Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Alabama

	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	273.5	--	--	10.1	7.8	42.9	38.1	34.9	26.3
Commercial battery chargers	7.3	--	--	0.3	0.2	1.1	0.8	0.8	0.6
Commercial dishwashers	34.4	148	221	8.0	1.0	13.2	3.2	4.2	12.1
Commercial fryers	0.9	644	--	29.2	0.2	34.2	0.2	0.2	13.3
Commercial ovens	9.2	66	--	3.3	0.3	4.9	1.9	1.9	2.7
Commercial steam cookers	2.9	28	72	1.4	0.1	1.9	0.6	0.6	2.3
Computer server power supplies	8.1	--	--	0.3	0.2	1.3	0.9	0.9	1.2
Electric motors	350.6	--	--	13.0	10.0	54.9	51.8	45.9	41.0
Faucets	52.0	141	1,008	8.3	1.5	15.6	6.9	13.0	29.4
Gas fireplaces	--	214	--	9.7	0.1	11.3	--	--	4.2
High CRI fluorescent lamps	6.8	--	--	0.3	0.2	1.1	0.7	0.9	1.0
Portable electric spas	25.4	--	--	0.9	0.7	4.0	1.9	2.0	3.7
Showerheads	115.5	198	1,506	13.3	3.3	28.6	15.4	28.9	49.2
Spray sprinkler bodies	--	--	6,972	--	--	--	--	--	55.2
Toilets (water closets)	--	--	1,023	--	--	--	--	--	19.2
Urinals	--	--	95	--	--	--	--	--	1.8
Water coolers	33.3	--	--	1.2	0.9	5.2	3.8	3.8	4.8
Total	**920**	**1,439**	**10,897**	**99**	**27**	**220**	**126**	**138**	**268**

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: Alabama

	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	5,265.2	--	--	191.8	236.2	1,019.5	511.5	1.2
Commercial battery chargers	136.7	--	--	4.9	5.0	26.0	11.7	3.2
Commercial dishwashers	621.7	2.7	4.0	143.9	24.1	260.1	222.1	1.7
Commercial fryers	15.3	10.8	--	487.9	3.7	571.8	220.9	1.7
Commercial ovens	152.9	1.1	--	55.6	6.4	87.6	44.5	4.3
Commercial steam cookers	49.0	0.5	1.2	22.9	2.1	34.0	39.9	0.7
Computer server power supplies	157.9	--	--	5.8	8.5	31.1	22.6	2.2
Electric motors	6,258.0	--	--	228.7	297.4	1,210.5	734.0	1.2
Faucets	884.7	2.6	17.2	148.7	39.6	305.8	512.5	0.0
Gas fireplaces	--	4.0	--	183.5	1.2	214.2	78.6	0.8
High CRI fluorescent lamps	139.3	--	--	5.3	12.0	29.0	19.7	1.6
Portable electric spas	448.4	--	--	16.4	21.0	86.6	66.4	1.5
Showerheads	1,963.9	3.4	25.6	224.3	87.3	555.2	849.3	0.0
Spray sprinkler bodies	--	--	118.5	--	--	--	959.9	1.3
Toilets (water closets)	--	--	20.8	--	--	--	407.3	0.0
Urinals	--	--	1.6	--	--	--	30.6	0.0
Water coolers	565.3	--	--	20.6	24.8	108.5	81.3	0.0
Total	**16,658**	**25**	**189**	**1,740**	**769**	**4,540**	**4,813**	**–**

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.