

Gurteen Agricultural College

Environmental and Sustainable Farming

Level 6 Certificate
In association with
Susliving

Module 8

Evaluation of Energy and Resource Usage, Efficiency
& Conservation on Farms

8.2 Electricity rates, unit costs & providers

Evaluation of Energy and Electrical Power on the Farm

Unit 8.2

This session aims to provide the learner with the knowledge and Skills to

- Identify the different electrical energy suppliers in Ireland
- Be able to compare prices and costs for a given energy usage
- Appreciate the different rates between day rate and night saver rates.

Group exercise

Using the internet search for “ Irish energy provider comparisons”

Using actual data from your group , enter your usage and report back to class

Energy usage

Total for most expensive and least expensive provider and annual savings.



Your account number **1** 123456789

To ask about this bill **2** call 1850 372 787
Open Mon - Fri, 9am - 5.30pm

For emergencies or electricity interruptions **3** ESB Networks call 1850 372 999
Open 24 hours, 7 days a week
Please have this MPRN number ready

| | | |
|----------------|----------------|---------|
| MPRN | 10 XXX XXX XXX | |
| DG | MC | Profile |
| 005 | MCC01 | 5 |
| Date of issue | 12 Dec XX | |
| Invoice number | 12345678 | |

Customer Name
Address line 1 **7**
Address line 2
Address Line 3

This bill is for **8**
House Name, House address, Town name

Your electricity bill at a glance

Full details of your account are on the back of this bill

9 Billing period
13 Oct xx to 11 Dec xx 60 days

10 Reading type
We read your meter

Bill summary

| | | |
|-----------------------------------|-------------|-----------|
| Your last bill | €1231.84 | 11 |
| Payments/Transactions | €1231.84 cr | 12 |
| Balance brought forward | €0.00 | |
| 13 Charges for this period | €1139.78 | |
| VAT | €153.87 | |

14 Total due €1293.65

Pay by Direct Debit

Your direct debit is due for collection on XXXX/XX. Thank you.

Payment terms are 14 days from date of bill issue or immediately if overdue. Information on the Fuel Mix and environmental impact is on the back of this bill.

Electric Ireland is a registered trademark of ESB

VAT Reg. No. IE BF 52100V ESOE



15

93-20-86
Bank Date/Branch

Bank Giro Credit Transfer
Allied Irish Banks plc.
7/12 Dame Street, Dublin 2
Giro No. 81900087

Ms Customer Name

| | | |
|----------------|---------|--|
| Date | | |
| Notes/Coins € | | |
| Total cash € | | |
| Cheques etc € | | |
| Total amount € | 1293.65 | |



ESB/CS BSA EN 0004

Your electricity bill in more detail

Abbreviations a: actual reading e: estimated reading c: customer reading p: price change cr: credit

| | | |
|--|----------------------------|------------------|
| Your last bill | Total € | |
| Your last bill | 1231.84 | |
| Payments/Transactions | 1231.84 cr | |
| Balance brought forward | 0.00 | |
| Your electricity usage Tariff - General Purpose | | |
| meter number | current reading | previous reading |
| XX17 | 1898 a | 95776 a |
| | unit usage | unit price € |
| | 6122 | 0.1802 |
| | unit type | Amount |
| | General | 1103.18 |
| Total electricity charges | 1103.18 | |
| Standard charges and other items | | |
| Standing charge | 60 days at €0.4510 per day | 27.06 |
| PSO Levy Oct/Nov | | 9.54 |
| VAT | 13.5% on €1139.78 | 153.87 |
| Payments/Other Transactions | 1293.65 cr | |
| Payment received thank you | 1293.65 cr | |

Your energy consumption on this bill amounts to approximately XXkg of carbon emissions

The Public Service Obligations (PSO) Levy

The PSO Levy, determined by the Commission for Energy Regulation, is charged to all electricity customers and relates to the recovery of any additional costs associated with meeting the obligation to purchase electricity generated from sustainable, renewable and indigenous sources.

Do bhílle as Gaeilge

Má theastaíonn uait do bhílle a fháil i nGaeilge, sheol níomhphoist chuig eolas@electricireland.ie nó glaoigh ar 1850 372 372, agus beimid síláta an socru sin a chéanamh duit.

Customer Service

Please have your account number to hand when you contact us. We can only discuss account information with the account holder.

1850 372 787 Mon-Fri 9am-5.30pm

+353 1 852 9534 (International customers)

Email: business@electricireland.ie

Address: Electric Ireland, PO Box 841, South City Delivery Office, Togher, Cork

Emergency

For emergencies, electricity interruptions or to report dangerous situations call ESB Networks:

1850 372 999

Connection and Metering

For new connections, metering services and quality of supply call ESB Networks:

1850 372 757

From outside Republic of Ireland call:

+353 21 4947260

Complaints

Call: **1850 372 372**

Email: service@electricireland.ie

If not resolved to your satisfaction, please write to Electric Ireland, Complaints Facilitator, PO Box 5, Henry St, Limerick or email: complaintfacilitator@electricireland.ie

If you have completed the complaints process and you feel your complaint still has not been resolved to your satisfaction, you can contact the Energy Customers Team at the Commission for Energy Regulation: 1890 404 404 or email: energycustomers@cer.ie

Payment Options

Direct Debit

www.electricireland.ie/directdebit

or call **1850 372 372**

Laser/Visa Debit Cards

www.electricireland.ie/laser

or call **1850 372 372**

Online or telephone banking

If using this service please quote your 9 digit Electricity Account Number in the reference field.

Cash

Paypoint, Payzone, AIB and most other banks, PostPoint and An Post.

Cheque

Send a cheque made payable to Electric Ireland together with a completed Bank Giro slip (attached to the bottom of this bill) to: Cheque Payments, Electric Ireland, PO Box 12152, Dublin 15. Please do not send cash by post.

Electronic Funds Transfer

You will need the following details to pay via EFT:

Your Electricity Account Number

IBAN: IE36AIBK93208681900087

BIC: AIBKIE2D

Please allow up to 5 working days for payments to appear on your account.

Electric Ireland Fuel Mix Disclosure Label

Applicable period: January 2010 to December 2010

| Electricity supplied from the following fuels | Electricity supplied by Electric Ireland (All Ireland) (% of total) | Average All Ireland Market for comparison (% of total) |
|---|---|--|
| Coal | 16.4 | 16.0 |
| Gas | 65.7 | 64.1 |
| Oil | 1.6 | 1.6 |
| Peat | 5.9 | 5.8 |
| Renewables | 9.9 | 12.1 |
| Other | 0.5 | 0.4 |
| Total | 100.0 | 100.0 |

Environmental impact

CO₂ Emissions: 532g per kWh 519g per kWh

For more information on the environmental impact of your electricity supply visit www.electricireland.ie/fuelmix

Reading an Electricity Bill

1. Account Number: Your account number.
2. Contact Number: The contact number for your energy company in relation to your bill.
3. Emergency Contact Number: The emergency contact number for your energy company.
4. MPRN: The MPRN (Meter Point Registration Number) identifies your connection to your energy company's network. It is unique to your premises.
5. DG, MC and Profile: These are used to identify your Meter Configuration and usage Profile.
6. Invoice Number: Each bill has it's own invoice number.
7. Bill Address: The chosen postal address for your bill.
8. This bill is for: An address will only be shown here if the postal address is different to the supply address.
9. Billing period: The period for which your electricity consumption is billed.
10. Reading type: One of 3 messages will appear here depending on whether your meter was read by the energy company, whether you supplied the meter readings yourself, or whether the meter readings were estimated by the energy company.

Reading an Electricity bill

12. Payments/Transactions: A summary of transactions including payments since your last bill.
13. Balance brought forward: The total balance due from your last billing period.
14. Charges for this period: For a detailed of the bill charges this period, see the reverse of your bill.
15. Total due: The total amount due for payment. Payment options will be listed on the reverse of your bill.
16. Remittance Advice: This section should be detached and sent in with non-direct debit payments.
17. Price Plan: This is the energy company's price plan you are on.
17. Meter Readings: Your present and previous meter readings are displayed here. Company meter readings are indicated by an 'a', customer submitted readings by a 'c', and estimated readings by an 'e'.
18. Unit usage x Unit price: This is the total number of units used in your billing period multiplied by the price per unit.
19. Standing Charge: The standing charge is shown as a daily figure which is multiplied by the exact number of days that your bill covers.
20. PSO Levy: See the explanation at the bottom of the bill in relation to the PSO Levy.
21. Carbon Emissions: Shows the amount of kilograms of CO₂ produced as a result of your energy consumption this period.

Evaluating electrical energy usage:

Establish the level of current energy usage on your farm:

- You will need at least 10 previous electricity bills from your farm.
- Complete the following Record the Evidence worksheets to establish the current level of usage on your farm.