

Appliance Standards Awareness Project

2021 State Appliance Standards Recommendations

Savings estimates for: Rhode Island

	Potential annual savings in 2025						Potential annual savings in 2035					
	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 dishwashers	0.4	10	14	0.5	0.03	0.6	2.2	51	71	2.7	0.1	2.9
Commercial fryers	0.1	39	--	1.8	0.01	2.1	0.4	189	--	8.6	0.03	10.1
Commercial hot-food holding cabinets	0.9	--	--	0.1	0.1	0.1	4.4	--	--	0.7	0.3	0.3
Commercial ovens	0.3	3	--	0.2	0.02	0.2	1.5	14	--	0.9	0.1	0.9
Commercial steam cookers	0.6	3	10	0.2	0.04	0.2	2.8	15	47	1.1	0.2	1.0
Electric vehicle supply equipment	0.3	--	--	0.05	0.02	0.03	4.3	--	--	0.7	0.3	0.3
Faucets	2.8	36	119	2.1	0.2	2.2	11.2	142	470	8.2	0.8	8.4
Gas fireplaces	--	3	--	0.1	--	0.2	--	15	--	0.7	--	0.8
Portable electric spas	4.5	--	--	0.7	0.3	0.4	14.4	--	--	2.2	1.0	1.1
Residential ventilating fans	0.8	--	--	0.1	0.1	0.1	3.9	--	--	0.6	0.3	0.3
Showerheads	2.6	32	73	1.9	0.2	1.9	10.2	129	292	7.4	0.7	7.6
Spray sprinkler bodies	--	--	152	--	--	--	--	--	609	--	--	--
Toilets (water closets)	--	--	33	--	--	--	--	--	166	--	--	--
Urinals	--	--	6	--	--	--	--	--	31	--	--	--
Water coolers	1.0	--	--	0.2	0.1	0.1	4.2	--	--	0.6	0.3	0.3
Total	14	127	408	8	1	8	60	555	1,686	34	4	34

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

Savings estimates for: Rhode Island

	Potential annual utility bill savings (million 2019\$)		Net present value savings (million 2019\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Commercial dishwashers	0.4	2.1	12.3	11.3	1.0
Commercial fryers	0.5	2.6	11.1	3.0	3.4
Commercial hot-food holding cabinets	0.2	0.8	3.6	3.1	3.2
Commercial ovens	0.1	0.5	2.8	11.1	0.9
Commercial steam cookers	0.3	1.4	8.1	13.6	0.8
Electric vehicle supply equipment	0.1	1.0	6.8	no cost	0.0
Faucets	2.6	11.3	74.8	no cost	0.0
Gas fireplaces	0.05	0.2	1.6	15.4	0.7
Portable electric spas	1.0	3.3	20.5	13.7	0.5
Residential ventilating fans	0.2	0.9	6.1	no cost	0.0
Showerheads	1.9	8.4	55.5	no cost	0.0
Spray sprinkler bodies	1.8	8.4	50.6	11.7	0.8
Toilets (water closets)	0.4	2.3	20.8	no cost	0.0
Urinals	0.1	0.4	2.7	no cost	0.0
Water coolers	0.2	0.8	5.3	no cost	0.0
Total	10	44	283	18.9	-

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: Rhode Island

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Commercial dishwashers	15	0.3	0.5	18.0	1.0	19.6
Commercial fryers	3	1.3	--	60.4	0.2	70.5
Commercial hot-food holding cabinets	31	--	--	4.9	2.2	2.6
Commercial ovens	11	0.1	--	6.2	0.8	6.1
Commercial steam cookers	19	0.1	0.3	7.8	1.4	7.1
Electric vehicle supply equipment	21	--	--	3.2	1.4	1.5
Faucets	90	1.1	3.8	66.1	6.3	67.5
Gas fireplaces	--	0.1	--	4.7	--	5.6
Portable electric spas	121	--	--	19.3	8.4	9.3
Residential ventilating fans	26	--	--	4.2	1.9	2.0
Showerheads	82	1.0	2.3	59.7	5.7	60.9
Spray sprinkler bodies	--	--	4.9	--	--	--
Toilets (water closets)	--	--	1.1	--	--	--
Urinals	--	--	0.2	--	--	--
Water coolers	33	--	--	5.3	2.3	2.9
Total	451	4	13	260	32	256

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