Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: New Jersey

	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	168.3	--	--	8.7	0.0	29.1	39.0	28.9	28.3
Commercial battery chargers	2.8	--	--	0.1	0.0	0.5	0.3	0.3	0.4
Commercial dishwashers	16.7	--	--	0.9	0.0	2.9	1.3	2.5	2.9
Commercial ovens	3.5	69	--	3.3	0.02	4.2	0.3	0.4	1.5
Computer server power supplies	30.9	--	--	1.6	0.0	5.3	3.5	3.5	5.4
Electric motors	364.1	--	--	18.8	0.0	62.9	75.1	57.7	70.3
Gas fireplaces	--	288	--	13.1	0.1	15.2	--	--	3.9
Total	**586**	**357**	--	**46**	**0.1**	**120**	**120**	**93**	**113**

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: New Jersey

	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	3,292.9	--	--	170	3.0	608.9	551.4	1.2
Commercial battery chargers	50.3	--	--	3	0.04	9.3	8.1	3.7
Commercial dishwashers	301.1	--	--	15	0.2	55.4	52.3	**
Commercial ovens	57.8	1.1	--	55	0.4	71.3	24.3	**
Computer server power supplies	603.1	--	--	32	1.0	112.4	104.2	1.9
Electric motors	6,486.2	--	--	339	6.8	1,197.6	1,248.9	0.8
Gas fireplaces	--	5.4	--	247	1.6	288.3	73.7	1.0
Total	**10,791**	**7**	**–**	**861**	**13**	**2,343**	**2,063**	**–**

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.

**New Jersey 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.