

## Appliance Standards Awareness Project

### 2019 State Appliance Standards Recommendations

#### Savings estimates for: **New York**

	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	3.8	--	--	0.6	0.3	1.3	11.0	--	--	1.8	0.9	3.6
Air purifiers	92.0	--	--	14.0	8.1	31.5	184.1	--	--	30.6	14.6	59.9
Commercial dishwashers	10.0	238	332	12.4	0.9	16.2	29.5	701	977	36.9	2.3	46.9
Commercial fryers	1.6	899	--	41.2	0.1	48.3	4.4	2,396	--	109.9	0.3	128.7
Commercial hot-food holding cabinets	10.6	--	--	1.6	0.9	3.7	28.1	--	--	4.7	2.2	9.2
Commercial steam cookers	17.7	94	301	7.0	1.6	11.2	47.2	251	801	19.3	3.7	28.7
Computers and computer monitors	508.2	--	--	77.2	45.0	177.0	638.6	--	--	106.1	50.7	207.8
Faucets	69.2	1,760	4,979	90.7	6.1	117.2	153.8	3,871	10,970	201.9	12.2	255.7
High CRI fluorescent lamps	215.6	--	--	32.8	19.1	75.7	60.2	--	--	10.0	4.8	19.6
Portable air conditioners	101.9	--	--	15.5	9.0	34.9	305.8	--	--	50.8	24.3	99.5
Portable electric spas	10.1	--	--	1.5	0.9	3.5	22.5	--	--	3.7	1.8	7.3
Residential ventilating fans	11.3	--	--	1.7	1.0	3.9	25.1	--	--	4.2	2.0	8.2
Showerheads	48.9	1,221	2,370	63.0	4.3	81.6	108.7	2,713	5,266	141.6	8.6	179.5
Spray sprinkler bodies	--	--	3,667	--	--	--	--	--	7,335	--	--	--
Toilets (water closets)	--	--	1,328	--	--	--	--	--	4,153	--	--	--
Uninterruptible power supplies	109.3	--	--	16.6	9.7	38.3	148.0	--	--	24.6	11.8	48.2
Urinals	--	--	177	--	--	--	--	--	473	--	--	--
Water coolers	19.1	--	--	2.9	1.7	6.7	42.5	--	--	7.1	3.4	13.8
<b>Total</b>	<b>1,229</b>	<b>4,212</b>	<b>13,154</b>	<b>379</b>	<b>109</b>	<b>651</b>	<b>1,810</b>	<b>9,933</b>	<b>29,974</b>	<b>753</b>	<b>144</b>	<b>1,116</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	0.3	0.9	4.2	3.3	3.2
Air purifiers	20.9	45.1	259.3	4.5	1.9
Commercial dishwashers	7.5	24.3	149.3	10.1	1.1
Commercial fryers	7.9	21.5	72.4	2.0	4.8
Commercial hot-food holding cabinets	1.7	5.0	28.5	5.4	1.9
Commercial steam cookers	7.1	21.2	135.9	12.7	0.8
Computers and computer monitors	94.2	128.6	737.8	3.7	1.5
Faucets	98.2	240.8	1736.2	no cost	0.0
High CRI fluorescent lamps	35.9	12.1	198.4	5.0	1.5
Portable air conditioners	23.1	74.9	404.1	5.6	1.7
Portable electric spas	2.3	5.5	40.0	no cost	0.0
Residential ventilating fans	2.6	6.2	44.6	no cost	0.0
Showerheads	55.9	136.9	988.7	no cost	0.0
Spray sprinkler bodies	42.4	97.7	621.9	8.2	1.0
Toilets (water closets)	15.4	55.3	494.5	no cost	0.0
Uninterruptible power supplies	18.3	27.0	161.8	4.2	1.4
Urinals	2.0	6.3	43.4	no cost	0.0
Water coolers	3.1	7.5	54.8	no cost	0.0
<b>Total</b>	<b>439</b>	<b>917</b>	<b>6,176</b>	<b>9.4</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 York**

	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	93	--	--	15.0	7.7	31.4
Air purifiers	1,933	--	--	309.8	160.8	644.0
Commercial dishwashers	247	5.9	8.2	307.6	20.5	395.6
Commercial fryers	39	21.6	--	988.6	3.2	1,158.9
Commercial hot-food holding cabinets	253	--	--	40.8	21.0	85.4
Commercial steam cookers	425	2.3	7.2	171.1	35.1	263.0
Computers and computer monitors	7,729	--	--	1,233.2	649.7	2,605.4
Faucets	1,538	38.8	110.0	2,015.2	127.6	2,574.4
High CRI fluorescent lamps	2,124	--	--	334.5	185.1	721.6
Portable air conditioners	2,680	--	--	431.9	220.4	888.9
Portable electric spas	225	--	--	36.2	18.7	75.0
Residential ventilating fans	251	--	--	40.3	20.9	83.6
Showerheads	1,087	27.1	52.7	1,410.0	90.2	1,802.8
Spray sprinkler bodies	--	--	77.0	--	--	--
Toilets (water closets)	--	--	33.0	--	--	--
Uninterruptible power supplies	1,769	--	--	282.4	148.5	598.4
Urinals	--	--	4.3	--	--	--
Water coolers	425	--	--	68.3	35.3	143.6
<b>Total</b>	<b>20,819</b>	<b>96</b>	<b>292</b>	<b>7,685</b>	<b>1,745</b>	<b>12,072</b>

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