EDF Energy ecoMeter
Your business energy monitor

Step-by-step user guide

EDF Energy ecoMeter - Your business energy monitor

Welcome to the future of buisness energy

The monitor will change the way you use energy in your business by offering you greater awareness and influence over the amount you consume. It's directly linked to your Smart Meter and receives information from this based on your usage. This information is displayed clearly on the monitor, so you can get a much more detailed picture of your energy habits. The feedback presented by the monitor offers you the following:

- Current electricity usage & cost in real time (every 15 seconds)†
- Historic electricity usage and cost
- Historic gas usage and cost - where applicable (updated every 30 minutes)
- CO_2 emissions
- Current tariff information

Based on how much energy you're consuming, the monitor calculates what this is costing you - both from a financial perspective and an environmental one.

With this information at your fingertips, you can manage your business energy better and work in a more sustainable way. This e-guide tells you how the monitor works and contains important safety and operating instructions. Please read these carefully before using your monitor.

For facts and tips look in the blue boxes.

ecoMeter energy monitor

†If you choose to switch to a different EDF Energy tariff, there may be a delay for your Smart meter to reflect the revised rate(s) on your ecoMeter.

*Calls may be monitored and recorded as part of our customer care programme. Calls to 0800 numbers are free from BT landlines, other network operators' charges may vary.

Contents

In this e-guide you will find:

If you have any questions about this trial, please call our dedicated customer services team free on **0800 068 5918***

Getting started

Installing your ecoMeter

When selecting the best location for your ecoMeter, please consider the following:

- The ecoMeter is most useful when located in a high visibility and readily accessible area such as a kitchen or other common area. For your convenience the ecoMeter can be mounted on the supplied worktop stand.

- If the message 'Cannot Talk To Meter' is displayed by the ecoMeter, please move the ecoMeter closer to the electricity/gas meter or to a more favourable location. As the information shown on the ecoMeter is not used in preparing your energy bill; the display of this message does not indicate a problem with the operation of your meters.

- Do not install the ecoMeter in bathrooms or any other locations with high humidity.

- Do not install the ecoMeter or power pack in direct sunlight.

Health and safety precautions

Please take the following precautions to ensure the ecoMeter functions correctly and is not damaged:

- Use only the power adapter supplied to you with this product. Always switch off power at the power outlet point before attaching or removing the power jack from the ecoMeter.

- Do not use the ecoMeter with a damaged power adaptor or lead. Call our dedicated customer service team who will arrange for a replacement pack to be sent to you.

- Do not overload the power outlet by adding double adapters or by using multiple multi-way sockets off one power outlet.

- Do not expose the ecoMeter to moisture, chemicals or any other liquids.

- Clean the ecoMeter using a soft dry cloth.

- Do not open the ecoMeter. There are no user serviceable parts inside; access by authorised personnel only.

- Supervise young children if they use the ecoMeter.

Your ecoMeter package should contain 1 x ecoMeter, 1 x power supply, and 1 x worktop stand.

Please do NOT dispose of this product with your other household or municipal waste. Take it to an electronics recycling centre or return it to Landis +Gyr at the address on the back cover for proper disposal.

Quick reference guide

1. **Select**
   This button switches between electricity and gas

2. **Readings/Costs**
   This button switches through tariffs and readings, plus costs for electricity and gas for today, yesterday, the last seven days and last 28 days

3. **Usage**
   This button switches through graphs of electricity and gas usage (in kWh) for now, today, the last seven days, the last 28 days, and the last 12 months.

4. **CO2 emissions**
   This button switches through totals and graphs of CO_2 kgs emitted due to your business's energy use for this hour, today, the last seven days, the last 28 days and the last 12 months.

5. **Electricity demand (load) indicators** △
   - Green: current electricity use is below 1,000W (1kWh)
   - Amber: current electricity use is between 1kWh and 2.2kWh
   - Red: current electricity use is over 2.2kWh

6. **Message waiting**
   The blue light indicates a message has been received from EDF Energy, and will remain lit until you press **6a** to read the message.

7. **Menu**
   Pressing this button will display the menu options, including the usage alarm settings.

8. **Menu navigation.**
   Use these buttons to scroll up and down and select menu options.

△ Current load information is not available for gas as the ecoMeter only gets readings from the gas meter every 30 minutes.

How to use your ecoMeter

Default screen: current electricity usage

The ecoMeter uses the light bulb symbol to identify when the information on display is relevant to electricity usage. The default screen provides an instant display of your electricity usage.

As a quick way to monitor how much power is being used around the business, the ecoMeter has a traffic light system of visual indicators beneath the display; where green represents lower usage, whereas red indicates a higher usage.

These are described in more detail below:

- Current electricity usage is below 1,000W (1kW)
- Current electricity usage is between 1kW and 2.2kW
- Current electricity usage is over 2.2kW
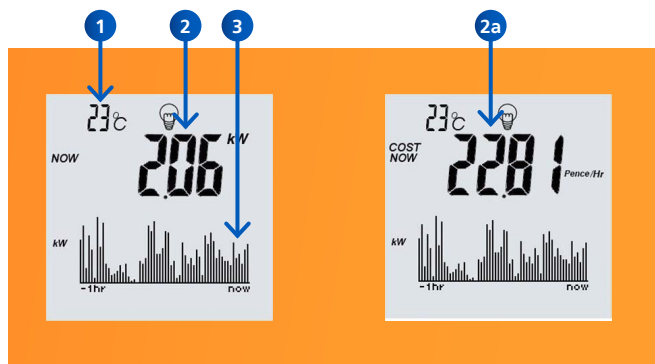
1 Time or temperature.

2 Current electricity usage in kW.

3 Bar graph showing the last hour's electricity usage in kW. Each bar represents one minute.

2a Cost per hour in either £/hr or pence/hr at the current rate of usage. This excludes VAT and CCL.

Your electricity usage is measured by your electricity meter, and appears on your electricity bill, in kilowatt/hour (kWh) units. The appliances in your business use various amounts of energy and these screens allow you to identify those which use more or less than others.

A typical electric kettle will be rated at about 2kW which means while in use it consumes 2kW of power. If the kettle were to be used for a total time of one hour it would consume 2kWh or 2 units of electricity.

While switching individual appliances on and off, the monitor screen will allow you to see easily how much power individual appliances use as well as the cost of running them.

Readings and Costs

The ecoMeter will display energy costs over varying periods, together with meter readings. Press the Readings/Costs button to view this information.

The lightbulb or gas flame at the top of the screen show which energy type the information displayed refers to. You can switch between electricity and gas (if applicable) using the top Select button.
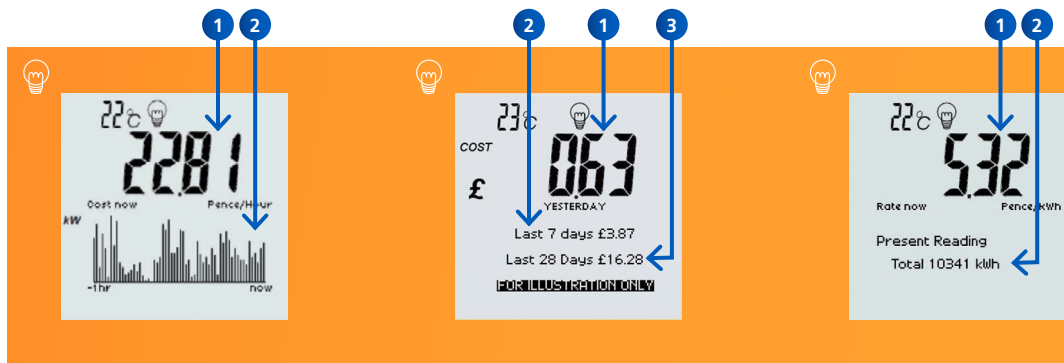
You may find the display of these costs a useful tool both for comparing one period with another and helping with business budgets.

A. First Press - cost now:

1 Cost displayed in pence/ kWh at the rate currently active (excluding VAT and CCL)

2 Bar graph showing the last hour's electricity usage in kW. Each bar represents one minute in kW.
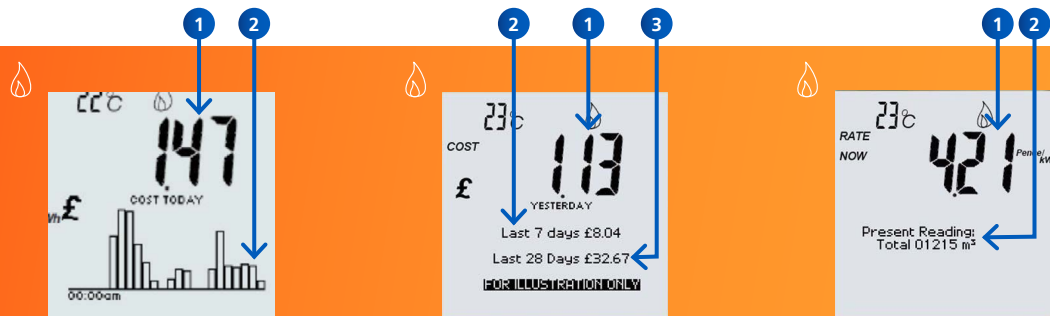
B. Second Press - Historiacal Cost:

Historical costs for electricity usage for yesterday **1** the last seven days **2** and the last 28 days **3** ◊

◊ The periods of time this data represents will start from when your new Smart Meter was fitted.

C. Third Press - Rate now:

Current electricity costs, rate, and actual meter readings

1 Cost displayed in pence/ kWh at the rate currently active

2 Actual meter reading as displayed on the meter.

Gas display - available only if a gas Smart meter was fitted

A. First Press - Cost Today

1 Cost of gas since start of day

2 Graph of hourly usage since start of day

B. Second Press - Historical Cost:

Historical costs for gas usage for yesterday **1** the last seven days **2** and the last 28 days **3** ◊

◊ The periods of time this data represents will start from when your new Smart Meter was fitted.

C. Third Press:

Current gas costs and actual meter readings.

1 Cost displayed in pence/kWh.

2 Actual meter reading in m³ shown as it appears on the meter.

Historical energy usage

The ecoMeter stores historic information on your energy usage that will help you to compare different time periods.‡ This additional information is displayed by pressing the usage button.

You can switch between gas* and electricity usage by pressing the select button.

1st Press

Usage now.

1 Shows current electricity usage in kW.

2 Each bar in the graph represents one hour of energy use.

2nd Press

Energy used so far today.

1 Total kWh used today.

2 Each bar in the graph represents one hour of energy use.
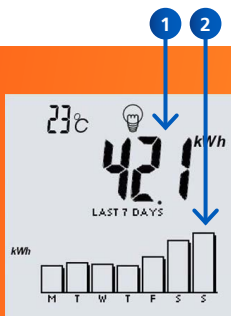
Note: This screen is available for both electricity and gas usage (where gas Smart meter was fitted). Switch between the two by using the top select button

This historical usage information may help you identify what energy saving behaviours have been effective and also what events resulted in higher energy use over the different periods of time displayed.

The electricity screens will show any savings achieved by turning lights off when not needed, or taking appliances off stand-by.

You may find the longer time periods shown on these screens particularly useful if you have taken energy-saving steps such as a change to energy saving light bulbs.

In the same way, the information displayed on the gas screens should prove particularly useful for optimising the way your gas central heating is set to operate as it will reflect any savings made by turning room thermostats down by even a very small amount.

‡ The periods of time this data represents will start from when your new Smart Meter was fitted.
* If a Smart gas meter has not been fitted then these screens will show electricity data only.

3rd Press

Energy used in the last seven days.

1 Total kWh used in the last seven days.

2 Each bar in the graph represents one day of energy use.

Note: This screen is available for both electricity and gas usage (where gas Smart meter was fitted). Switch between the two by using the top select button
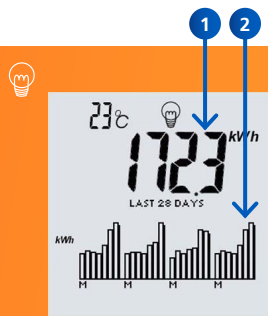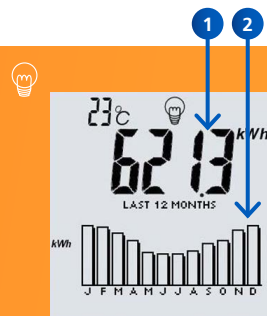
4th Press

Energy used in the last 28 days.

1 Total kWh used in the last 28 days.

2 Each bar in the graph represents one day of energy use.

Note: This screen is available for both electricity and gas usage (where gas Smart meter was fitted). Switch between the two by using the top select button

5th Press

Energy used in the last 12 months.

1 Total kWh used in the last 12 months.

2 Each bar in the graph represents one month of energy use.

Note: This screen is available for both electricity and gas usage (where gas Smart meter was fitted). Switch between the two by using the top select buttonbetween the two by using the top select button

Carbon dioxide (CO2) emissions

Emissions

The ecoMeter displays the tree logo whenever the information on view represents CO_2 emissions that may be attributed to your business energy usage. This information is accessed by pressing the tree button.

You can switch between gas, (if applicable) electricity and total CO_2 emissions for both gas and electricity by pressing the select button. △

Most people wish to minimise their impact on the environment. The ecoMeter allows you to act in an informed way, and to make decisions about your energy usage and its environmental consequences based on real information.

CO_2 emissions are the single largest man-made contributor to global warming.[††]

[††]According to DEFRA and the Office of National Statistics 'UK Climate Change Sustainable Development Indicator: 2006 Greenhouse Gas Emissions Final Figures' 31/1/08.
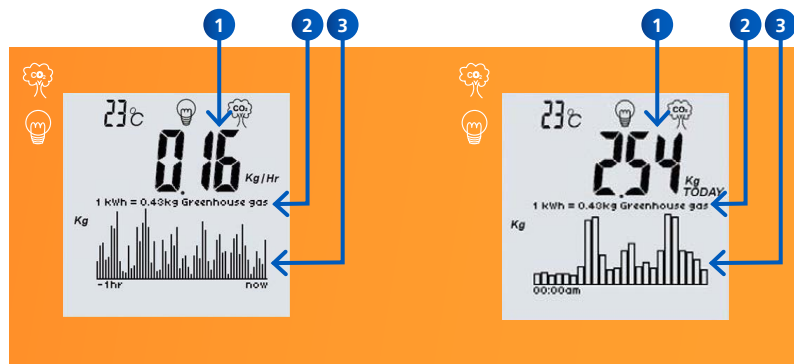
A. Press button once: Current usage

Current CO_2 emissions caused by electricity usage.

1. Emissions per hour in kg of CO_2 at your current rate of energy usage.
2. Current relationship between kg of CO_2 and kWh of electrical energy.[†]
3. Bar graph showing CO_2 emissions over the last hour with each bar representing one minute.

B. Press button twice: Today's usage

CO_2 emissions caused by electricity usage today.

1. Emissions in kg of CO_2 attributable to business electricity usage today.
2. Current relationship between kg of CO_2 and kWh of electricity used.[†]
3. Bar graph showing CO_2 emissions for today with each bar representing one hour.

△The ecoMeter will provide you with CO2 emission information for gas if you have a Smart gas meter with EDF Energy. If your gas is provided by another supplier then the CO2 emissions information will only relate to your electricity usage.
† Both gas and electricity calculations are set by OFGEM based on 'emission factors', i.e. the amount of carbon dioxide emitted for every kWh of energy generated. The ecoMeter uses a national weighted average or 'fuel mix'. Each supplier gets their energy from different sources; this is what we mean when we say 'fuel mix'. The calculations on this unit are based on the fuel mix across the UK energy industry.
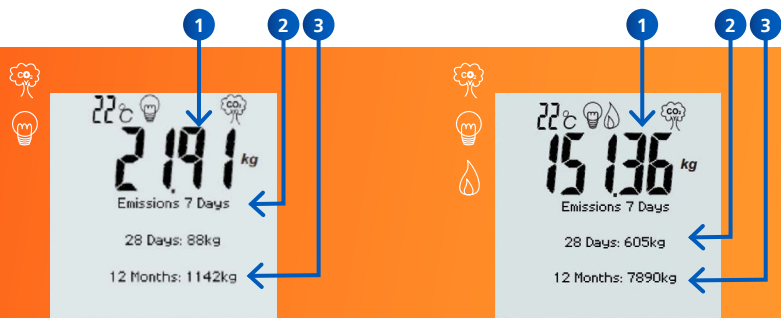
C. Press button three times: Historical usage

Historical CO_2 emissions attributable to total energy usage (electricity and gas combined,where gas is available).

① Total kg of CO_2 emitted over the past seven days.

② Total kg of CO_2 emitted over the past 28 days.

③ Total kg of CO_2 emitted over the past 12 months.

Note: This screen is available for both electricity and gas usage (where gas Smart meter was fitted). Switch between the two by using the top select button.

Combined Emissions

Today's CO_2 emissions for energy usage (electricity and gas combined, if applicable).

① Total kg of CO_2 emitted over the past seven days.

② Total kg of CO_2 emitted over the past 28 days.

③ Total kg of CO2 emitted over the past 12 months.

Note: You can access this information by pressing the emissions button once and the select button to switch between electricity, gas and total household energy usage.

ecoMeter usage alarm function

Your ecoMeter menu

The ecoMeter allows you to set yourself targets and alarms to help monitor your usage. You can set the alarm to alert you if, for example you want to set yourself a target of using no more than £5.00 per hour. Once set, the alarm will let you know if you have reached this target. To do this, follow these instructions.

To activate the alarm:

Press	○	menu once	1 Set Up will be highlighted
Press	○	enter once	1 Buzzer Options will be hightlighted
Press	○	enter again	Set Buzzer will be highlighted
Press	○	enter again	to highlight ON
Use	∨∧	keys	to switch ON OFF
Press	○	enter once	to highlight Set Buzzer
Press	○	menu once	to exit to main menu
Press	○	menu again	to resume normal operations

Once the alarm is activated, you will need to set your usage target.

The menu option called 'System info' in the menu displays your meter serial number. This is for information only.

To set your usage target:

You can use your ecoMeter to alert you if electricity costs per hour exceed an amount you specify. To enable this function:

Press	○	menu once	1 Set Up will be highlighted
Press	∨	twice	to highlight 3 Usage Alarm
Press	○	enter once	Set Alarm will be highlighted
Press	○	enter again	to highlight the alarm level (£ 0 .00/Hour)
Use	∨∧	keys	to enter desired value
Press	○	enter once	to display Set Alarm followed by set value
Press	○	menu once	to exit to main menu
Press	○	menu again	to resume normal operations

Turning your alarm off:

- Pressing any button will temporarily turn off the alarm. The usage alarm remains set to alert you next time the alarm level is exceeded.
- You can change your usage alarm any time and as often as you wish.
- Setting the usage alarm to zero will disable it.

Call Customer Services free on
0800 068 5918*

e-guide - a better way of working

Why an e-guide? At EDF Energy we are committed to using the most sustainable working practices wherever possible and this includes when delivering communications to our customers. E-guides significantly reduce the volume of printed material we need, reducing our carbon footprint and contributing towards our 2012 Climate Commitment pledges.

Our customers appreciate e-guides because they offer timely delivery of easy to access information in an ideal format for the modern screen based working environment.

edfenergy.com/sme

To view our fuel mix visit edfenergy.com

In case of emergency (24hr)

Power cut

To report an electricity power cut or emergency, contact your network distributor:

London – including Greater London
0800 028 0247

South East of England – including Kent, Surrey and Sussex
0800 783 8866

South West of England – including Cornwall, Devon Somerset and Dorset
0800 365 900

If you smell gas

Call the emergency hotline free on **0800 111 999**

The phone lines above are open 24 hours a day.

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