Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Michigan

	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	301.1	--	--	28.9	3.9	33.3	51.6	42.2	32.3
Commercial battery chargers	7.1	--	--	0.7	0.1	0.8	0.8	0.8	0.7
Commercial dishwashers	67.6	292	435	19.7	1.0	22.9	5.5	10.5	21.9
Commercial fryers	1.8	1,266	--	57.6	0.4	67.2	0.2	0.3	15.3
Commercial ovens	18.0	130	--	7.6	0.3	8.9	1.5	2.5	4.0
Commercial steam cookers	5.8	55	142	3.0	0.1	3.5	0.5	0.8	4.4
Computer server power supplies	23.8	--	--	2.3	0.3	2.6	2.7	2.7	3.3
Electric motors	487.1	--	--	46.7	6.3	53.8	85.3	68.9	67.7
Faucets	41.1	555	1,943	29.1	0.7	33.9	4.6	7.5	54.8
Gas fireplaces	--	335	--	15.2	0.1	17.7	--	--	3.7
High CRI fluorescent lamps	16.5	--	--	1.6	0.2	1.8	3.2	3.0	2.5
Portable electric spas	111.3	--	--	10.7	1.5	12.3	7.4	5.4	21.5
Showerheads	91.3	1,008	2,901	54.4	1.5	63.4	10.1	16.7	89.5
Spray sprinkler bodies	--	--	11,253	--	--	--	--	--	109.2
Toilets (water closets)	--	--	1,976	--	--	--	--	--	41.3
Urinals	--	--	186	--	--	--	--	--	3.9
Water coolers	54.4	--	--	5.2	0.7	6.0	6.2	6.2	7.5
Total	**1,227**	**3,640**	**18,836**	**283**	**17**	**328**	**180**	**168**	**484**

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: Michigan

	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	5,824.5	--	--	555.3	37.8	701.2	625.5	1.3
Commercial battery chargers	132.6	--	--	12.5	0.9	15.5	12.4	3.5
Commercial dishwashers	1,222.3	5.3	7.9	354.3	9.6	421.7	401.0	1.8
Commercial fryers	30.1	21.1	--	960.9	6.3	1,122.0	254.3	2.6
Commercial ovens	300.6	2.2	--	126.9	2.6	150.4	67.3	5.2
Commercial steam cookers	96.3	0.9	2.4	50.7	0.9	59.9	75.1	0.7
Computer server power supplies	463.2	--	--	45.0	3.1	58.7	64.2	2.3
Electric motors	8,685.2	--	--	831.6	57.5	1,057.7	1,207.7	1.1
Faucets	699.2	9.8	33.1	510.1	7.5	601.6	954.2	0.0
Gas fireplaces	--	6.3	--	287.0	1.8	335.0	71.0	1.3
High CRI fluorescent lamps	341.8	--	--	35.0	2.4	50.1	50.3	1.6
Portable electric spas	1,964.7	--	--	187.9	13.0	238.6	381.0	0.9
Showerheads	1,552.1	17.1	49.3	924.3	15.3	1,092.6	1,546.8	0.0
Spray sprinkler bodies	--	--	191.3	--	--	--	1,898.6	1.0
Toilets (water closets)	--	--	40.2	--	--	--	873.5	0.0
Urinals	--	--	3.1	--	--	--	66.9	0.0
Water coolers	924.0	--	--	88.0	6.2	110.9	127.9	0.0
Total	**22,237**	**63**	**327**	**4,970**	**165**	**6,016**	**8,678**	**–**

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