

Appliance Standards Awareness Project

2021 State Appliance Standards Recommendations

Savings estimates for: [New Jersey](#)

	Potential annual savings in 2026						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)
Air purifiers	64.9	--	--	4.9	13.8	18.8	166.8	--	--	12.8	35.8	43.6
Commercial dishwashers	5.1	121	168	5.9	1.1	8.1	18.1	431	600	20.9	3.9	27.6
Commercial fryers	1.1	464	--	21.1	0.2	25.0	3.6	1,591	--	72.4	0.8	85.4
Commercial hot-food holding cabinets	10.9	--	--	0.8	2.3	3.7	37.3	--	--	2.9	8.0	9.6
Commercial ovens	3.8	34	--	1.8	0.8	3.1	13.1	118	--	6.3	2.8	9.6
Commercial steam cookers	6.8	36	116	2.2	1.5	4.2	23.4	124	398	7.4	5.0	12.6
Electric vehicle supply equipment	3.4	--	--	0.3	0.7	1.0	33.7	--	--	2.6	7.3	8.8
Faucets	14.5	531	1,424	25.2	3.1	32.4	41.5	1,502	4,035	71.3	8.9	90.6
General service lamps (state-regulated)	54.2	--	--	4.1	11.5	15.7	83.2	--	--	6.4	17.9	21.7
High CRI fluorescent lamps	56.0	--	--	4.3	11.9	18.7	24.9	--	--	1.9	5.4	6.4
Portable electric spas	36.4	--	--	2.8	7.7	10.6	87.3	--	--	6.7	18.8	22.8
Residential ventilating fans	8.6	--	--	0.7	1.8	2.5	30.6	--	--	2.4	6.6	8.0
Showerheads	13.2	476	875	22.6	2.8	29.1	37.8	1,360	2,501	64.6	8.1	82.1
Spray sprinkler bodies	--	--	2,838	--	--	--	--	--	8,109	--	--	--
Toilets (water closets)	--	--	400	--	--	--	--	--	1,415	--	--	--
Urinals	--	--	76	--	--	--	--	--	262	--	--	--
Water coolers	15.3	--	--	1.2	3.2	5.1	43.7	--	--	3.4	9.4	11.2
Total	294	1,662	5,898	98	62	178	645	5,126	17,320	282	139	440

Assuming a compliance date of 2023 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.

Savings estimates for: [New Jersey](#)

	Potential annual utility bill savings (million 2019\$)		Net present value savings (million 2019\$)	Benefit-cost ratio	Payback period (years)
	In 2026	In 2035			
Air purifiers	11.3	30.7	207.4	no cost	0.0
Commercial dishwashers	3.6	14.1	81.4	9.1	1.2
Commercial fryers	3.8	12.8	36.8	1.8	5.1
Commercial hot-food holding cabinets	1.4	4.9	16.7	2.1	4.8
Commercial ovens	0.7	2.6	14.5	7.3	1.4
Commercial steam cookers	2.6	9.6	55.5	11.2	0.9
Electric vehicle supply equipment	0.6	6.2	43.0	no cost	0.0
Faucets	24.2	76.0	501.2	no cost	0.0
General service lamps (state-regulated)	9.4	15.3	158.7	no cost**	0.4
High CRI fluorescent lamps	7.1	3.6	36.0	2.9	2.2
Portable electric spas	6.3	16.0	97.7	10.5	0.7
Residential ventilating fans	1.5	5.6	38.3	no cost	0.0
Showerheads	16.9	52.9	349.1	no cost	0.0
Spray sprinkler bodies	34.7	112.5	674.5	11.7	0.8
Toilets (water closets)	4.9	19.6	178.2	no cost	0.0
Urinals	0.9	3.6	23.0	no cost	0.0
Water coolers	1.9	5.8	38.3	no cost	0.0
Total	132	392	2,550	16.3	–

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. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.

**While LEDs are generally more expensive to purchase than incandescent light bulbs, the significantly longer lifetime of LEDs means that over time, consumers actually save money on bulbs in addition to saving money on electricity bills.

Cumulative savings estimates for: [New Jersey](#)

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air purifiers	1,418	--	--	108.0	306.4	385.1
Commercial dishwashers	123	2.9	4.1	141.4	26.5	189.7
Commercial fryers	25	11.1	--	506.6	5.5	598.7
Commercial hot-food holding cabinets	261	--	--	19.9	56.4	74.4
Commercial ovens	91	0.8	--	44.3	19.8	69.8
Commercial steam cookers	164	0.9	2.8	52.0	35.4	93.0
Electric vehicle supply equipment	161	--	--	12.2	34.7	43.0
Faucets	332	12.0	32.3	571.0	71.7	729.7
General service lamps (state- regulated)	813	--	--	62.3	175.1	224.8
High CRI fluorescent lamps	595	--	--	45.7	128.0	181.2
Portable electric spas	730	--	--	55.7	157.6	198.7
Residential ventilating fans	207	--	--	15.8	44.8	56.1
Showerheads	302	10.9	20.0	516.3	65.3	660.1
Spray sprinkler bodies	--	--	64.9	--	--	--
Toilets (water closets)	--	--	9.6	--	--	--
Urinals	--	--	1.8	--	--	--
Water coolers	350	--	--	26.7	75.6	100.2
Total	5,572	39	136	2,178	1,203	3,604

Assuming a compliance date of 2023 for all the recommended standards. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.