Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Maryland

	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	119.5	--	--	6.8	2.7	21.3	28.0	19.8	17.6
Commercial battery chargers	1.9	--	--	0.1	0.04	0.3	0.2	0.2	0.3
Commercial dishwashers	11.0	--	--	0.6	0.2	2.0	0.9	1.7	1.7
Commercial fryers	1.1	782	--	35.5	0.3	41.6	0.1	0.2	13.8
Commercial ovens	11.1	80	--	4.3	0.3	6.2	1.1	1.6	3.1
Computer server power supplies	9.1	--	--	0.5	0.2	1.6	1.0	1.0	1.4
Electric motors	260.7	--	--	14.9	5.9	46.4	53.9	39.1	43.1
Gas fireplaces	--	135	--	6.1	0.04	7.2	--	--	2.6
High CRI fluorescent lamps	7.6	--	--	0.4	0.2	1.4	1.4	1.5	1.2
Total	**422**	**998**	**–**	**69**	**10**	**128**	**87**	**65**	**85**

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: Maryland

	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	2,340.3	--	--	130	27.0	448.7	344.1	1.5
Commercial battery chargers	33.6	--	--	2	0.4	6.4	4.8	4.5
Commercial dishwashers	198.5	--	--	11	2.3	37.9	30.0	**
Commercial fryers	18.6	13.1	--	593	4.0	694.4	228.1	1.7
Commercial ovens	185.6	1.3	--	71	2.6	106.4	51.2	4.3
Computer server power supplies	177.6	--	--	10	2.2	34.5	26.7	2.2
Electric motors	4,644.4	--	--	261	55.2	890.7	766.7	0.9
Gas fireplaces	--	2.6	--	116	0.7	135.5	48.6	0.8
High CRI fluorescent lamps	155.4	--	--	9	2.1	31.1	24.6	1.6
Total	**7,754**	**17**	**–**	**1,203**	**97**	**2,385**	**1,525**	**–**

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.

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