

## Appliance Standards Awareness Project

### 2019 State Appliance Standards Recommendations

#### Savings estimates for: **Nebraska**

	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)
Air compressors	2.2	--	--	1.2	0.6	1.1	6.5	--	--	3.8	1.8	3.3
Air purifiers	9.4	--	--	5.2	2.5	4.8	18.8	--	--	11.0	5.1	9.6
Commercial dishwashers	1.0	23	32	1.6	0.3	1.7	2.9	68	94	4.8	0.8	5.1
Commercial fryers	0.2	87	--	4.0	0.04	4.7	0.4	232	--	10.8	0.1	12.5
Commercial hot-food holding cabinets	1.0	--	--	0.6	0.3	0.5	2.7	--	--	1.6	0.7	1.4
Commercial steam cookers	1.7	9	29	1.4	0.5	1.3	4.6	24	78	3.8	1.2	3.6
Computers and computer monitors	41.3	--	--	23.0	11.2	20.2	51.8	--	--	30.2	14.1	26.5
Faucets	8.2	161	477	11.9	2.2	12.7	18.2	353	1,052	26.7	5.0	28.1
High CRI fluorescent lamps	18.6	--	--	10.4	5.0	8.9	5.5	--	--	3.2	1.5	2.8
Portable air conditioners	2.5	--	--	1.4	0.7	1.3	7.6	--	--	4.4	2.1	3.9
Portable electric spas	1.3	--	--	0.7	0.3	0.7	2.8	--	--	1.7	0.8	1.5
Residential ventilating fans	1.2	--	--	0.6	0.3	0.6	2.6	--	--	1.5	0.7	1.3
Showerheads	5.8	111	227	8.3	1.6	8.9	12.9	247	505	18.8	3.5	19.7
Spray sprinkler bodies	--	--	612	--	--	--	--	--	1,224	--	--	--
Toilets (water closets)	--	--	127	--	--	--	--	--	399	--	--	--
Uninterruptible power supplies	7.9	--	--	4.4	2.1	3.8	10.7	--	--	6.2	2.9	5.4
Urinals	--	--	17	--	--	--	--	--	46	--	--	--
Water coolers	2.4	--	--	1.3	0.6	1.1	5.2	--	--	3.1	1.4	2.7
<b>Total</b>	<b>105</b>	<b>391</b>	<b>1,522</b>	<b>76</b>	<b>28</b>	<b>72</b>	<b>153</b>	<b>925</b>	<b>3,397</b>	<b>131</b>	<b>42</b>	<b>127</b>

Assuming a compliance date of 2021 for almost all the recommended standards. Totals may not sum due to rounding.

	Potential annual utility bill savings (million 2017\$)		Net present value savings (million 2017\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air compressors	0.2	0.5	2.3	3.2	3.0
Air purifiers	1.1	2.3	9.6	2.3	3.3
Commercial dishwashers	0.6	2.0	11.8	8.5	1.3
Commercial fryers	0.7	1.8	5.3	1.7	5.3
Commercial hot-food holding cabinets	0.1	0.2	1.1	2.7	3.2
Commercial steam cookers	0.5	1.6	9.8	9.7	1.0
Computers and computer monitors	4.1	5.4	21.0	1.9	2.5
Faucets	7.8	19.1	137.7	no cost	0.0
High CRI fluorescent lamps	1.7	0.6	7.0	2.6	2.7
Portable air conditioners	0.3	0.9	4.0	2.8	3.0
Portable electric spas	0.1	0.4	2.5	no cost	0.0
Residential ventilating fans	0.1	0.3	2.3	no cost	0.0
Showerheads	4.3	10.5	75.7	no cost	0.0
Spray sprinkler bodies	6.7	15.4	97.6	7.8	1.1
Toilets (water closets)	1.4	5.0	45.0	no cost	0.0
Uninterruptible power supplies	0.7	1.0	4.3	2.2	2.4
Urinals	0.2	0.6	4.0	no cost	0.0
Water coolers	0.2	0.5	3.4	no cost	0.0
<b>Total</b>	<b>31</b>	<b>68</b>	<b>444</b>	<b>7.7</b>	<b>-</b>

Assuming a compliance date of 2021 for almost 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 2021 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: **Nebraska**

	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)
Air compressors	55	--	--	31.4	15.1	28.0
Air purifiers	197	--	--	112.8	54.3	100.7
Commercial dishwashers	24	0.6	0.8	39.6	6.6	42.4
Commercial fryers	4	2.1	--	97.2	1.0	112.8
Commercial hot-food holding cabinets	25	--	--	14.0	6.7	12.5
Commercial steam cookers	41	0.2	0.7	33.5	11.3	32.5
Computers and computer monitors	627	--	--	357.7	172.4	319.4
Faucets	182	3.5	10.5	265.6	50.1	281.2
High CRI fluorescent lamps	185	--	--	104.4	50.8	94.1
Portable air conditioners	67	--	--	38.3	18.4	34.1
Portable electric spas	28	--	--	16.3	7.8	14.5
Residential ventilating fans	26	--	--	14.7	7.1	13.1
Showerheads	129	2.5	5.0	186.3	35.4	197.1
Spray sprinkler bodies	--	--	12.9	--	--	--
Toilets (water closets)	--	--	3.2	--	--	--
Uninterruptible power supplies	128	--	--	72.9	35.1	65.0
Urinals	--	--	0.4	--	--	--
Water coolers	52	--	--	30.0	14.4	26.7
<b>Total</b>	<b>1,770</b>	<b>9</b>	<b>34</b>	<b>1,415</b>	<b>487</b>	<b>1,374</b>

Assuming a compliance date of 2021 for almost all the recommended standards. Totals may not sum due to rounding.