ESB NETWORKS

Is This a Good Time?

Hello,

Electricity is the invisible thread that connects everything we do, from charging smart phones, to charging our cars, heating our homes, to heated arguments over the latest console game! But how much do we actually understand about the watts and the whys?

3 things you need to know to understand your electricity consumption & your energy bills

Watt ~

WHAT

Simply put, the rate at which electricity is used. One watt is defined as one joule per second, where a joule is a unit of electricity.

The watt is a measure of power, and you'll see this unit listed on electrical appliances or devices.

WHY

A 40-watt filament lightbulb uses 40 joules of electricity each second - a modern LED equivalent can use 80% less electricity to emit the same amount of light.

Kilowatt-hour 🕐

WHAT

Sometimes abbreviated to kWh, the kilowatt-hour is used to measure electricity consumption.

One kWh is the amount of electricity that would be used by a 1000-watt appliance in one hour, or a 500-watt appliance in 2 hours.

WHY

On electricity bills, one kWh is typically one "unit" of electricity consumed. Prices are usually set at a certain value per kWh and vary depending on your tariff.

MPRN

WHAT

A Meter Point Reference Number (MPRN) is a unique 11-digit number assigned to each electricity connection and meter in the country.

You can find your MPRN on the bill you receive from your electricity supplier.
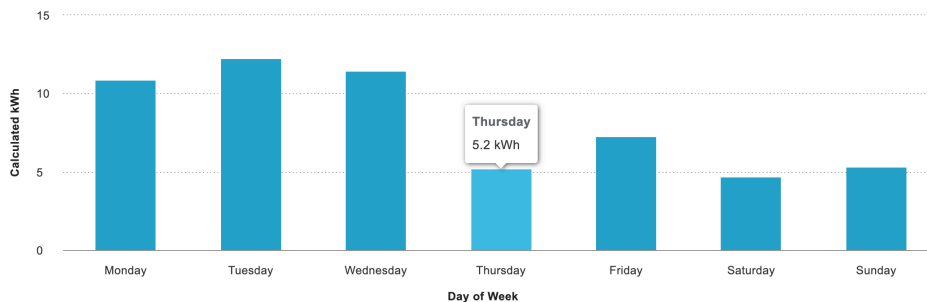
WHY

Smart Meter customers can access and download their electricity data from the ESB Networks Online Account, empowering you to take more control of your electricity usage.

Electricity consumption

Show Day / Night / Peak ● Off

Week starting on 2nd September, 2024: **57.1 calculated kWh.**

Thursday
5.2 kWh

Calculated kWh

15

10

5

0

Monday — Tuesday — Wednesday — Thursday — Friday — Saturday — Sunday

Day of Week

You can track your electricity usage across the day, week or month using your ESB Networks Online Account. We've included a sample graphic above to show you the data available to you – including a breakdown of electricity consumption inside and outside peak hours.

Doing the maths

The Sustainable Energy Authority of Ireland (SEAI) have a webpage linked [here](#) that is dedicated to making the electricity used by each appliance in your home more visible. It contains lots of useful tools for calculating what appliances use the most electricity:

- Energy Use Calculator
- Electricity Cost Calculator

With summer slowly drawing to an end, it will soon be time for us all to think about how we can control our electricity usage as we move towards the darker, cooler months ahead. Stay tuned for more tips and advice!

Yours,
ESB Networks

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ESB NETWORKS

Energising your everything