Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: New York

	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	352.4	--	--	0.0	0.0	46.7	76.2	55.9	68.4
Commercial dishwashers	34.8	--	--	0.0	0.0	4.6	3.5	3.7	7.9
Commercial ovens	7.2	144	--	6.5	0.0	8.6	0.9	0.8	3.3
Computer server power supplies	60.3	--	--	0.0	0.0	8.0	6.9	6.9	13.7
Electric motors	763.5	--	--	0.0	0.0	101.2	146.7	111.0	177.0
Total	**1,218**	**144**	**–**	**7**	**0.0**	**169**	**234**	**178**	**270**

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 York

	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	6,881.4	--	--	0.0	0.0	1,008.4	1,360.0	1.1
Commercial dishwashers	629.7	--	--	0.0	0.0	91.4	145.6	**
Commercial ovens	120.9	2.4	--	109	0.7	144.5	54.9	**
Computer server power supplies	1,176.1	--	--	0.0	0.0	177.6	267.4	1.5
Electric motors	13,599.7	--	--	0.0	0.0	2,008.8	3,174.5	0.7
Total	**22,408**	**2**	**–**	**109**	**1**	**3,431**	**5,002**	**–**

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 York 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.