

## State-Level Benefits from Potential State Appliance Standards

### Maine

| Products                           | Annual Savings per Unit |         | Incremental Cost per Unit | Annual Savings in 2025 |             |                 |                           |                       | Annual Savings in 2035 |             |                 |                           |                       | Economics       |                    |                   | Cumulative Energy Savings Through 2035 |
|------------------------------------|-------------------------|---------|---------------------------|------------------------|-------------|-----------------|---------------------------|-----------------------|------------------------|-------------|-----------------|---------------------------|-----------------------|-----------------|--------------------|-------------------|----------------------------------------|
|                                    |                         |         |                           | Electricity            | Natural Gas | Water           | CO <sub>2</sub> Emissions | Value of Bill Savings | Electricity            | Natural Gas | Water           | CO <sub>2</sub> Emissions | Value of Bill Savings | Pay Back Period | Benefit/Cost Ratio | Net Present Value |                                        |
|                                    | Amount                  | Unit    | \$                        | GWh                    | BBtu        | Million Gallons | 1000 MT                   | Million 2012\$        | GWh                    | BBtu        | Million Gallons | 1000 MT                   | Million 2012\$        | Years           |                    | Million 2012\$    | TBtu                                   |
| Battery Chargers                   | -                       | -       | -                         | 65.1                   | -           | -               | 20.3                      | 9.5                   | 66.2                   | -           | -               | 19.8                      | 9.6                   | -               | -                  | 67.8              | 11.2                                   |
| <i>Small Consumer Chargers</i>     | 10                      | kWh     | \$1.53                    | 63.3                   | -           | -               | 19.8                      | 9.3                   | 63.3                   | -           | -               | 19.0                      | 9.3                   | 1.0             | 3.4                | 65.6              | 10.9                                   |
| <i>Small Non-Consumer Chargers</i> | 9                       | kWh     | \$2.93                    | 0.6                    | -           | -               | 0.2                       | 0.1                   | 0.8                    | -           | -               | 0.2                       | 0.1                   | 2.9             | 2.7                | 0.5               | 0.1                                    |
| <i>Large Chargers</i>              | 3,294                   | kWh     | \$343                     | 1.2                    | -           | -               | 0.4                       | 0.1                   | 2.1                    | -           | -               | 0.6                       | 0.2                   | 0.9             | 11.8               | 1.7               | 0.2                                    |
| Commercial Dishwashers             | -                       | -       | \$357                     | 1.8                    | 9.1         | 20.4            | 1.1                       | 0.5                   | 2.8                    | 14.2        | 31.5            | 1.6                       | 0.8                   | 0.4             | 24.6               | 6.4               | 0.5                                    |
| <i>electricity</i>                 | 3,109                   | kWh     | -                         | 1.8                    | -           | -               | 0.6                       | 0.2                   | 2.8                    | -           | -               | 0.8                       | 0.3                   | -               | -                  | -                 | 0.4                                    |
| <i>natural gas</i>                 | 156                     | therms  | -                         | -                      | 9.1         | -               | 0.5                       | 0.1                   | -                      | 14.2        | -               | 0.8                       | 0.2                   | -               | -                  | -                 | 0.2                                    |
| <i>water</i>                       | 34,643                  | gallons | -                         | -                      | -           | 20.4            | -                         | 0.2                   | -                      | -           | 31.5            | -                         | 0.3                   | -               | -                  | -                 | -                                      |
| Double-Ended Quartz Halogen Lamps  | 329                     | kWh     | \$34                      | 4.0                    | -           | -               | 1.3                       | 0.5                   | 0.0                    | -           | -               | 0.0                       | 0.0                   | 0.9             | 2.0                | 2.7               | 0.7                                    |
| Faucets (lavatory)                 | -                       | -       | \$0                       | 4.6                    | 31.5        | 90.4            | 3.1                       | 2.1                   | 5.4                    | 37.1        | 106.3           | 3.6                       | 2.5                   | no cost         | no cost            | 21.5              | 1.3                                    |
| <i>electricity</i>                 | 14                      | kWh     | -                         | 4.6                    | -           | -               | 1.4                       | 0.7                   | 5.4                    | -           | -               | 1.6                       | 0.8                   | -               | -                  | -                 | 0.8                                    |
| <i>natural gas</i>                 | 1                       | therms  | -                         | -                      | 31.5        | -               | 1.7                       | 0.5                   | -                      | 37.1        | -               | 2.0                       | 0.6                   | -               | -                  | -                 | 0.5                                    |
| <i>water</i>                       | 285                     | gallons | -                         | -                      | -           | 90.4            | -                         | 0.9                   | -                      | -           | 106.3           | -                         | 1.1                   | -               | -                  | -                 | -                                      |
| Hot Food Holding Cabinets          | 2,197                   | kWh     | \$609                     | 1.1                    | -           | -               | 0.3                       | 0.1                   | 1.6                    | -           | -               | 0.5                       | 0.2                   | 2.4             | 3.8                | 1.1               | 0.2                                    |
| Portable Electric Spas             | 746                     | kWh     | \$346                     | 1.7                    | -           | -               | 0.5                       | 0.2                   | 2.0                    | -           | -               | 0.6                       | 0.3                   | 3.2             | 1.9                | 1.2               | 0.3                                    |
| Room Air Cleaners                  | 340                     | kWh     | \$0                       | 30.8                   | -           | -               | 9.6                       | 4.5                   | 32.6                   | -           | -               | 9.8                       | 4.8                   | no cost         | no cost            | 42.5              | 4.7                                    |
| Toilets                            | 745                     | gallons | \$0                       | -                      | -           | 195.1           | -                         | 2.0                   | -                      | -           | 424.6           | -                         | 4.4                   | no cost         | no cost            | 31.7              | -                                      |
| Urinals                            | 4,095                   | gallons | \$0                       | -                      | -           | 91.0            | -                         | 0.9                   | -                      | -           | 133.8           | -                         | 1.4                   | no cost         | no cost            | 11.4              | -                                      |
| Water Dispensers                   | 236                     | kWh     | \$12                      | 2.2                    | -           | -               | 0.7                       | 0.3                   | 2.6                    | -           | -               | 0.8                       | 0.3                   | 0.4             | 18.3               | 2.4               | 0.4                                    |
| <b>Total</b>                       | -                       | -       | -                         | <b>111</b>             | <b>41</b>   | <b>397</b>      | <b>37</b>                 | <b>21</b>             | <b>113</b>             | <b>51</b>   | <b>696</b>      | <b>37</b>                 | <b>24</b>             | -               | -                  | <b>189</b>        | <b>19</b>                              |

\*Assuming an effective date of 2017 for all standards.