Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Oregon

	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	177.5	--	--	7.3	0.0	13.4	30.4	25.2	13.7
Commercial dishwashers	7.5	--	--	0.3	0.0	0.6	0.8	1.0	0.6
Commercial ovens	7.6	55	--	2.8	0.02	3.5	1.3	1.8	1.5
Computer server power supplies	15.6	--	--	0.6	0.0	1.2	1.8	1.8	1.3
Electric motors	291.1	--	--	12.0	0.0	22.0	50.9	41.5	26.7
Gas fireplaces	--	253	--	11.5	0.1	13.4	--	--	3.7
Toilets (water closets)	--	--	806	--	--	--	--	--	17.9
Urinals	--	--	79	--	--	--	--	--	1.7
Total	**499**	**308**	**884**	**34**	**0.1**	**54**	**85**	**71**	**67**

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: Oregon

	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	3,451.1	--	--	146	0.0	298.8	265.2	2.2
Commercial dishwashers	135.4	--	--	6	0.0	11.8	11.4	**
Commercial ovens	126.6	0.9	--	47	0.3	59.4	25.1	6.3
Computer server power supplies	303.8	--	--	13	0.0	25.6	25.4	3.8
Electric motors	5,190.5	--	--	223	0.0	446.1	474.1	1.6
Gas fireplaces	--	4.8	--	217	1.4	253.4	73.8	0.9
Toilets (water closets)	--	--	16.4	--	--	--	379.0	0.0
Urinals	--	--	1.3	--	--	--	30.0	0.0
Total	**9,207**	**6**	**18**	**652**	**2**	**1,095**	**1,284**	**–**

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.

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