

**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: Nevada**

	Potential annual savings in 2025						Potential annual savings in 2035					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)
Faucets	19.5	370	1,106	24.2	2.0	25.7	35.4	663	1,987	42.9	3.5	45.8
Showerheads	13.9	255	526	16.9	1.4	17.9	25.3	464	956	30.2	2.5	32.2
Lawn spray sprinklers	--	--	2,323	--	--	--	--	--	3,801	--	--	--
Toilets	--	--	273	--	--	--	--	--	739	--	--	--
Computers and monitors	62.1	--	--	23.4	6.4	20.0	69.5	--	--	24.9	6.8	20.7
High CRI fluorescent lamps	66.8	--	--	25.2	6.9	22.3	23.7	--	--	8.5	2.3	7.1
Air purifiers	18.7	--	--	7.1	1.9	5.8	30.6	--	--	11.0	3.0	9.2
Pool pump replacement motors	21.3	--	--	8.0	2.2	6.6	0.0	--	--	0.0	0.0	0.0
Commercial fryers	0.4	189	--	8.8	0.04	10.2	0.9	412	--	19.1	0.1	22.2
Commercial dishwashers	1.7	41	58	2.5	0.2	2.8	4.2	100	139	6.1	0.4	6.6
Commercial steam cookers	3.2	17	54	2.0	0.3	2.0	6.9	37	118	4.2	0.7	4.0
Portable air conditioners	3.0	--	--	1.1	0.3	0.9	5.7	--	--	2.0	0.6	1.7
Urinals	--	--	88	--	--	--	--	--	191	--	--	--
Audio/video equipment	11.0	--	--	4.2	1.1	3.4	11.0	--	--	3.9	1.1	3.3
Uninterruptible power supplies	10.6	--	--	4.0	1.1	3.5	11.7	--	--	4.2	1.2	3.5
Telephones	5.8	--	--	2.2	0.6	1.9	5.8	--	--	2.1	0.6	1.7
Water coolers	3.5	--	--	1.3	0.4	1.2	6.3	--	--	2.3	0.6	1.9
Ventilation fans	2.8	--	--	1.0	0.3	0.9	6.1	--	--	2.2	0.6	1.8
Portable electric spas	4.3	--	--	1.6	0.4	1.3	7.8	--	--	2.8	0.8	2.3
Hot food holding cabinets	2.1	--	--	0.8	0.2	0.7	4.6	--	--	1.7	0.5	1.4
Compressors	3.3	--	--	1.2	0.3	1.1	7.8	--	--	2.8	0.8	2.3
<b>Total</b>	<b>254</b>	<b>872</b>	<b>4,427</b>	<b>135</b>	<b>26</b>	<b>128</b>	<b>263</b>	<b>1,675</b>	<b>7,932</b>	<b>171</b>	<b>26</b>	<b>168</b>

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	19.6	39.6	295.5	no cost	0.0
Showerheads	11.0	22.3	166.7	no cost	0.0
Lawn spray sprinklers	25.5	48.1	314.9	7.9	1.1
Toilets	3.0	9.3	81.9	no cost	0.0
Computers and monitors	6.9	8.0	35.4	2.2	2.4
High CRI fluorescent lamps	6.3	2.4	14.5	1.5	3.5
Air purifiers	2.5	4.3	20.5	2.6	3.1
Pool pump replacement motors	2.8	0.0	15.3	7.7	0.8
Commercial fryers	1.9	4.4	19.4	2.5	4.0
Commercial dishwashers	1.2	3.2	20.1	9.5	1.2
Commercial steam cookers	1.0	2.5	16.4	10.4	1.0
Portable air conditioners	0.4	0.8	4.1	3.3	2.8
Urinals	1.0	2.4	17.3	no cost	0.0
Audio/video equipment	1.5	1.5	12.8	no cost	0.0
Uninterruptible power supplies	1.0	1.1	5.5	2.3	2.4
Telephones	0.6	0.6	5.3	no cost	0.0
Water coolers	0.3	0.6	4.4	no cost	0.0
Ventilation fans	0.4	0.9	6.2	no cost	0.0
Portable electric spas	0.6	1.1	8.3	no cost	0.0
Hot food holding cabinets	0.2	0.4	2.0	2.9	3.3
Compressors	0.2	0.5	2.5	2.9	3.6
<b>Total</b>	<b>88</b>	<b>154</b>	<b>1,069</b>	<b>8.3</b>	<b>-</b>

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: Nevada

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thous. MT)
Faucets	389	7.3	22.0	477.3	39.0	508.4
Showerheads	278	5.1	10.5	334.7	27.8	356.0
Lawn spray sprinklers	--	--	43.7	--	--	--
Toilets	--	--	6.3	--	--	--
Computers and monitors	899	--	--	333.7	90.9	283.0
High CRI fluorescent lamps	706	--	--	270.4	74.3	239.7
Air purifiers	352	--	--	130.0	35.4	107.8
Pool pump replacement motors	215	--	--	80.6	22.0	66.6
Commercial fryers	9	4.1	--	191.1	0.9	221.9
Commercial dishwashers	39	0.9	1.3	57.1	3.9	62.2
Commercial steam cookers	69	0.4	1.2	42.2	6.9	41.5
Portable air conditioners	61	--	--	22.5	6.1	18.7
Urinals	--	--	1.9	--	--	--
Audio/video equipment	146	--	--	54.5	14.9	45.1
Uninterruptible power supplies	152	--	--	56.3	15.3	48.6
Telephones	78	--	--	28.9	7.9	24.7
Water coolers	69	--	--	25.5	6.9	21.9
Ventilation fans	61	--	--	22.3	6.1	18.5
Portable electric spas	86	--	--	31.5	8.6	26.2
Hot food holding cabinets	46	--	--	16.9	4.6	14.6
Compressors	74	--	--	27.1	7.4	23.3
<b>Total</b>	<b>3,731</b>	<b>18</b>	<b>87</b>	<b>2,203</b>	<b>379</b>	<b>2,129</b>

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.