

States Go First: How States Can Save Consumers Money, Reduce Energy and Water Waste, and Protect the Environment with New Appliance Standards (Full report at <https://appliance-standards.org/document/states-go-first>)

Savings estimates for: **Maine**

	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)
Faucets	12.2	159	520	9.5	0.9	10.6	22.1	284	935	17.4	1.6	19.2
Showerheads	8.7	109	247	6.6	0.6	7.3	15.8	198	450	12.2	1.1	13.5
Lawn spray sprinklers	--	--	--	--	--	--	--	--	--	--	--	--
Toilets	--	--	128	--	--	--	--	--	346	--	--	--
Computers and monitors	33.4	--	--	6.1	2.5	5.9	37.4	--	--	7.5	2.6	7.0
High CRI fluorescent lamps	40.3	--	--	7.4	3.0	7.1	14.0	--	--	2.8	1.0	2.6
Air purifiers	10.2	--	--	1.9	0.8	1.8	16.7	--	--	3.3	1.2	3.1
Pool pump replacement motors	14.1	--	--	2.6	1.0	2.5	0.0	--	--	0.0	0.0	0.0
Commercial fryers	0.2	86	--	3.9	0.01	4.6	0.4	187	--	8.6	0.03	10.0
Commercial dishwashers	0.8	19	26	1.0	0.1	1.1	1.9	45	63	2.4	0.1	2.8
Commercial steam cookers	1.4	8	24	0.6	0.1	0.7	3.1	17	53	1.4	0.2	1.5
Portable air conditioners	11.0	--	--	2.0	0.8	2.0	21.0	--	--	4.2	1.5	3.9
Urinals	--	--	40	--	--	--	--	--	87	--	--	--
Audio/video equipment	6.0	--	--	1.1	0.4	1.1	6.0	--	--	1.2	0.4	1.1
Uninterruptible power supplies	5.6	--	--	1.0	0.4	1.0	6.2	--	--	1.2	0.4	1.2
Telephones	2.7	--	--	0.5	0.2	0.5	2.7	--	--	0.5	0.2	0.5
Water coolers	1.4	--	--	0.3	0.1	0.3	2.6	--	--	0.5	0.2	0.5
Ventilation fans	1.5	--	--	0.3	0.1	0.3	3.3	--	--	0.7	0.2	0.6
Portable electric spas	2.7	--	--	0.5	0.2	0.5	5.0	--	--	1.0	0.4	0.9
Hot food holding cabinets	1.0	--	--	0.2	0.1	0.2	2.1	--	--	0.4	0.1	0.4
Compressors	0.8	--	--	0.1	0.1	0.1	1.8	--	--	0.4	0.1	0.3
Total	154	380	985	46	11	48	162	731	1,934	66	11	69

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Totals may not sum due to rounding. Potential savings for pool pump replacement motors are zero in 2035 because we assume that the recommended standard would affect just seven years of product sales beginning in 2021.

	Potential annual utility bill savings (million 2016\$)		Net present value savings (million 2016\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Faucets	10.4	21.2	157.4	no cost	0.0
Showerheads	6.0	12.2	90.7	no cost	0.0
Lawn spray sprinklers	--	--	--	--	--
Toilets	1.5	4.5	39.8	no cost	0.0
Computers and monitors	4.4	5.5	27.0	2.6	2.1
High CRI fluorescent lamps	5.0	1.9	17.7	2.0	2.7
Air purifiers	1.4	2.7	13.1	2.9	3.0
Pool pump replacement motors	2.0	0.0	11.2	8.4	0.8
Commercial fryers	1.3	3.0	16.3	3.8	2.6
Commercial dishwashers	0.7	1.8	11.6	11.7	1.0
Commercial steam cookers	0.6	1.4	9.1	12.6	0.8
Portable air conditioners	1.6	3.3	17.8	3.6	2.7
Urinals	0.5	1.1	8.1	no cost	0.0
Audio/video equipment	0.9	1.0	7.7	no cost	0.0
Uninterruptible power supplies	0.7	0.9	4.7	3.2	1.9
Telephones	0.3	0.4	3.1	no cost	0.0
Water coolers	0.2	0.3	2.6	no cost	0.0
Ventilation fans	0.2	0.5	3.8	no cost	0.0
Portable electric spas	0.4	0.8	5.9	no cost	0.0
Hot food holding cabinets	0.1	0.3	1.5	4.1	2.5
Compressors	0.1	0.2	1.3	5.1	2.0
Total	38	63	450	8.5	-

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between 2020 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 21 recommended standards divided by the present value of the total additional costs.

Cumulative savings estimates for: **Maine**

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Faucets	243	3.1	10.3	191.0	17.3	211.9
Showerheads	173	2.2	4.9	133.6	12.4	148.1
Lawn spray sprinklers	--	--	--	--	--	--
Toilets	--	--	2.9	--	--	--
Computers and monitors	483	--	--	94.6	34.6	90.2
High CRI fluorescent lamps	425	--	--	81.7	31.2	82.7
Air purifiers	192	--	--	37.8	13.7	35.6
Pool pump replacement motors	142	--	--	27.5	10.2	26.3
Commercial fryers	4	1.9	--	85.8	0.3	99.9
Commercial dishwashers	18	0.4	0.6	22.8	1.3	25.9
Commercial steam cookers	31	0.2	0.5	13.8	2.2	14.8
Portable air conditioners	226	--	--	44.7	16.1	42.0
Urinals	--	--	0.9	--	--	--
Audio/video equipment	80	--	--	15.6	5.7	14.7
Uninterruptible power supplies	81	--	--	15.8	5.8	15.2
Telephones	36	--	--	7.0	2.6	6.7
Water coolers	29	--	--	5.7	2.1	5.4
Ventilation fans	33	--	--	6.5	2.3	6.1
Portable electric spas	55	--	--	10.8	3.9	10.2
Hot food holding cabinets	21	--	--	4.1	1.5	3.9
Compressors	17	--	--	3.4	1.2	3.2
Total	2,289	8	20	802	164	843

Assuming a compliance date of 2020 for almost all of the recommended standards. Products are listed in order of potential national net present value savings. Totals may not sum due to rounding.