

Appliance Standards Awareness Project
 2025 State Appliance Standards Recommendations

Savings estimates for: Vermont

	Potential annual savings in 2030						Potential annual savings in 2040					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thousand metric tons)
Commercial battery chargers	0.1	--	--	0.01	0.001	0.01	0.4	--	--	0.05	0.004	0.04
Commercial dishwashers	0.4	--	--	0.05	0.003	0.03	1.2	--	--	0.1	0.01	0.1
Commercial ovens	0.4	3	--	0.2	0.003	0.2	1.2	9	--	0.5	0.01	0.6
Gas fireplaces	--	6	--	0.3	--	0.3	--	25	--	1.1	--	1.3
Portable electric spas	7.4	--	--	0.8	0.1	0.6	18.5	--	--	2.1	0.2	1.6
Server power supplies	1.8	--	--	0.2	0.01	0.1	2.6	--	--	0.3	0.02	0.2
Toilets (water closets)	--	--	22	--	--	--	--	--	83	--	--	--
Total	10	9	22	2	0.1	1.3	24	34	83	4	0.2	4

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Savings estimates for: Vermont

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.01	0.05	0.3	2.6
Commercial dishwashers	0.1	0.2	**	**
Commercial ovens	0.1	0.3	1.4	4.5
Gas fireplaces	0.1	0.3	2.8	1.0
Portable electric spas	1.5	4.0	37.7	0.4
Server power supplies	0.3	0.5	4.2	0.6
Toilets (water closets)	0.4	1.8	23.2	0.0
Total	2	7	70	-

Assuming a compliance date of 2027 for all the recommended standards. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between 2027 and 2050. While we are recommending the adoption of state-level standards for water softeners, we have not estimated savings for these products 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 net present value savings or payback period due to insufficient data on the incremental product cost.

Cumulative savings estimates 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 bill savings (million 2023\$)
Commercial battery chargers	8	--	--	0.8	0.1	0.6	0.9
Commercial dishwashers	23	--	--	2.5	0.2	1.9	3.9
Commercial ovens	22	0.2	--	9.6	0.2	10.2	5.0
Gas fireplaces	--	0.5	--	20.5	--	24.0	5.7
Portable electric spas	363	--	--	40.2	3.1	29.9	77.1
Server power supplies	55	--	--	6.1	0.5	4.5	9.4
Toilets (water closets)	--	--	1.7	--	--	--	38.8
Total	470	1	2	80	4	71	141

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for water softeners, we have not estimated savings for these products due to insufficient data on the current market.