

State-Level Benefits from Potential State Appliance Standards

Pennsylvania

Products	Annual Savings per Unit		Incremental Cost per Unit	Annual Savings in 2025					Annual Savings in 2035					Economics			Cumulative Energy Savings Through 2035
				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	
	Amount	Unit	\$	GWh	BBtu	Million Gallons	1000 MT	Million 2012\$	GWh	BBtu	Million Gallons	1000 MT	Million 2012\$	Years		Million 2012\$	TBtu
Battery Chargers	-	-	-	513.5	-	-	222.3	64.9	523.2	-	-	217.6	65.8	-	-	435.8	88.4
<i>Small Consumer Chargers</i>	10	kWh	\$1.53	495.9	-	-	214.7	63.2	495.9	-	-	206.3	63.2	1.2	3.0	419.3	85.1
<i>Small Non-Consumer Chargers</i>	9	kWh	\$2.93	6.2	-	-	2.7	0.6	7.3	-	-	3.0	0.7	3.6	2.2	3.3	1.0
<i>Large Chargers</i>	3,294	kWh	\$343	11.4	-	-	4.9	1.1	20.1	-	-	8.4	1.9	1.1	9.6	13.2	2.3
Commercial Dishwashers	-	-	\$357	17.6	87.8	195.6	12.3	4.6	27.2	136.0	302.9	18.5	7.1	0.4	22.0	54.7	5.1
<i>electricity</i>	3,109	kWh	-	17.6	-	-	7.6	1.7	27.2	-	-	11.3	2.6	-	-	-	3.4
<i>natural gas</i>	156	therms	-	-	87.8	-	4.7	0.9	-	136.0	-	7.2	1.4	-	-	-	1.7
<i>water</i>	34,643	gallons	-	-	-	195.6	-	2.0	-	-	302.9	-	3.1	-	-	-	-
Double-Ended Quartz Halogen Lamps	329	kWh	\$34	38.7	-	-	16.7	3.6	0.0	-	-	0.0	0.0	1.1	1.6	16.4	6.6
Faucets (lavatory)	-	-	\$0	35.9	246.8	708.0	28.6	14.8	42.2	290.3	832.9	33.0	17.5	no cost	no cost	151.5	10.0
<i>electricity</i>	14	kWh	-	35.9	-	-	15.5	4.6	42.2	-	-	17.5	5.4	-	-	-	5.9
<i>natural gas</i>	1	therms	-	-	246.8	-	13.1	3.0	-	290.3	-	15.4	3.5	-	-	-	4.1
<i>water</i>	285	gallons	-	-	-	708.0	-	7.3	-	-	832.9	-	8.6	-	-	-	-
Hot Food Holding Cabinets	2,197	kWh	\$609	10.7	-	-	4.6	1.0	15.1	-	-	6.3	1.4	2.9	3.1	8.0	2.0
Portable Electric Spas	650	kWh	\$346	13.7	-	-	5.9	1.7	16.1	-	-	6.7	2.1	4.2	1.7	7.3	2.3
Room Air Cleaners	340	kWh	\$0	241.5	-	-	104.6	30.8	255.7	-	-	106.4	32.6	no cost	no cost	289.3	37.1
Toilets	745	gallons	\$0	-	-	1,527.9	-	15.8	-	-	3,325.4	-	34.4	no cost	no cost	248.1	-
Urinals	4,095	gallons	\$0	-	-	873.8	-	9.0	-	-	1,285.0	-	13.3	no cost	no cost	109.0	-
Water Dispensers	236	kWh	\$12	20.9	-	-	9.0	2.0	24.5	-	-	10.2	2.3	0.5	14.9	18.8	3.4
Total	-	-	-	892	335	3,305	404	148	904	426	5,746	399	176	-	-	1,339	155

*Assuming an effective date of 2017 for all standards.