

Appliance Standards Awareness Project

2024 State Appliance Standards Recommendations

Savings estimates for: District of Columbia

	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 (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Commercial battery chargers	0.3	--	--	0.02	0.02	0.1	0.8	--	--	0.04	0.04	0.2
Commercial ovens	0.4	7	--	0.3	0.02	0.4	1.1	18	--	0.8	0.1	1.1
Gas fireplaces	--	2	--	0.1	--	0.1	--	8	--	0.3	--	0.4
Irrigation controllers	--	--	364	--	--	--	--	--	1,145	--	--	--
Total	1	9	364	0.4	0.04	1	2	25	1,145	1	0.1	2

Assuming a compliance date of 2026 for all the recommended standards. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets, we have not estimated savings for these products due to insufficient data on the current market.

	Potential annual utility bill savings (million 2022\$)		Net present value savings (million 2022\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.05	0.1	0.8	2.3
Commercial ovens	0.1	0.4	1.9	4.9
Gas fireplaces	0.03	0.1	1.1	0.8
Irrigation controllers	4.8	17.4	172.6	0.9
Total	5	18	176	--

Assuming a compliance date of 2026 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 2026 and 2050. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: District of Columbia

Potential cumulative savings through 2050							
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)	Utility bill savings (million 2022\$)
Commercial battery chargers	16	--	--	0.7	0.8	3.1	2.2
Commercial ovens	21	0.3	--	16.1	1.1	21.7	7.7
Gas fireplaces	--	0.1	--	6.2	--	7.2	2.2
Irrigation controllers	--	--	20.8	--	--	--	320.5
Total	37	0.5	21	23	2	32	333

Assuming a compliance date of 2026 for all the recommended standards. While we continue to recommend the adoption of state-level standards for commercial hot-food holding cabinets, we have not estimated savings for these products due to insufficient data on the current market.