Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Vermont

	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	14.6	--	--	1.3	0.0	1.1	2.4	2.0	2.1
Commercial battery chargers	0.3	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Commercial dishwashers	1.1	--	--	0.1	0.0	0.1	0.1	0.4	0.2
Commercial ovens	1.2	8	--	0.5	0.002	0.5	0.1	0.2	0.3
Computer server power supplies	0.8	--	--	0.1	0.0	0.1	0.1	0.1	0.1
Electric motors	27.6	--	--	2.4	0.0	2.0	4.5	3.7	5.0
Gas fireplaces	--	21	--	1.0	0.01	1.1	--	--	0.4
Portable electric spas	7.7	--	--	0.7	0.0	0.6	0.5	1.5	1.7
Toilets (water closets)	--	--	131	--	--	--	--	--	3.1
Total	**53**	**29**	**131**	**6**	**0.01**	**6**	**8**	**8**	**13**

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: Vermont

	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	282.0	--	--	25	0.0	21.1	42.1	1.0
Commercial battery chargers	6.1	--	--	1	0.0	0.5	0.8	2.7
Commercial dishwashers	20.6	--	--	2	0.0	1.5	3.8	**
Commercial ovens	19.2	0.1	--	8	0.04	8.8	4.7	4.6
Computer server power supplies	15.7	--	--	1	0.0	1.2	2.9	1.7
Electric motors	491.0	--	--	43	0.0	37.0	89.8	0.8
Gas fireplaces	--	0.4	--	18	0.1	21.1	6.7	0.8
Portable electric spas	135.2	--	--	11.8	0.0	10.2	29.8	0.7
Toilets (water closets)	--	--	2.7	--	--	--	65.9	0.0
Total	**970**	**1**	**3**	**109**	**0.2**	**101**	**247**	**–**

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.

**Vermont 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.