Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Rhode Island

	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	16.7	--	--	1.4	0.0	1.2	3.8	2.5	3.5
Commercial battery chargers	0.3	--	--	0.0	0.0	0.0	0.0	0.0	0.1
Commercial dishwashers	2.0	--	--	0.2	0.0	0.1	0.2	0.9	0.4
Commercial ovens	0.4	8	--	0.4	0.002	0.5	0.0	0.1	0.3
Computer server power supplies	1.5	--	--	0.1	0.0	0.1	0.2	0.2	0.3
Electric motors	39.1	--	--	3.4	0.0	2.9	7.7	5.4	9.2
Total	**60**	**8**	--	**6**	**0.002**	**5**	**12**	**9**	**14**

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: Rhode Island

	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	327.0	--	--	28	0.0	24.3	70.0	0.9
Commercial battery chargers	5.0	--	--	0	0.0	0.4	1.1	2.7
Commercial dishwashers	35.3	--	--	3	0.0	2.6	7.7	**
Commercial ovens	6.8	0.1	--	7	0.04	7.6	4.3	**
Computer server power supplies	28.8	--	--	3	0.0	2.2	6.2	1.5
Electric motors	696.7	--	--	61	0.0	52.5	166.4	0.6
Total	**1,100**	**0.1**	**–**	**102**	**0.04**	**90**	**256**	**–**

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.

**Rhode Island has existing standards for commercial dishwashers and commercial ovens. We are recommending improved standards for these products; however, we did not estimate payback period due to insufficient data on the incremental product cost.