

Appliance Standards Awareness Project

2021 State Appliance Standards Recommendations

Savings estimates for: [Hawaii](#)

	Potential annual savings in 2025				Potential annual savings in 2035			
	Electricity (GWh)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)	Electricity (GWh)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	6.6	10.2	13.9	3.3	23.7	34.9	56.0	11.3
Portable electric spas	3.5	5.5	7.4	1.8	11.3	16.7	26.8	5.4
Total	10	16	21	5	35	52	83	17

Assuming a compliance date of 2023 for all the recommended standards. Totals may not sum due to rounding.

	Potential annual utility bill savings (million 2019\$)		Net present value savings (million 2019\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air purifiers	2.2	8.3	56.5	no cost	0.0
Portable electric spas	1.2	4.0	24.8	13.0	0.5
Total	3	12	81	40.4	--

Assuming a compliance date of 2023 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 2023 and 2035. Totals may not sum due to rounding. The total benefit-cost ratio is calculated as the present value of the total utility bill savings from products sold through 2035 for the package of recommended standards divided by the present value of the total additional costs.

Cumulative savings estimates for: [Hawaii](#)

	Potential cumulative savings through 2035			
	Electricity (GWh)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	202	313.0	476.0	98.4
Portable electric spas	95	147.4	223.9	46.3
Total	296	460	700	145

Assuming a compliance date of 2023 for all the recommended standards. Totals may not sum due to rounding.