Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: California

	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	660.1	--	--	23.8	0.0	42.9	82.2	75.3	146.1
Commercial dishwashers	263.0	1,134	1,692	60.9	0.3	77.1	44.5	12.4	123.8
Commercial fryers	7.0	4,923	--	223.4	1.4	260.9	2.0	1.2	104.2
Commercial ovens	70.0	506	--	25.5	0.1	31.3	19.6	11.5	27.2
Commercial steam cookers	22.4	214	552	10.5	0.1	12.8	6.3	3.7	22.1
Computer server power supplies	59.7	--	--	2.2	0.0	3.9	6.8	6.8	14.2
Electric motors	1,315.8	--	--	47.5	0.0	85.5	162.6	147.5	338.2
Gas fireplaces	--	908	--	41.2	0.3	48.1	--	--	17.6
High CRI fluorescent lamps	39.1	--	--	1.4	0.0	2.5	5.1	4.0	10.1
Water coolers	166.2	--	--	6.0	0.0	10.8	19.0	19.0	39.5
Total	**2,603**	**7,685**	**2,243**	**442**	**2**	**576**	**348**	**281**	**843**

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: California

	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	12,841.8	--	--	452	0.0	969.0	2,832.4	0.7
Commercial dishwashers	4,753.1	20.5	30.6	1096	5.9	1,433.2	2,265.6	1.2
Commercial fryers	116.9	82.2	--	3730	23.8	4,357.8	1,790.9	1.6
Commercial ovens	1,168.7	8.4	--	424	2.4	533.6	457.7	3.0
Commercial steam cookers	374.6	3.6	9.2	175	1.0	216.7	376.0	0.5
Computer server power supplies	1,165.0	--	--	42	0.0	94.5	276.7	1.3
Electric motors	23,444.8	--	--	831	0.0	1,807.6	6,054.6	0.6
Gas fireplaces	--	17.2	--	779	5.0	909.0	348.9	0.7
High CRI fluorescent lamps	793.8	--	--	29	0.0	75.2	202.7	1.0
Water coolers	2,825.8	--	--	100	0.0	213.8	669.8	0.0
Total	**47,485**	**132**	**40**	**7,657**	**38**	**10,610**	**15,275**	**–**

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.