## Appliance Standards Awareness Project

# 2027 State Appliance Standards Savings Potential

## Annual savings estimates in 2040 for: Nebraska

| | Potential annual savings in 2040 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Electricity (GWh) | Natural gas (BBtu) | Water (million gallons) | $NO_x$ (tons) | $SO_2$ (tons) | $CO_2$ (thousand metric tons) | Summer peak demand (MW) | Winter peak demand (MW) | Utility bills (million 2025$) |
| Commercial & industrial fans | 123.4 | -- | -- | 0.0 | 0.0 | 6.1 | 20.0 | 17.1 | 13.9 |
| Commercial battery chargers | 2.9 | -- | -- | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | 0.3 |
| Commercial dishwashers | 13.4 | 58 | 86 | 2.6 | 0.02 | 3.7 | 0.8 | 1.5 | 3.9 |
| Commercial fryers | 0.4 | 250 | -- | 11.3 | 0.1 | 13.3 | 0.1 | 0.1 | 2.1 |
| Commercial ovens | 3.6 | 26 | -- | 1.2 | 0.01 | 1.5 | 0.6 | 0.8 | 0.6 |
| Commercial steam cookers | 1.1 | 11 | 28 | 0.5 | 0.003 | 0.6 | 0.2 | 0.3 | 0.8 |
| Computer server power supplies | 10.4 | -- | -- | 0.0 | 0.0 | 0.5 | 1.2 | 1.2 | 1.2 |
| Electric motors | 169.6 | -- | -- | 0.0 | 0.0 | 8.4 | 29.5 | 24.4 | 20.6 |
| Faucets | 10.1 | 94 | 366 | 4.3 | 0.03 | 5.5 | 1.5 | 2.4 | 10.3 |
| Gas fireplaces | -- | 86 | -- | 3.9 | 0.02 | 4.5 | -- | -- | 1.0 |
| High CRI fluorescent lamps | 4.6 | -- | -- | 0.0 | 0.0 | 0.2 | 0.8 | 0.6 | 0.6 |
| Portable electric spas | 23.5 | -- | -- | 0.0 | 0.0 | 1.2 | 1.8 | 1.5 | 3.8 |
| Showerheads | 22.3 | 165 | 546 | 7.5 | 0.05 | 9.8 | 3.2 | 5.2 | 17.0 |
| Spray sprinkler bodies | -- | -- | 3,114 | -- | -- | -- | -- | -- | 30.2 |
| Toilets (water closets) | -- | -- | 375 | -- | -- | -- | -- | -- | 7.8 |
| Urinals | -- | -- | 37 | -- | -- | -- | -- | -- | 0.8 |
| Water coolers | 21.8 | -- | -- | 0.0 | 0.0 | 1.1 | 2.5 | 2.5 | 2.6 |
| **Total** | **407** | **690** | **4,553** | **31** | **0.2** | **57** | **62** | **58** | **118** |

Assuming a compliance date of 2029 for all the products. We have not estimated savings for commercial hot-food holding cabinets, computers and computer monitors, or residential ventilating fans due to insufficient data on the current market.

## Cumulative savings estimates through 2050 for: Nebraska

| | Potential cumulative savings through 2050 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Electricity (GWh) | Natural gas (TBtu) | Water (billion gallons) | $NO_x$ (tons) | $SO_2$ (tons) | $CO_2$ (thousand metric tons) | Utility bills (million 2025$) | Payback period (years) |
| Commercial & industrial fans | 2,385.7 | -- | -- | 124.7 | 10.7 | 149.5 | 264.2 | 1.5 |
| Commercial battery chargers | 54.8 | -- | -- | 2.3 | 0.2 | 3.3 | 6.0 | 3.7 |
| Commercial dishwashers | 241.7 | 1.0 | 1.6 | 57.3 | 1.1 | 69.7 | 70.5 | 2.1 |
| Commercial fryers | 5.9 | 4.2 | -- | 189.7 | 1.2 | 221.6 | 34.9 | 3.2 |
| Commercial ovens | 59.4 | 0.4 | -- | 22.1 | 0.3 | 26.3 | 10.5 | 7.2 |
| Commercial steam cookers | 19.1 | 0.2 | 0.5 | 9.1 | 0.1 | 10.8 | 13.8 | 0.8 |
| Computer server power supplies | 203.3 | -- | -- | 14.3 | 1.4 | 13.7 | 23.3 | 3.3 |
| Electric motors | 3,025.7 | -- | -- | 171.6 | 13.8 | 191.0 | 360.9 | 1.4 |
| Faucets | 171.1 | 1.7 | 6.2 | 84.6 | 1.2 | 99.2 | 179.2 | 0.0 |
| Gas fireplaces | -- | 1.6 | -- | 73.5 | 0.5 | 85.8 | 19.1 | 1.2 |
| High CRI fluorescent lamps | 96.7 | -- | -- | 12.7 | 1.5 | 8.0 | 10.9 | 2.2 |
| Portable electric spas | 414.3 | -- | -- | 23.0 | 1.9 | 26.1 | 66.3 | 1.3 |
| Showerheads | 379.8 | 2.8 | 9.3 | 146.5 | 2.3 | 172.1 | 292.5 | 0.0 |
| Spray sprinkler bodies | -- | -- | 52.9 | -- | -- | -- | 525.5 | 1.0 |
| Toilets (water closets) | -- | -- | 7.6 | -- | -- | -- | 165.6 | 0.0 |
| Urinals | -- | -- | 0.6 | -- | -- | -- | 13.2 | 0.0 |
| Water coolers | 370.7 | -- | -- | 18.8 | 1.5 | 22.9 | 43.2 | 0.0 |
| **Total** | **7,428** | **12** | **79** | **950** | **38** | **1,100** | **2,100** | **–** |

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