## Appliance Standards Awareness Project

# 2027 State Appliance Standards Savings Potential

## Annual savings estimates in 2040 for: Hawaii

| | 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 | 31.1 | -- | -- | 20.0 | 9.7 | 7.2 | 4.5 | 4.3 | 10.6 |
| Commercial battery chargers | 0.8 | -- | -- | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.3 |
| Commercial dishwashers | 9.6 | 42 | 62 | 8.1 | 3.0 | 4.4 | 1.0 | 1.0 | 7.0 |
| Commercial fryers | 0.3 | 181 | -- | 8.3 | 0.1 | 9.6 | 0.03 | 0.1 | 9.0 |
| Commercial ovens | 2.6 | 19 | -- | 2.5 | 0.8 | 1.6 | 0.3 | 0.5 | 1.9 |
| Commercial steam cookers | 0.8 | 8 | 20 | 0.9 | 0.3 | 0.6 | 0.1 | 0.2 | 1.1 |
| Computer server power supplies | 1.5 | -- | -- | 0.9 | 0.5 | 0.3 | 0.2 | 0.2 | 0.6 |
| Electric motors | 49.1 | -- | -- | 31.5 | 15.3 | 11.4 | 7.2 | 6.8 | 18.3 |
| Gas fireplaces | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **Total** | **96** | **249** | **82** | **73** | **30** | **35** | **13** | **13** | **49** |

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: Hawaii

| | 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 | 600.2 | -- | -- | 410.6 | 173.4 | 160.2 | 201.4 | 0.4 |
| Commercial battery chargers | 15.2 | -- | -- | 10.1 | 3.9 | 4.0 | 5.0 | 0.9 |
| Commercial dishwashers | 174.3 | 0.8 | 1.1 | 150.3 | 45.6 | 85.6 | 128.2 | 0.8 |
| Commercial fryers | 4.3 | 3.0 | -- | 139.5 | 2.0 | 160.6 | 154.0 | 0.7 |
| Commercial ovens | 42.9 | 0.3 | -- | 42.8 | 11.7 | 27.7 | 31.5 | 1.7 |
| Commercial steam cookers | 13.7 | 0.1 | 0.3 | 15.2 | 3.8 | 10.5 | 19.4 | 0.4 |
| Computer server power supplies | 28.8 | -- | -- | 20.5 | 9.6 | 7.9 | 10.6 | 0.9 |
| Electric motors | 876.3 | -- | -- | 601.6 | 262.1 | 233.5 | 322.7 | 0.4 |
| Gas fireplaces | -- | -- | -- | -- | -- | -- | -- | -- |
| **Total** | **2,759** | **5** | **120** | **2,130** | **803** | **1,022** | **2,884** | **–** |

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.