

## Appliance Standards Awareness Project

### 2019 State Appliance Standards Recommendations

#### Savings estimates for: **New Hampshire**

	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	0.4	--	--	0.1	0.03	0.1	1.1	--	--	0.2	0.1	0.3
Air purifiers	6.6	--	--	1.1	0.5	1.4	13.2	--	--	2.8	1.3	3.2
Commercial dishwashers	0.7	16	22	0.9	0.1	1.0	2.0	47	66	2.6	0.2	3.0
Commercial fryers	0.1	61	--	2.8	0.01	3.3	0.3	162	--	7.4	0.03	8.7
Commercial steam cookers	1.2	6	20	0.5	0.1	0.6	3.2	17	54	1.4	0.3	1.7
Computers and computer monitors	27.9	--	--	4.8	2.3	6.0	35.0	--	--	7.4	3.3	8.7
Faucets	7.9	102	336	6.0	0.7	7.1	17.6	224	739	13.9	1.7	16.2
High CRI fluorescent lamps	11.1	--	--	1.9	0.9	2.4	3.5	--	--	0.7	0.3	0.9
Portable air conditioners	6.7	--	--	1.2	0.6	1.5	20.2	--	--	4.2	1.9	5.0
Portable electric spas	2.0	--	--	0.4	0.2	0.4	4.5	--	--	1.0	0.4	1.1
Residential ventilating fans	0.8	--	--	0.1	0.1	0.2	1.8	--	--	0.4	0.2	0.4
Showerheads	5.6	70	160	4.2	0.5	4.9	12.4	157	355	9.7	1.2	11.4
Spray sprinkler bodies	--	--	142	--	--	--	--	--	283	--	--	--
Toilets (water closets)	--	--	90	--	--	--	--	--	280	--	--	--
Uninterruptible power supplies	5.2	--	--	0.9	0.4	1.1	7.0	--	--	1.5	0.7	1.8
Urinals	--	--	12	--	--	--	--	--	32	--	--	--
Water coolers	1.1	--	--	0.2	0.1	0.2	2.5	--	--	0.5	0.2	0.6
<b>Total</b>	<b>77</b>	<b>256</b>	<b>781</b>	<b>25</b>	<b>6</b>	<b>30</b>	<b>124</b>	<b>607</b>	<b>1,810</b>	<b>54</b>	<b>12</b>	<b>63</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	0.1	0.1	0.8	5.4	1.8
Air purifiers	1.5	3.2	18.4	4.5	1.8
Commercial dishwashers	0.6	2.0	12.5	12.3	0.9
Commercial fryers	1.0	2.6	13.0	3.6	2.5
Commercial steam cookers	0.5	1.6	10.1	13.9	0.7
Computers and computer monitors	5.5	7.3	42.9	3.8	1.4
Faucets	7.3	17.9	129.5	no cost	0.0
High CRI fluorescent lamps	2.0	0.7	11.0	5.0	1.5
Portable air conditioners	1.5	4.9	26.5	5.6	1.6
Portable electric spas	0.5	1.1	8.0	no cost	0.0
Residential ventilating fans	0.2	0.4	3.2	no cost	0.0
Showerheads	4.3	10.4	75.3	no cost	0.0
Spray sprinkler bodies	1.6	3.8	24.0	8.2	1.0
Toilets (water closets)	1.0	3.7	33.3	no cost	0.0
Uninterruptible power supplies	0.9	1.3	8.0	4.4	1.3
Urinals	0.1	0.4	2.9	no cost	0.0
Water coolers	0.2	0.4	3.2	no cost	0.0
<b>Total</b>	<b>29</b>	<b>62</b>	<b>423</b>	<b>11.1</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: [New Hampshire](#)

	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	10	--	--	1.9	0.9	2.2
Air purifiers	139	--	--	27.1	12.3	32.2
Commercial dishwashers	17	0.4	0.6	21.4	1.5	24.9
Commercial fryers	3	1.5	--	67.0	0.2	78.1
Commercial steam cookers	29	0.2	0.5	12.6	2.6	14.6
Computers and computer monitors	424	--	--	81.8	37.2	95.8
Faucets	176	2.2	7.4	136.8	15.6	160.2
High CRI fluorescent lamps	111	--	--	20.7	9.6	24.5
Portable air conditioners	177	--	--	35.1	15.8	41.6
Portable electric spas	45	--	--	8.9	4.0	10.6
Residential ventilating fans	18	--	--	3.5	1.6	4.2
Showerheads	124	1.6	3.5	95.7	11.0	112.1
Spray sprinkler bodies	--	--	3.0	--	--	--
Toilets (water closets)	--	--	2.2	--	--	--
Uninterruptible power supplies	84	--	--	16.3	7.4	18.8
Urinals	--	--	0.3	--	--	--
Water coolers	25	--	--	4.9	2.2	5.5
<b>Total</b>	<b>1,382</b>	<b>6</b>	<b>17</b>	<b>534</b>	<b>122</b>	<b>625</b>

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