Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Oklahoma

	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	232.3	--	--	12.1	0.0	21.2	35.9	30.0	20.8
Commercial battery chargers	5.6	--	--	0.3	0.0	0.5	0.6	0.6	0.5
Commercial dishwashers	27.3	118	176	6.8	0.03	8.7	4.8	3.3	8.2
Commercial fryers	0.7	511	--	23.2	0.1	27.1	0.2	0.1	8.2
Commercial ovens	7.3	53	--	2.8	0.02	3.4	2.0	1.5	1.6
Commercial steam cookers	2.3	22	57	1.1	0.01	1.4	0.6	0.5	1.7
Computer server power supplies	9.8	--	--	0.5	0.0	0.9	1.1	1.1	1.1
Electric motors	320.0	--	--	16.6	0.0	29.2	52.2	42.1	33.7
Faucets	25.3	180	777	9.5	0.1	11.8	2.6	6.2	21.1
Gas fireplaces	--	177	--	8.0	0.1	9.4	--	--	2.6
High CRI fluorescent lamps	6.6	--	--	0.3	0.0	0.6	0.9	0.9	0.8
Portable electric spas	47.6	--	--	2.5	0.0	4.3	18.1	2.8	7.1
Showerheads	56.1	310	1,160	16.9	0.1	21.5	5.7	13.8	34.8
Spray sprinkler bodies	--	--	5,270	--	--	--	--	--	41.7
Toilets (water closets)	--	--	792	--	--	--	--	--	14.9
Urinals	--	--	75	--	--	--	--	--	1.4
Water coolers	39.8	--	--	2.1	0.0	3.6	4.5	4.5	4.4
Total	**781**	**1,371**	**8,306**	**103**	**0.4**	**144**	**129**	**108**	**204**

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: Oklahoma

	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	4,489.7	--	--	246.2	0.9	474.8	401.1	1.7
Commercial battery chargers	104.4	--	--	5.5	0.02	10.8	8.5	4.5
Commercial dishwashers	493.7	2.1	3.2	122.7	0.7	163.8	150.1	2.1
Commercial fryers	12.1	8.5	--	387.6	2.5	453.0	137.5	2.3
Commercial ovens	121.4	0.9	--	46.3	0.3	59.0	27.3	6.2
Commercial steam cookers	38.9	0.4	1.0	18.9	0.1	23.7	28.7	0.8
Computer server power supplies	191.8	--	--	11.2	0.1	20.9	20.8	3.3
Electric motors	5,709.6	--	--	314.9	1.2	605.1	599.0	1.5
Faucets	429.3	3.2	13.3	168.7	1.0	214.7	367.6	0.0
Gas fireplaces	--	3.4	--	152.0	1.0	177.4	49.2	1.0
High CRI fluorescent lamps	136.3	--	--	9.4	0.1	16.3	15.2	2.3
Portable electric spas	839.7	--	--	46.2	0.2	88.8	126.6	1.6
Showerheads	953.0	5.3	19.7	290.4	1.7	378.6	600.8	0.0
Spray sprinkler bodies	--	--	89.6	--	--	--	725.5	1.3
Toilets (water closets)	--	--	16.1	--	--	--	315.0	0.0
Urinals	--	--	1.3	--	--	--	24.3	0.0
Water coolers	676.4	--	--	36.7	0.1	71.0	74.1	0.0
Total	**14,196**	**24**	**144**	**1,857**	**10**	**2,758**	**3,671**	**–**

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.