings in 2025						Annual Savings in 2035						Economics		
	Amount	Unit		\$	Electricity	Natural Gas	Water	CO ₂ Emissions	Value of Bill Savings	Electricity	Natural Gas	Water	CO ₂ Emissions	Value of Bill Savings	Pay Back Period	Benefit/Cost Ratio	Net Present Value	
					GWh	BBtu	Million Gallons	1000 MT	Million 2012\$	GWh	BBtu	Million Gallons	1000 MT	Million 2012\$	Years	Million 2012\$	TBtu	
Battery Chargers	-	-	-	82.9	-	-	53.9	8.1	84.3	-	-	52.6	8.2	-	-	46.7	14.3	
Small Consumer Chargers	10	kWh	\$1.53	80.3	-	-	52.2	7.9	80.3	-	-	50.1	7.9	1.5	2.3	44.6	13.8	
Small Non-Consumer Chargers	9	kWh	\$2.93	0.9	-	-	0.6	0.1	1.1	-	-	0.7	0.1	4.0	2.0	0.4	0.1	
Large Chargers	3,294	kWh	\$343	1.7	-	-	1.1	0.1	2.9	-	-	1.8	0.2	1.2	8.6	1.7	0.3	
Commercial Dishwashers	-	-	\$357	2.6	12.8	28.4	2.3	0.6	4.0	19.8	44.0	3.5	0.9	0.5	18.6	6.6	0.7	
electricity	3,109	kWh	-	2.6	-	-	1.7	0.2	4.0	-	-	2.5	0.3	-	-	-	0.5	
natural gas	156	therms	-	-	12.8	-	0.7	0.1	-	19.8	-	1.0	0.2	-	-	-	0.2	
water	34,643	gallons	-	-	-	28.4	-	0.2	-	-	44.0	-	0.4	-	-	-	-	
Double-Ended Quartz Halogen Lamps	329	kWh	\$34	5.6	-	-	3.7	0.5	0.0	-	-	0.0	0.0	1.2	1.4	1.7	1.0	
Faucets (lavatory)	-	-	\$0	5.8	40.0	114.7	5.9	1.9	6.8	47.0	134.9	6.8	2.3	no cost	no cost	19.6	1.6	
electricity	14	kWh	-	5.8	-	-	3.8	0.6	6.8	-	-	4.3	0.7	-	-	-	1.0	
natural gas	1	therms	-	-	40.0	-	2.1	0.4	-	47.0	-	2.5	0.5	-	-	-	0.7	
water	285	gallons	-	-	-	114.7	-	0.9	-	-	134.9	-	1.1	-	-	-	-	
Hot Food Holding Cabinets	2,197	kWh	\$609	1.6	-	-	1.0	0.1	2.2	-	-	1.4	0.2	3.3	2.8	1.0	0.3	
Portable Electric Spas	614	kWh	\$346	1.0	-	-	0.6	0.1	1.1	-	-	0.7	0.1	5.7	1.3	0.2	0.2	
Room Air Cleaners	340	kWh	\$0	39.1	-	-	25.4	3.9	41.4	-	-	25.9	4.1	no cost	no cost	36.2	6.0	
Toilets	745	gallons	\$0	-	-	247.4	-	2.0	-	-	538.6	-	4.3	no cost	no cost	30.9	-	
Urinals	4,095	gallons	\$0	-	-	127.0	-	1.0	-	-	186.8	-	1.5	no cost	no cost	12.2	-	
Water Dispensers	236	kWh	\$12	3.0	-	-	2.0	0.3	3.6	-	-	2.2	0.3	0.6	13.3	2.4	0.5	
Total	-	-	-	142	53	518	95	18	143	67	904	93	22	-	-	158	25	

*Assuming an effective date of 2017 for all standards.