

Appliance Standards Awareness Project
2025 State Appliance Standards Recommendations

Savings estimates for: [Hawaii](#)

	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	0.3	--	--	0.2	0.2	0.1	0.9	--	--	0.7	0.7	0.3
Commercial dishwashers	1.3	17	24	2.1	1.2	1.4	3.8	49	68	4.9	2.9	3.7
Commercial fryers	0.1	55	--	2.6	0.1	3.0	0.3	190	--	8.8	0.2	10.1
Commercial ovens	0.8	6	--	1.0	0.7	0.6	2.7	20	--	2.8	2.0	1.8
Commercial steam cookers	0.3	2	6	0.4	0.2	0.2	0.9	8	21	1.0	0.7	0.7
Gas fireplaces	--	--	--	--	--	--	--	--	--	--	--	--
Server power supplies	4.1	--	--	4.0	3.7	1.4	5.9	--	--	4.2	4.4	1.7
Total	7	81	30	10	6	7	14	267	90	22	11	18

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

Savings estimates for: [Hawaii](#)

	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	0.3	2.7	0.8
Commercial dishwashers	1.4	4.5	42.7	0.4
Commercial fryers	1.8	6.6	60.4	0.8
Commercial ovens	0.5	1.6	12.8	1.7
Commercial steam cookers	0.3	1.0	9.6	0.4
Gas fireplaces	--	--	--	--
Server power supplies	1.4	2.1	21.6	0.3
Total	5	16	150	--

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 commercial hot-food holding cabinets and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

Cumulative savings estimates for: [Hawaii](#)

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	17	--	--	12.7	13.1	4.9	5.5
Commercial dishwashers	73	0.9	1.3	96.6	56.0	69.9	86.5
Commercial fryers	5	3.4	--	158.5	3.7	182.2	123.8
Commercial ovens	49	0.4	--	51.8	37.0	32.3	29.8
Commercial steam cookers	16	0.1	0.4	18.2	11.9	12.2	19.0
Gas fireplaces	--	--	--	--	--	--	--
Server power supplies	126	--	--	96.9	99.7	36.4	44.8
Total	286	5	2	435	221	338	309

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