

## Appliance Standards Awareness Project

### 2025 State Appliance Standards Recommendations

#### Savings estimates for: Oklahoma

	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	1.7	--	--	0.2	0.03	0.2	6.2	--	--	0.4	0.1	0.7
Commercial dishwashers	3.8	48	68	2.6	0.1	3.1	10.8	139	193	7.0	0.1	8.5
Commercial fryers	0.2	156	--	7.1	0.004	8.3	0.8	536	--	24.4	0.01	28.5
Commercial ovens	2.2	16	--	1.0	0.04	1.1	7.6	55	--	3.0	0.1	3.8
Commercial steam cookers	0.7	7	18	0.4	0.01	0.5	2.4	23	60	1.2	0.02	1.5
Faucets	18.2	101	552	6.5	0.4	7.8	52.1	288	1,576	16.5	0.5	21.0
Gas fireplaces	--	54	--	2.4	--	2.9	--	208	--	9.4	--	11.0
High CRI fluorescent lamps	12.0	--	--	1.2	0.2	1.6	6.0	--	--	0.4	0.1	0.7
Portable electric spas	25.2	--	--	2.6	0.5	3.3	62.9	--	--	4.2	0.6	6.9
Residential ventilating fans	1.1	--	--	0.1	0.02	0.1	4.2	--	--	0.3	0.04	0.5
Server power supplies	21.0	--	--	2.2	0.4	2.8	30.0	--	--	2.0	0.3	3.3
Showerheads	13.6	75	281	4.8	0.3	5.8	38.9	214	804	12.3	0.4	15.6
Spray sprinkler bodies	--	--	1,502	--	--	--	--	--	4,292	--	--	--
Toilets (water closets)	--	--	138	--	--	--	--	--	516	--	--	--
Urinals	--	--	26	--	--	--	--	--	89	--	--	--
Water coolers	12.2	--	--	1.3	0.2	1.6	35.0	--	--	2.4	0.3	3.9
<b>Total</b>	<b>112</b>	<b>458</b>	<b>2,586</b>	<b>32</b>	<b>2</b>	<b>39</b>	<b>257</b>	<b>1,464</b>	<b>7,531</b>	<b>84</b>	<b>2</b>	<b>106</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: Oklahoma

	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	3.7	3.5
Commercial dishwashers	1.8	5.9	51.7	1.0
Commercial fryers	1.2	4.8	30.6	3.1
Commercial ovens	0.4	1.4	4.8	6.1
Commercial steam cookers	0.4	1.6	13.6	0.8
Faucets	12.2	39.1	386.9	0.0
Gas fireplaces	0.6	2.7	24.3	1.1
High CRI fluorescent lamps	1.4	0.7	8.6	1.8
Portable electric spas	3.4	8.9	80.3	0.8
Residential ventilating fans	0.1	0.6	5.8	0.0
Server power supplies	2.4	3.5	30.7	0.9
Showerheads	7.1	22.6	223.2	0.0
Spray sprinkler bodies	23.1	76.1	691.9	0.8
Toilets (water closets)	2.1	9.2	114.8	0.0
Urinals	0.4	1.6	15.1	0.0
Water coolers	1.4	4.1	39.8	0.0
<b>Total</b>	<b>58</b>	<b>183</b>	<b>1,726</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: Oklahoma

	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	114	--	--	8.3	1.3	13.6	10.1
Commercial dishwashers	206	2.6	3.7	134.8	2.5	163.9	112.2
Commercial fryers	14	9.7	--	438.6	0.2	512.5	84.9
Commercial ovens	137	1.0	--	55.1	1.7	68.8	24.5
Commercial steam cookers	44	0.4	1.1	22.3	0.5	27.4	28.2
Faucets	991	5.5	29.9	322.1	12.3	407.7	747.9
Gas fireplaces	--	3.8	--	172.9	--	201.9	49.6
High CRI fluorescent lamps	172	--	--	15.3	3.0	21.8	20.1
Portable electric spas	1,234	--	--	93.3	15.5	147.8	174.8
Residential ventilating fans	76	--	--	5.6	0.9	9.1	10.9
Server power supplies	644	--	--	50.2	8.7	78.3	74.3
Showerheads	739	4.1	15.3	240.1	9.2	304.0	431.3
Spray sprinkler bodies	--	--	81.6	--	--	--	1461.6
Toilets (water closets)	--	--	10.5	--	--	--	192.4
Urinals	--	--	1.6	--	--	--	28.9
Water coolers	664	--	--	49.8	8.2	79.4	76.9
<b>Total</b>	<b>5,035</b>	<b>27</b>	<b>144</b>	<b>1,608</b>	<b>64</b>	<b>2,036</b>	<b>3,528</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.