

Appliance Standards Awareness Project

2021 State Appliance Standards Recommendations

Savings estimates for: Oregon

| | Potential annual savings in 2025 | | | | | | Potential annual savings in 2035 | | | | | |
|------------------------------|----------------------------------|--------------------|-------------------------|------------------------|------------------------|-----------------------------|----------------------------------|--------------------|-------------------------|------------------------|------------------------|-----------------------------|
| | Electricity (GWh) | Natural gas (BBtu) | Water (million gallons) | NO _x (tons) | SO ₂ (tons) | CO ₂ (thous. MT) | Electricity (GWh) | Natural gas (BBtu) | Water (million gallons) | NO _x (tons) | SO ₂ (tons) | CO ₂ (thous. MT) |
| Commercial dishwashers | 2.4 | 57 | 79 | 2.7 | 0.1 | 3.3 | 9.0 | 215 | 299 | 10.0 | 0.4 | 12.2 |
| Commercial fryers | 0.5 | 218 | -- | 9.9 | 0.03 | 11.7 | 1.7 | 748 | -- | 34.0 | 0.1 | 39.9 |
| Commercial steam cookers | 3.2 | 17 | 55 | 0.9 | 0.2 | 1.3 | 11.0 | 59 | 187 | 3.0 | 0.5 | 4.1 |
| Faucets | 35.9 | 93 | 653 | 6.0 | 1.8 | 9.1 | 102.5 | 260 | 1,851 | 15.3 | 4.3 | 23.5 |
| High CRI fluorescent lamps | 17.4 | -- | -- | 0.8 | 0.9 | 2.2 | 10.3 | -- | -- | 0.4 | 0.4 | 0.9 |
| Portable electric spas | 27.6 | -- | -- | 1.3 | 1.4 | 3.2 | 66.2 | -- | -- | 2.3 | 2.8 | 6.3 |
| Residential ventilating fans | 4.3 | -- | -- | 0.2 | 0.2 | 0.5 | 16.4 | -- | -- | 0.6 | 0.7 | 1.6 |
| Showerheads | 32.7 | 82 | 402 | 5.3 | 1.7 | 8.2 | 93.3 | 233 | 1,148 | 13.7 | 3.9 | 21.2 |
| Water coolers | 6.5 | -- | -- | 0.3 | 0.3 | 0.8 | 18.6 | -- | -- | 0.6 | 0.8 | 1.6 |
| Total | 130 | 467 | 1,189 | 27 | 7 | 40 | 329 | 1,514 | 3,485 | 80 | 14 | 111 |

Assuming a compliance date of 2023 for high CRI fluorescent lamps and 2022 for all other recommended standards to correspond with Oregon Department of Energy final rule submitted to the Secretary of State on August 28, 2020. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.

Savings estimates for: Oregon

| | Potential annual utility bill savings (million 2019\$) | | Net present value savings (million 2019\$) | Benefit-cost ratio | Payback period (years) |
|------------------------------|--|------------|--|--------------------|------------------------|
| | In 2025 | In 2035 | | | |
| Commercial dishwashers | 1.6 | 7.0 | 42.0 | 9.0 | 0.4 |
| Commercial fryers | 1.9 | 8.2 | 31.5 | 2.3 | 1.6 |
| Commercial steam cookers | 1.0 | 4.0 | 24.6 | 9.7 | 0.4 |
| Faucets | 12.1 | 39.8 | 285.7 | no cost | 0.0 |
| High CRI fluorescent lamps | 1.3 | 0.9 | 5.1 | 1.6 | 3.6 |
| Portable electric spas | 2.8 | 7.6 | 47.6 | 7.0 | 0.3 |
| Residential ventilating fans | 0.4 | 1.9 | 13.2 | no cost | 0.0 |
| Showerheads | 8.7 | 29.0 | 207.9 | no cost | 0.0 |
| Water coolers | 0.5 | 1.4 | 10.1 | no cost | 0.0 |
| Total | 30 | 100 | 668 | 15.0 | – |

Assuming a compliance date of 2023 for high CRI fluorescent lamps and 2022 for all other recommended standards to correspond with Oregon Department of Energy final rule submitted to the Secretary of State on August 28, 2020. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between compliance date and 2035. Totals may not sum due to rounding. The total benefit-cost ratio is calculated as the present value of the total utility bill savings from products sold through 2035 for the package of recommended standards divided by the present value of the total additional costs. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.

Cumulative savings estimates for: Oregon

| | Potential cumulative savings through 2035 | | | | | |
|------------------------------|---|--------------------------|-------------------------------|---------------------------|---------------------------|-----------------------------------|
| | Electricity (GWh) | Natural gas (TBtu) | Water (billion gallons) | NO _x (tons) | SO ₂ (tons) | CO ₂ (thous. MT) |
| Commercial dishwashers | 67 | 1.6 | 2.2 | 74.2 | 2.9 | 91.0 |
| Commercial fryers | 14 | 6.0 | -- | 271.8 | 0.6 | 319.4 |
| Commercial steam cookers | 88 | 0.5 | 1.5 | 24.4 | 3.8 | 33.8 |
| Faucets | 923 | 2.3 | 16.7 | 139.4 | 40.1 | 213.4 |
| High CRI fluorescent lamps | 237 | -- | -- | 8.7 | 10.5 | 25.2 |
| Portable electric spas | 620 | -- | -- | 22.3 | 27.0 | 59.8 |
| Residential ventilating fans | 119 | -- | -- | 4.2 | 5.2 | 11.4 |
| Showerheads | 840 | 2.1 | 10.3 | 125.1 | 36.5 | 192.1 |
| Water coolers | 167 | -- | -- | 6.0 | 7.3 | 17.1 |
| Total | 3,074 | 12 | 31 | 676 | 134 | 963 |

Assuming a compliance date of 2023 for high CRI fluorescent lamps and 2022 for all other recommended standards to correspond with Oregon Department of Energy final rule submitted to the Secretary of State on August 28, 2020. Totals may not sum due to rounding. While we continue to recommend the adoption of state-level standards for computers and computer monitors, we have not estimated savings for these products due to a lack of data on the current market.