

Appliance Standards Awareness Project

2025 State Appliance Standards Recommendations

Savings estimates for: [Massachusetts](#)

	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	0.8	--	--	0.1	0.01	0.1	2.6	--	--	0.3	0.02	0.2
Commercial dishwashers	4.6	--	--	0.5	0.03	0.4	13.1	--	--	1.5	0.1	1.2
Commercial ovens	0.8	25	--	1.2	0.01	1.4	2.7	85	--	4.2	0.02	4.7
Faucets	3.9	43	180	2.4	0.03	2.6	11.0	122	514	6.8	0.1	7.4
Gas fireplaces	--	34	--	1.6	--	1.8	--	132	--	6.0	--	7.0
Server power supplies	22.9	--	--	2.6	0.2	1.8	32.6	--	--	3.7	0.3	2.9
Showerheads	10.6	118	339	6.5	0.1	7.1	30.4	337	969	18.7	0.3	20.5
Total	43	220	519	15	0	15	92	676	1,483	41	1	44

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: [Massachusetts](#)

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.1	0.4	3.0	2.8
Commercial dishwashers	0.8	2.5	--	--
Commercial ovens	0.5	1.7	--	--
Faucets	5.2	16.6	164.1	0.0
Gas fireplaces	0.6	2.2	20.2	0.7
Server power supplies	4.1	6.2	58.7	0.5
Showerheads	11.2	35.8	352.8	0.0
Total	22	66	599	4

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.

******Massachusetts has existing standards for commercial dishwashers and commercial ovens. 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: [Massachusetts](#)

	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	49	--	--	5.4	0.4	4.0	8.0
Commercial dishwashers	248	--	--	27.4	2.1	20.4	46.1
Commercial ovens	49	1.5	--	74.9	0.4	85.2	30.5
Faucets	210	2.3	9.8	128.5	1.8	140.2	317.1
Gas fireplaces	--	2.4	--	109.7	--	128.0	40.4
Server power supplies	702	--	--	77.8	6.0	57.9	129.8
Showerheads	577	6.4	18.4	353.9	4.9	386.1	681.3
Total	1,834	13	28	778	16	822	1,253

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.