

Watt Metre Instruction Guide

Tricklestar Plug-in Energy Monitor

Track energy usage and power consumption of appliances and electronics in real-time, displaying data on watts, CO₂ emissions and associated costs.

How to Use?

Step 1: Plug the Tricklestar Plug-in Energy Monitor into a wall outlet.

Step 2: After choosing the appliance or electronic device you want to investigate, plug it into the outlet on the Tricklestar Plug-in Energy Monitor.

Step 3: Watch as your Tricklestar Plug-in Energy Monitor calculates your appliance or electronic device energy use, cost, CO₂ emissions and energy count.

Modes

Energy Mode: By selecting the 'Energy' button, the value displayed is the real-time energy usage of your electronic/appliance when on or off.

Cost Mode: In pressing the 'Cost' button, the total cost of an electronic/appliance over days/months/years can be calculated.

CO₂ Mode: The CO₂ button indicates the amount of CO₂ emissions for an electronic/appliance.



Energy Count Mode: This button allows you to determine total energy consumption or cost

**For additional information on energy count mode and the other modes, please review instruction manual included in each kit.*

Kettle Example:



It's a snowy day outside, and I want to make a cup of hot chocolate. I've been using GreenLearning's Energy Revealed resources to understand my energy consumption and how to be more energy efficient. In learning about energy conservation, I decide that I want to monitor my energy use when it comes to using a kettle to boil water in order to make my hot chocolate. Additionally, I want to understand how much boiling water in my kettle costs and the amount of carbon dioxide that will be released.

It's time to use the Tricklestar Plug-in Energy Monitor to collect all my data!

Kettle Setting: Off

Energy Use

By pressing the 'Energy' button, you can change the setting to day, month or year.



Energy
(watt)

Day
(kw/h)

Month
(kw/h)

Year
(kw/h)

Watt metre guide continued...

Cost (\$)

By pressing the 'Cost' button, you can change the setting to day, month or year.



Cost (\$/hr)



Day (\$)



Month (\$)



Year (\$)

CO2 Emissions

By pressing the 'CO2' button, you can change the setting to day, month or year.



CO2 (kg/hr)



Day (kg)



Month (kg)



Year (kg)

Kettle Setting: On

Energy Use

By pressing the 'Energy' button, you can change the setting to day, month or year.



Energy
(watt)



Day
(kw/h)



Month
(kw/h)



Year
(kw/h)

Watt metre guide continued...

Cost (\$)

By pressing the 'Cost' button, you can change the setting to day, month or year.



Cost (\$/hr)



Day (\$)



Month (\$)



Year (\$)

CO2 Emissions

By pressing the 'CO2' button, you can change the setting to day, month or year.



CO2 (kg/hr)



Day (kg)



Month (kg)



Year (kg)

Electrical Energy Calculators

Step 1

Choose Your Location!

The economic and environmental impact of our electricity use depends on a variety of interconnected factors, such as how your electricity is generated, your electricity supplier, time of year and whether you live in a rural or urban location. Click on your province or territory to get started.



[Alberta
Calculator](#)



[British Columbia
Calculator](#)



[Manitoba
Calculator](#)



[New Brunswick
Calculator](#)



[Newfoundland
and Labrador](#)



[Northwest
Territories
Calculator](#)



[Nova Scotia
Calculator](#)



[Nunavut
Calculator](#)



[Ontario
Calculator](#)



[Prince Edward
Island Calculator](#)



[Quebec
Calculator](#)



[Saskatchewan
Calculator](#)



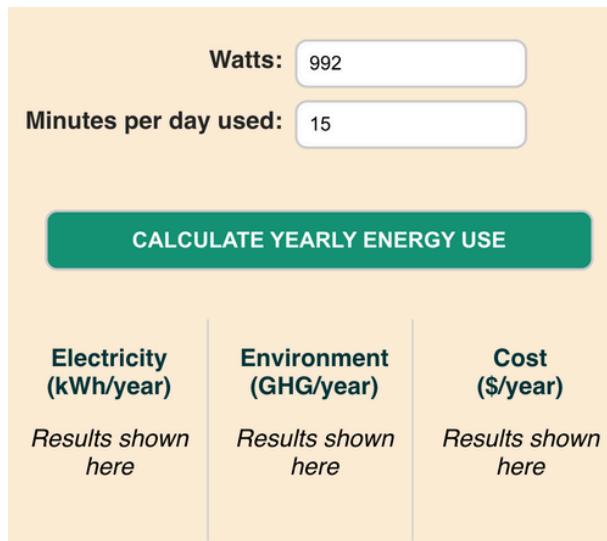
[Yukon
Calculator](#)

Electrical Energy Calculators continued...

Step 2

Input number of Watts of your appliance or electronic device and the number of minutes a day it is used.

Example: Hairdryer - when plugged in and turned on the highest heat, the number of Watts produced is 992W.

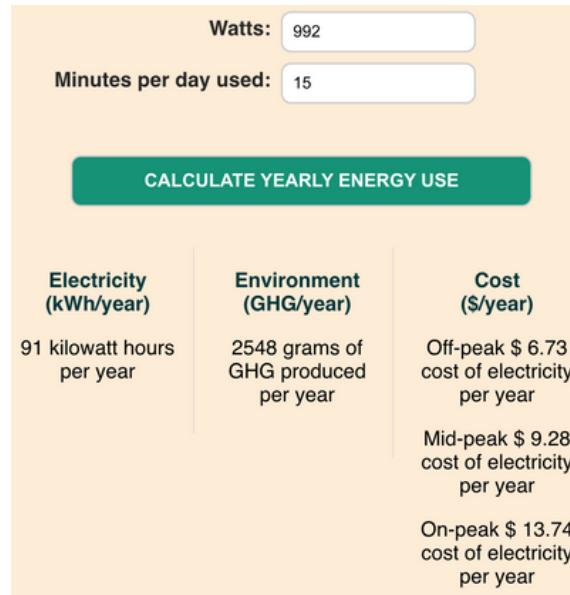


Electricity (kWh/year)	Environment (GHG/year)	Cost (\$/year)
Results shown here	Results shown here	Results shown here

Step 3

Click "Calculate Yearly Energy Use." Values for the amount of electricity used (kWh/year), greenhouse gases emitted (GHG/year) and total cost of electricity (\$/year) will be displayed.

Example: Hairdryer - when plugged in and turned on the highest heat, the number of Watts produced is 992W.



Electricity (kWh/year)	Environment (GHG/year)	Cost (\$/year)
91 kilowatt hours per year	2548 grams of GHG produced per year	Off-peak \$ 6.73 cost of electricity per year Mid-peak \$ 9.28 cost of electricity per year On-peak \$ 13.74 cost of electricity per year