

State-Level Benefits from Potential State Appliance Standards

New Jersey

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\$	
Battery Chargers	-	-	-	329.0	-	-	142.4	51.6	335.7	-	-	139.6	52.4	-	-	380.4	56.7
<i>Small Consumer Chargers</i>	10	kWh	\$1.53	316.7	-	-	137.1	50.0	316.7	-	-	131.7	50.0	1.0	3.7	363.9	54.4
<i>Small Non-Consumer Chargers</i>	9	kWh	\$2.93	4.3	-	-	1.9	0.6	5.0	-	-	2.1	0.6	2.6	3.0	3.7	0.7
<i>Large Chargers</i>	3,294	kWh	\$343	7.9	-	-	3.4	1.0	14.0	-	-	5.8	1.8	0.8	13.0	12.8	1.6
Commercial Dishwashers	-	-	\$357	12.2	61.0	135.9	8.5	3.5	18.9	94.5	210.4	12.9	5.4	0.4	24.1	41.8	3.5
<i>electricity</i>	3,109	kWh	-	12.2	-	-	5.3	1.6	18.9	-	-	7.9	2.4	-	-	-	2.3
<i>natural gas</i>	156	therms	-	-	61.0	-	3.2	0.5	-	94.5	-	5.0	0.8	-	-	-	1.2
<i>water</i>	34,643	gallons	-	-	-	135.9	-	1.4	-	-	210.4	-	2.2	-	-	-	-
Double-Ended Quartz Halogen Lamps	329	kWh	\$34	26.8	-	-	11.6	3.4	0.0	-	-	0.0	0.0	0.8	2.2	21.9	4.6
Faucets (lavatory)	-	-	\$0	22.9	157.6	452.2	18.3	10.0	27.0	185.4	532.0	21.1	11.8	no cost	no cost	102.4	6.4
<i>electricity</i>	14	kWh	-	22.9	-	-	9.9	3.6	27.0	-	-	11.2	4.3	-	-	-	3.8
<i>natural gas</i>	1	therms	-	-	157.6	-	8.4	1.7	-	185.4	-	9.8	2.1	-	-	-	2.6
<i>water</i>	285	gallons	-	-	-	452.2	-	4.7	-	-	532.0	-	5.5	-	-	-	-
Hot Food Holding Cabinets	2,197	kWh	\$609	7.4	-	-	3.2	0.9	10.5	-	-	4.4	1.3	2.2	4.2	8.5	1.4
Portable Electric Spas	603	kWh	\$346	5.8	-	-	2.5	0.9	6.8	-	-	2.8	1.1	3.6	2.1	4.8	0.9
Room Air Cleaners	340	kWh	\$0	154.2	-	-	66.8	24.3	163.3	-	-	67.9	25.8	no cost	no cost	228.7	23.7
Toilets	745	gallons	\$0	-	-	975.9	-	10.1	-	-	2,124.1	-	21.9	no cost	no cost	158.5	-
Urinals	4,095	gallons	\$0	-	-	606.9	-	6.3	-	-	892.5	-	9.2	no cost	no cost	75.7	-
Water Dispensers	236	kWh	\$12	14.5	-	-	6.3	1.8	17.1	-	-	7.1	2.2	0.4	20.2	17.9	2.4
Total	-	-	-	573	219	2,171	260	113	579	280	3,759	256	131	-	-	1,041	100

*Assuming an effective date of 2017 for all standards.