Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Washington

	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	225.2	--	--	9.2	0.0	17.0	39.3	31.4	16.3
Commercial battery chargers	4.9	--	--	0.2	0.0	0.4	0.6	0.6	0.3
Commercial dishwashers	14.0	--	--	0.6	0.0	1.1	1.0	2.0	1.2
Commercial ovens	2.9	58	--	2.7	0.02	3.3	0.4	0.5	1.3
Computer server power supplies	17.4	--	--	0.7	0.0	1.3	2.0	2.0	1.5
Electric motors	381.6	--	--	15.7	0.0	28.8	67.1	52.8	34.1
Gas fireplaces	--	538	--	24.4	0.2	28.5	--	--	8.4
Total	**646**	**596**	**–**	**54**	**0.2**	**80**	**110**	**89**	**63**

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: Washington

	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	4,368.2	--	--	185.7	0.0	377.7	314.8	2.2
Commercial battery chargers	91.2	--	--	3.8	0.0	7.9	5.8	6.0
Commercial dishwashers	252.2	--	--	10.6	0.0	22.0	22.0	**
Commercial ovens	48.4	1.0	--	45.6	0.3	55.0	22.0	**
Computer server power supplies	339.8	--	--	14.9	0.0	28.7	29.4	3.6
Electric motors	6,803.2	--	--	292.4	0.0	584.7	605.6	1.7
Gas fireplaces	--	10.2	--	461.4	2.9	538.6	165.5	0.9
Total	**11,903**	**11**	--	**1,014**	**3**	**1,615**	**1,165**	**–**

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.

**Washington has existing standards for commercial dishwashers and commercial ovens. We are recommending improved standards for these products; however, we did not estimate payback period due to insufficient data on the incremental product cost.