

## Appliance Standards Awareness Project

### 2025 State Appliance Standards Recommendations

#### Savings estimates for: **Kentucky**

	Potential annual savings in 2030						Potential annual savings in 2040					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thousand metric tons)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thousand metric tons)
Commercial battery chargers	2.1	--	--	0.2	0.3	0.6	7.7	--	--	0.3	0.9	1.6
Commercial dishwashers	4.2	54	75	2.8	0.7	4.2	12.1	155	215	7.5	1.4	10.8
Commercial fryers	0.2	175	--	7.9	0.04	9.3	0.9	599	--	27.2	0.1	31.9
Commercial ovens	2.5	18	--	1.0	0.4	1.7	8.5	62	--	3.1	1.0	5.1
Commercial steam cookers	0.8	8	20	0.4	0.1	0.6	2.7	26	67	1.3	0.3	2.0
Faucets	29.4	74	629	5.9	4.9	13.0	84.0	211	1,795	12.7	9.5	29.1
Gas fireplaces	--	68	--	3.1	--	3.6	--	260	--	11.8	--	13.8
High CRI fluorescent lamps	11.4	--	--	1.0	1.9	3.5	6.0	--	--	0.2	0.7	1.3
Portable electric spas	34.2	--	--	2.9	5.7	10.5	85.4	--	--	3.3	9.7	18.3
Residential ventilating fans	1.3	--	--	0.1	0.2	0.4	4.8	--	--	0.2	0.5	1.0
Server power supplies	14.8	--	--	1.3	2.5	4.6	21.1	--	--	0.8	2.4	4.5
Showerheads	21.9	55	321	4.4	3.6	9.7	62.7	157	916	9.5	7.1	21.7
Spray sprinkler bodies	--	--	568	--	--	--	--	--	1,623	--	--	--
Toilets (water closets)	--	--	157	--	--	--	--	--	585	--	--	--
Urinals	--	--	29	--	--	--	--	--	99	--	--	--
Water coolers	10.8	--	--	0.9	1.8	3.3	31.0	--	--	1.2	3.5	6.6
<b>Total</b>	<b>134</b>	<b>451</b>	<b>1,798</b>	<b>32</b>	<b>22</b>	<b>65</b>	<b>327</b>	<b>1,469</b>	<b>5,300</b>	<b>79</b>	<b>37</b>	<b>148</b>

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

## Savings estimates for: [Kentucky](#)

	Potential annual utility bill savings (million 2023\$)		Net present value savings (million 2023\$)	Payback period (years)
	In 2030	In 2040		
Commercial battery chargers	0.1	0.5	2.8	4.1
Commercial dishwashers	2.1	6.8	59.5	1.0
Commercial fryers	1.8	6.9	48.8	2.4
Commercial ovens	0.4	1.5	5.4	6.0
Commercial steam cookers	0.5	1.8	15.4	0.8
Faucets	13.8	44.7	441.2	0.0
Gas fireplaces	0.9	3.8	34.1	1.0
High CRI fluorescent lamps	1.1	0.6	6.3	2.1
Portable electric spas	3.7	9.9	87.3	0.9
Residential ventilating fans	0.1	0.6	5.5	0.0
Server power supplies	1.4	2.1	17.2	1.0
Showerheads	8.0	25.8	254.6	0.0
Spray sprinkler bodies	8.7	28.8	261.6	0.8
Toilets (water closets)	2.4	10.4	130.2	0.0
Urinals	0.4	1.8	16.9	0.0
Water coolers	1.0	3.0	29.4	0.0
<b>Total</b>	<b>46</b>	<b>149</b>	<b>1,416</b>	<b>-</b>

Assuming a compliance date of 2027 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 2027 and 2050. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

## Cumulative savings estimates for: Kentucky

	Potential cumulative savings through 2050						
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO <sub>x</sub> (tons)	SO <sub>2</sub> (tons)	CO <sub>2</sub> (thousand metric tons)	Utility bill savings (million 2023\$)
Commercial battery chargers	142	--	--	6.1	16.7	31.2	8.6
Commercial dishwashers	230	2.9	4.1	143.4	27.5	206.8	128.4
Commercial fryers	15	10.8	--	489.2	1.8	573.7	122.5
Commercial ovens	153	1.1	--	56.8	18.2	92.6	27.2
Commercial steam cookers	49	0.5	1.2	23.3	5.8	35.7	31.7
Faucets	1,595	4.0	34.1	251.9	190.9	568.2	852.4
Gas fireplaces	--	4.8	--	216.5	--	252.7	69.0
High CRI fluorescent lamps	166	--	--	9.4	23.1	41.8	16.3
Portable electric spas	1,676	--	--	74.9	201.9	376.3	192.5
Residential ventilating fans	88	--	--	3.8	10.4	19.5	10.2
Server power supplies	455	--	--	21.5	56.5	104.6	43.6
Showerheads	1,191	3.0	17.4	187.7	142.5	423.8	491.7
Spray sprinkler bodies	--	--	30.8	--	--	--	552.6
Toilets (water closets)	--	--	12.0	--	--	--	218.1
Urinals	--	--	1.8	--	--	--	32.2
Water coolers	588	--	--	25.9	70.4	131.4	56.6
<b>Total</b>	<b>6,348</b>	<b>27</b>	<b>101</b>	<b>1,510</b>	<b>766</b>	<b>2,858</b>	<b>2,854</b>

Assuming a compliance date of 2027 for all the recommended standards. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.