

The Cost of Home Energy

Moloka'i residents pay some of the country's highest electricity rates. At \$0.40 per kilowatt hour, it's 300 percent more than the U.S. national average.

Air Conditioning

_____	kW (Watts / 1,000)
X _____	Op. Hours / Year
X \$0.40	\$0.40 / kWh
= _____	\$ Total Cost / Year

Light Bulbs

_____	kW (Watts / 1,000)
X _____	Op. Hours / Year
X \$0.40	\$0.40 / kWh
= _____	\$ Total Cost / Year

By making your home more energy efficient, you can reduce your energy use and also lower your bills.

Television

_____	kW (Watts / 1,000)
X _____	Op. Hours / Year
X \$0.40	\$0.40 / kWh
= _____	\$ Total Cost / Year

Washer

_____	kW (Watts / 1,000)
X _____	Op. Hours / Year
X \$0.40	\$0.40 / kWh
= _____	\$ Total Cost / Year

Measure appliance wattage with an energy monitor or find it printed on the appliance. To figure out kilowatts (kW), divide watts by 1,000.

Refrigerator

0.14	kW (Watts / 1,000)
X 8,760	Op. Hours / Year
X \$0.40	\$0.40 / kWh
= \$497.57	\$ Total Cost / Year

Some energy efficiency solutions are found in newer appliances, like ENERGY STAR refrigerators that require 20% less energy to keep food cold. Other solutions are simple actions that can reduce your energy use -- like drying clothes on a clothesline or taking shorter showers. What changes will you make?



Plug electronics into a power strip and switch it off when not in use. These unnecessary phantom loads cost U.S. residents \$4 billion a year.

How Much Can You Save?



Lighting

Lighting six bulbs 4 hours/day:

60 watt old bulb	\$210 / Year
15 watt CFL	\$ 46 / Year
5 watt LED	\$ 28 / Year

SAVE!

\$164 / Year (CFL)
\$182 / Year (LED)



Turn out the lights every time you leave a room.



Fridge

Top-mounted freezers use 10-25% less energy than side or bottom-mounted.

Old 24 cu. ft.	\$498 / Year
ENERGY STAR Model	\$246 / Year

SAVE!

\$267 / Year
by switching to an
ENERGY STAR Fridge



Avoid opening the door often, close it quickly.



Hot Water Heater

Electric water heaters account for up to 40% of your home's energy bill.

40-gal. heater	\$1,248 / Year
Solar water heater	\$ 125 / Year

SAVE!

\$1123 / Year
by switching to a
Solar water heater



Cut 2 minutes from your shower, save \$185 / year.



Washer

Front-loading washers use 40-75% less water and 30-85% less energy than top-loaders.

Top-loading	\$380 / Year
ENERGY STAR Model	\$140 / Year

SAVE!

\$240 / Year
by switching to an
ENERGY STAR Washer



Select cold water cycles.