

## Appliance Standards Awareness Project

### 2025 State Appliance Standards Recommendations

#### Savings estimates for: Florida

|                              | 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  | 2.6                              | --                 | --                      | 0.4                    | 0.1                    | 0.6                                    | 8.8                              | --                 | --                      | 1.3                    | 0.5                    | 2.0                                    |
| Commercial dishwashers       | 21.1                             | 271                | 377                     | 15.8                   | 1.0                    | 19.5                                   | 60.4                             | 773                | 1,076                   | 44.1                   | 3.1                    | 54.7                                   |
| Commercial fryers            | 1.2                              | 873                | --                      | 39.8                   | 0.1                    | 46.5                                   | 4.3                              | 2,992              | --                      | 136.                   | 0.2                    | 159.3                                  |
| Commercial ovens             | 12.4                             | 90                 | --                      | 6.1                    | 0.6                    | 7.8                                    | 42.5                             | 307                | --                      | 20.3                   | 2.2                    | 26.0                                   |
| Commercial steam cookers     | 4.0                              | 38                 | 98                      | 2.4                    | 0.2                    | 3.0                                    | 13.6                             | 130                | 335                     | 7.9                    | 0.7                    | 10.0                                   |
| Faucets                      | 190.6                            | 124                | 3,030                   | 37.6                   | 8.7                    | 53.6                                   | 544.5                            | 349                | 8,646                   | 97.6                   | 28.0                   | 143.2                                  |
| Gas fireplaces               | --                               | 30                 | --                      | 1.4                    | --                     | 1.6                                    | --                               | 117                | --                      | 5.3                    | --                     | 6.2                                    |
| High CRI fluorescent lamps   | 60.2                             | --                 | --                      | 10.1                   | 2.8                    | 14.9                                   | 30.9                             | --                 | --                      | 4.6                    | 1.6                    | 7.1                                    |
| Portable electric spas       | 128.0                            | --                 | --                      | 21.5                   | 5.9                    | 31.6                                   | 320.2                            | --                 | --                      | 48.1                   | 16.5                   | 73.3                                   |
| Residential ventilating fans | 5.9                              | --                 | --                      | 1.0                    | 0.3                    | 1.5                                    | 22.8                             | --                 | --                      | 3.4                    | 1.2                    | 5.2                                    |
| Server power supplies        | 84.7                             | --                 | --                      | 14.2                   | 3.9                    | 20.9                                   | 121.0                            | --                 | --                      | 18.2                   | 6.2                    | 27.7                                   |
| Showerheads                  | 142.2                            | 91                 | 1,544                   | 28.0                   | 6.5                    | 39.9                                   | 406.4                            | 259                | 4,411                   | 72.8                   | 20.9                   | 106.8                                  |
| Spray sprinkler bodies       | --                               | --                 | 8,432                   | --                     | --                     | --                                     | --                               | --                 | 24,091                  | --                     | --                     | --                                     |
| Toilets (water closets)      | --                               | --                 | 763                     | --                     | --                     | --                                     | --                               | --                 | 2,846                   | --                     | --                     | --                                     |
| Urinals                      | --                               | --                 | 145                     | --                     | --                     | --                                     | --                               | --                 | 497                     | --                     | --                     | --                                     |
| Water coolers                | 53.3                             | --                 | --                      | 8.9                    | 2.4                    | 13.2                                   | 152.4                            | --                 | --                      | 22.9                   | 7.9                    | 34.9                                   |
| <b>Total</b>                 | <b>706</b>                       | <b>1,515</b>       | <b>14,388</b>           | <b>187</b>             | <b>32</b>              | <b>255</b>                             | <b>1,728</b>                     | <b>4,927</b>       | <b>41,902</b>           | <b>483</b>             | <b>89</b>              | <b>656</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: Florida

|                              | Potential annual utility bill savings (million 2023\$) |              | Net present value savings (million 2023\$) | Payback period (years) |
|------------------------------|--|--------------|--|------------------------|
|                              | In 2030  | In 2040      |  |                        |
| Commercial battery chargers  | 0.2  | 0.8          | 2.6  | 6.1                    |
| Commercial dishwashers       | 11.0   | 35.2         | 309.9                                      | 0.9                    |
| Commercial fryers            | 10.8   | 40.4         | 299.8                                      | 2.0                    |
| Commercial ovens             | 2.2  | 8.2          | 31.0                                       | 5.5                    |
| Commercial steam cookers     | 2.3  | 9.0          | 78.8                                       | 0.8                    |
| Faucets                      | 72.0   | 232.6        | 2,282.9                                    | 0.0                    |
| Gas fireplaces               | 0.7  | 3.0          | 28.6                                       | 0.5                    |
| High CRI fluorescent lamps   | 5.5  | 3.3          | 32.4                                       | 2.0                    |
| Portable electric spas       | 15.0   | 41.3         | 337.7                                      | 1.2                    |
| Residential ventilating fans | 0.7  | 2.9          | 28.1                                       | 0.0                    |
| Server power supplies        | 7.5  | 11.6         | 93.4                                       | 1.1                    |
| Showerheads                  | 42.6   | 137.4        | 1,344.0                                    | 0.0                    |
| Spray sprinkler bodies       | 129.8  | 427.4        | 3,883.4                                    | 0.8                    |
| Toilets (water closets)      | 11.8   | 50.5         | 631.8                                      | 0.0                    |
| Urinals                      | 2.2  | 8.8          | 84.3                                       | 0.0                    |
| Water coolers                | 4.7  | 14.6         | 139.0                                      | 0.0                    |
| <b>Total</b>                 | <b>319</b>   | <b>1,027</b> | <b>9,608</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: Florida

|                              | 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<br>tons) | Utility bill<br>savings<br>(million<br>2023\$) |
| Commercial battery chargers  | 164                                       | --                       | --                            | 24.2                      | 8.1                       | 36.1  | 13.7   |
| Commercial dishwashers       | 1,148                                     | 14.7                     | 20.4                          | 836.4                     | 56.6                      | 1031.3  | 666.2  |
| Commercial fryers            | 77  | 53.8                     | --                            | 2451.9                    | 3.8                       | 2866.0  | 718.2  |
| Commercial ovens             | 766                                       | 5.5                      | --                            | 364.3                     | 37.8                      | 461.7   | 144.0  |
| Commercial steam cookers     | 245                                       | 2.3                      | 6.0                           | 142.4                     | 12.1                      | 177.9   | 162.3  |
| Faucets                      | 10,346                                    | 6.6                      | 164.3                         | 1841.3                    | 510.2                     | 2644.7  | 4411.3   |
| Gas fireplaces               | --  | 2.1                      | --                            | 97.0                      | --                        | 113.3   | 55.6   |
| High CRI fluorescent lamps   | 866                                       | --                       | --                            | 135.6                     | 42.3                      | 203.9   | 83.7   |
| Portable electric spas       | 6,279                                     | --                       | --                            | 937.0                     | 309.5                     | 1395.5  | 785.3  |
| Residential ventilating fans | 418                                       | --                       | --                            | 61.6                      | 20.6                      | 91.6  | 52.5   |
| Server power supplies        | 2,601                                     | --                       | --                            | 390.9                     | 128.0                     | 583.1   | 239.8  |
| Showerheads                  | 7,722                                     | 4.9                      | 83.8                          | 1372.8                    | 380.8                     | 1972.2  | 2596.4   |
| Spray sprinkler bodies       | --  | --                       | 457.7                         | --                        | --                        | --  | 8203.2   |
| Toilets (water closets)      | --  | --                       | 58.1                          | --                        | --                        | --  | 1059.9   |
| Urinals                      | --  | --                       | 8.9                           | --                        | --                        | --  | 161.0  |
| Water coolers                | 2,896                                     | --                       | --                            | 431.1                     | 142.8                     | 641.9   | 267.9  |
| <b>Total</b>                 | <b>33,528</b>                             | <b>90</b>                | <b>799</b>                    | <b>9,087</b>              | <b>1,653</b>              | <b>12,219</b>                                   | <b>19,621</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.