

## Appliance Standards Awareness Project

### 2026 State Appliance Standards Recommendations

#### Annual savings estimates for: [Missouri](#)

|                                | Potential annual savings in 2035 |                    |                         |                        |                        |                                        |                                       | Payback period (years) |
|--------------------------------|----------------------------------|--------------------|-------------------------|------------------------|------------------------|----------------------------------------|---------------------------------------|------------------------|
|                                | 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) | Utility bill savings (million 2024\$) |                        |
| Commercial & industrial fans   | 159.2                            | --                 | --                      | 16.5                   | 12.3                   | 37.5                                   | 14.0                                  | 1.8                    |
| Commercial battery chargers    | 2.7                              | --                 | --                      | 0.3                    | 0.2                    | 0.6                                    | 0.2                                   | 4.9                    |
| Commercial dishwashers         | 12.3                             | 158                | 220                     | 8.4                    | 1.0                    | 11.2                                   | 7.6                                   | 0.9                    |
| Commercial fryers              | 0.7                              | 509                | --                      | 23.1                   | 0.2                    | 27.1                                   | 7.4                                   | 2.2                    |
| Commercial ovens               | 7.2                              | 52                 | --                      | 3.1                    | 0.6                    | 4.5                                    | 1.5                                   | 5.8                    |
| Commercial steam cookers       | 2.3                              | 22                 | 57                      | 1.2                    | 0.2                    | 1.7                                    | 1.6                                   | 0.7                    |
| Computer server power supplies | 77.7                             | --                 | --                      | 8.1                    | 6.0                    | 18.3                                   | 7.6                                   | 1.0                    |
| Electric motors                | 264.5                            | --                 | --                      | 27.4                   | 20.4                   | 62.3                                   | 26.6                                  | 1.4                    |
| Faucets                        | 51.3                             | 286                | 1,397                   | 18.3                   | 4.0                    | 27.2                                   | 37.4                                  | 0.0                    |
| Gas fireplaces                 | --                               | 139                | --                      | 6.3                    | 0.04                   | 7.4                                    | 2.2                                   | 0.9                    |
| High CRI fluorescent lamps     | 24.8                             | --                 | --                      | 2.6                    | 1.9                    | 5.8                                    | 2.5                                   | 2.2                    |
| Portable electric spas         | 28.2                             | --                 | --                      | 2.9                    | 2.2                    | 6.6                                    | 3.6                                   | 1.6                    |
| Showerheads                    | 72.0                             | 320                | 1,334                   | 22                     | 5.7                    | 33.9                                   | 39.4                                  | 0.0                    |
| Spray sprinkler bodies         | --                               | --                 | 5,553                   | --                     | --                     | --                                     | 105.2                                 | 0.7                    |
| Toilets (water closets)        | --                               | --                 | 811                     | --                     | --                     | --                                     | 15.4                                  | 0.0                    |
| Urinals                        | --                               | --                 | 78                      | --                     | --                     | --                                     | 1.5                                   | 0.0                    |
| Water coolers                  | 35.2                             | --                 | --                      | 3.6                    | 2.7                    | 8.3                                    | 3.4                                   | 0.0                    |
| <b>Total</b>                   | <b>738</b>                       | <b>1,486</b>       | <b>9,448</b>            | <b>144</b>             | <b>57</b>              | <b>252</b>                             | <b>277</b>                            | <b>--</b>              |

Assuming a compliance date of 2028 for all the recommended standards except electric motors, which have an assumed compliance date of 2029. While we are recommending the adoption of state-level standards for commercial hot-food holding cabinets, computers and computer monitors, residential ventilating fans, and water softeners, we have not estimated savings for these products due to insufficient data on the current market.

## Cumulative savings estimates for: **Missouri**

|                                | Potential cumulative savings through 2050 |                          |                               |                           |                           |                                              |                                             |
|--------------------------------|-------------------------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|----------------------------------------------|---------------------------------------------|
|                                | Electricity<br>(GWh)                      | Natural<br>gas<br>(TBtu) | Water<br>(billion<br>gallons) | NO <sub>x</sub><br>(tons) | SO <sub>2</sub><br>(tons) | CO <sub>2</sub><br>(thousand<br>metric tons) | Utility bill<br>savings<br>(million 2024\$) |
| Commercial & industrial fans   | 4,035                                     | --                       | --                            | 212.3                     | 150.8                     | 465.2                                        | 342.8                                       |
| Commercial battery chargers    | 79                                        | --                       | --                            | 3.8                       | 2.5                       | 8.3                                          | 6.3                                         |
| Commercial dishwashers         | 296                                       | 3.8                      | 5.3                           | 187.1                     | 12.3                      | 234.5                                        | 191.0                                       |
| Commercial fryers              | 20                                        | 13.8                     | --                            | 627.9                     | 4.7                       | 734.0                                        | 202.5                                       |
| Commercial ovens               | 197                                       | 1.4                      | --                            | 74.2                      | 7.1                       | 96.6                                         | 38.9                                        |
| Commercial steam cookers       | 63                                        | 0.6                      | 1.5                           | 30.4                      | 2.3                       | 38.7                                         | 46.7                                        |
| Computer server power supplies | 1,592                                     | --                       | --                            | 102.0                     | 83.4                      | 225.6                                        | 149.2                                       |
| Electric motors                | 6,068                                     | --                       | --                            | 308.5                     | 204.4                     | 672.3                                        | 583.1                                       |
| Faucets                        | 1,231                                     | 6.7                      | 33.5                          | 369.5                     | 48.4                      | 498.0                                        | 944.1                                       |
| Gas fireplaces                 | --                                        | 4.3                      | --                            | 195.4                     | 1.2                       | 228.1                                        | 68.9                                        |
| High CRI fluorescent lamps     | 273                                       | --                       | --                            | 26.6                      | 26.3                      | 59.8                                         | 27.0                                        |
| Portable electric spas         | 614                                       | --                       | --                            | 34.0                      | 25.0                      | 74.7                                         | 74.1                                        |
| Showerheads                    | 1,729                                     | 7.7                      | 32.0                          | 439.5                     | 67.4                      | 606.7                                        | 990.5                                       |
| Spray sprinkler bodies         | --                                        | --                       | 133.3                         | --                        | --                        | --                                           | 2,748.5                                     |
| Toilets (water closets)        | --                                        | --                       | 28.1                          | --                        | --                        | --                                           | 590.1                                       |
| Urinals                        | --                                        | --                       | 2.1                           | --                        | --                        | --                                           | 43.9                                        |
| Water coolers                  | 844                                       | --                       | --                            | 44.6                      | 31.8                      | 97.8                                         | 78.6                                        |
| <b>Total</b>                   | <b>17,041</b>                             | <b>38</b>                | <b>236</b>                    | <b>2,656</b>              | <b>668</b>                | <b>4,040</b>                                 | <b>7,126</b>                                |

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