

Appliance Standards Awareness Project  
 2020 State Appliance Standards Recommendations

Savings estimates for: Washington

	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 purifiers	59.0	--	--	14.7	4.3	14.5	151.7	--	--	31.5	8.3	30.7
Commercial hot-food holding cabinets	5.1	--	--	1.3	0.4	1.2	17.4	--	--	3.6	1.0	3.6
Commercial ovens	2.2	20	--	1.5	0.2	1.6	7.7	69	--	4.7	0.4	5.2
Electric vehicle supply equipment	2.4	--	--	0.6	0.2	0.6	29.7	--	--	6.2	1.6	6.0
Portable electric spas	47.8	--	--	11.9	3.5	11.8	114.3	--	--	23.7	6.3	23.2
Residential ventilating fans	1.1	--	--	0.3	0.1	0.3	3.0	--	--	0.6	0.2	0.6
<b>Total</b>	<b>118</b>	<b>20</b>	<b>--</b>	<b>30</b>	<b>9</b>	<b>30</b>	<b>324</b>	<b>69</b>	<b>--</b>	<b>70</b>	<b>18</b>	<b>69</b>

Assuming a compliance date of 2022 for all the recommended standards. Totals may not sum due to rounding.

	Potential annual utility bill savings (million 2018\$)		Net present value savings (million 2018\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air purifiers	5.2	15.3	106.2	no cost	0.0
Commercial hot-food holding cabinets	0.4	1.2	1.2	1.2	7.7
Commercial ovens	0.4	1.4	8.0	6.7	1.6
Electric vehicle supply equipment	0.2	3.0	20.4	no cost	0.0
Portable electric spas	4.2	11.5	66.9	6.2	1.2
Residential ventilating fans	0.1	0.3	2.1	no cost	0.0
<b>Total</b>	<b>10</b>	<b>33</b>	<b>205</b>	<b>10.6</b>	<b>-</b>

Assuming a compliance date of 2022 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 2022 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: [Washington](#)

	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 purifiers	1,441	--	--	318.5	84.9	309.9
Commercial hot-food holding cabinets	139	--	--	30.6	8.2	31.2
Commercial ovens	61	0.6	--	38.6	3.6	43.1
Electric vehicle supply equipment	146	--	--	31.4	8.4	30.6
Portable electric spas	1,071	--	--	236.8	63.3	230.5
Residential ventilating fans	27	--	--	6.0	1.6	5.9
<b>Total</b>	<b>2,886</b>	<b>0.6</b>	<b>-</b>	<b>662</b>	<b>170</b>	<b>651</b>

Assuming a compliance date of 2022 for all the recommended standards. Totals may not sum due to rounding.