Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Ohio

	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	500.9	--	--	38.5	51.3	98.7	83.0	68.7	46.6
Commercial battery chargers	12.2	--	--	0.9	1.2	2.4	1.4	1.4	1.1
Commercial dishwashers	79.3	342	510	21.6	8.2	33.7	6.1	11.6	22.9
Commercial fryers	2.1	1,484	--	67.4	0.6	78.9	0.2	0.3	15.5
Commercial ovens	21.1	152	--	8.5	2.2	12.2	2.1	2.8	3.9
Commercial steam cookers	6.8	64	166	3.4	0.7	4.7	0.7	0.9	4.9
Computer server power supplies	36.7	--	--	2.8	3.8	7.2	4.2	4.2	4.1
Electric motors	726.3	--	--	55.8	74.4	143.2	127.4	102.2	81.7
Faucets	59.5	562	2,177	30.1	6.3	41.5	6.3	10.9	62.7
Gas fireplaces	--	277	--	12.5	0.1	14.6	--	--	3.9
High CRI fluorescent lamps	24.3	--	--	1.9	2.5	4.8	4.9	4.5	2.9
Portable electric spas	89.2	--	--	6.9	9.1	17.6	4.4	4.4	14.5
Showerheads	132.2	986	3,248	54.8	13.8	78.2	14.0	24.3	103.4
Spray sprinkler bodies	--	--	11,147	--	--	--	--	--	108.1
Toilets (water closets)	--	--	2,230	--	--	--	--	--	46.6
Urinals	--	--	219	--	--	--	--	--	4.6
Water coolers	84.0	--	--	6.5	8.6	16.6	9.6	9.6	9.3
Total	**1,774**	**3,867**	**19,697**	**312**	**183**	**554**	**264**	**246**	**537**

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: Ohio

	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	9,678.5	--	--	679.0	477.5	2,102.4	906.6	1.4
Commercial battery chargers	226.9	--	--	16.0	11.4	48.7	19.7	3.6
Commercial dishwashers	1,432.4	6.2	9.2	381.0	74.5	634.0	421.0	2.0
Commercial fryers	35.2	24.8	--	1,125.2	9.0	1,318.3	258.9	3.0
Commercial ovens	352.2	2.5	--	140.2	18.8	210.3	65.2	6.3
Commercial steam cookers	112.9	1.1	2.8	56.7	6.1	81.2	83.2	0.7
Computer server power supplies	716.2	--	--	50.1	35.5	158.8	79.2	2.8
Electric motors	12,955.2	--	--	904.5	651.1	2,812.9	1,463.1	1.3
Faucets	1,012.0	10.0	37.1	522.9	54.5	746.1	1,092.2	0.0
Gas fireplaces	--	5.2	--	237.2	1.5	276.9	74.4	1.0
High CRI fluorescent lamps	510.0	--	--	35.2	25.6	120.7	58.9	1.9
Portable electric spas	1,573.4	--	--	110.0	79.4	341.3	259.3	1.1
Showerheads	2,246.7	16.8	55.2	917.0	119.4	1,371.6	1,788.7	0.0
Spray sprinkler bodies	--	--	189.5	--	--	--	1,880.8	1.0
Toilets (water closets)	--	--	45.3	--	--	--	984.1	0.0
Urinals	--	--	3.6	--	--	--	78.4	0.0
Water coolers	1,428.8	--	--	100.2	72.9	308.4	158.1	0.0
Total	**32,280**	**67**	**343**	**5,275**	**1,637**	**10,531**	**9,672**	**–**

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