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Energy terms and glossary

Metering

Half Hourly (HH) Meters

These are electricity meters usually installed on large consuming sites which record how much electricity is used every half an hour. Since April 1998, code 5 meters have been mandatory for all sites over 100 kva, and voluntary for sites under 100 kVa. This meter sends your consumption record by telephone or radio every half-hour to a central data bank. The supplier will then receive this information from the data collector and bill the client accordingly. The profile class for these meters are 00.

Non Half Hourly (NHH) Meters

These are electricity meters which do not automatically read consumption every half an hour. These meters need to be manually read and sent to the supplier for use on invoices. The profile class for these meters are 03-04 (quarterly billed) and 05-08 (monthly billed).

AMR (Automatic Meter Reads)

This is the term given to a system that provides automatic meter readings remotely. It uses telephone technology and holds the ability to transfer data into a billing system.

When an AMR is installed on a meter, it allows the supplier to pull an actual reading from the meter when billing the account.

Smart meter

Smart meters are electronic devices which are connected to your electricity and/or gas supply and record your usage, communicating this with your supplier.

Electricity – provided an AMR is installed, there is an additional option you can choose to obtain half hourly data for your nonhalf hourly (NHH) AMR metered supplies on a day +1 basis. This option is called Intelligent Analytics (IA). Intelligent Analytics is a chargeable service at around \pounds 3.75 per meter. If you would like this applied to NHH AMR supplies, please confirm the supply details and the date you would like IA to start from.

Gas – AMR's are free of charge and depending on your supplier we carequest the HH data on a day +2 day basis.

Procurement options

Fully Manged (FM)

LASER manage your portfolio which includes: Procuring the energy, verifying prices, validating invoices and LASER will liaise with the supplier on your behalf for any enquiries raised, and will open a query on our system to ensure that this is resolved as soon as possible for you. We will ensure that the council is provided with regular updates.

Procurement Only Service Option (POSO)

LASER has responsibility for obtaining and the validation of the contract price, but does not handle any billing issues, queries or contract management, which is done directly from the authority to the appropriate supplier.

Purchase In Advance (PIA)

LASER procure 100% of your energy before the pricing period. The benefits of this basket options are:

- to maximise the chance of outperforming the average market price.
- you have price certainty for a one-year period allowing you to budget.

Purchase Within Period (PWP)

LASER have the ability to procure energy within the consumption period. We set a reference price on the 1st October and the 1st April each year based on the purchases we've made prior to the consumption period and how much is left open to purchase.

The benefits of this basket option are:

- Improve the chance of outperforming the average market price but without the price certainty.
- The chance of receiving a financial rebate on the reference price paid if our purchases outperform the market within the consumption period, there is a risk you may have to pay more if the market goes above the reference price set.

FTFP (Fixed Term Fixed Price)

LASER purchase 100% of the annual usage on one day in one transaction, if the market drops off by 10% the next day you're unable to take advantage of this decrease, you can normally purchase for a 1,2 or 3 year period. The benefits of this basket option are:

- You might purchase 100% of your energy requirement when the market is at its lowest point, but the market price fluctuates.
- Price certainty.

Metering/Invoice charges

Distribution Network Operator (DNO)

If you are unsure who is the DNO for a specific electricity supply, please use the following table. The first two digits of the MPAN will determine who the DNO is:

The first 2 digits of the Supplementary Data identify the Profile Class. This is applied to each MPAN to clarify the expected electricity usage. The table below identifies what each profile class means:

Each DNO operates a Meter Point Administration System (MPAS) which holds the following information for each MPAN:

- Supplier
- Data Collector (DC)
- Data Aggregator (DA)
- Meter Operator (MOP) or Meter Administrator for HH unmetered
- Customer
- Address of the exit point
- Associated MPANs
- MPAN state
- Profile Class (PC)
- Line Loss Factor Class (LLFC)
- Meter Time Switch Class (MTC)
- GSP Group
- MPRS is the name of the software package that implements the MPAS system for all DNOs. Since MPRS is used by most DNOs it is often used interchangeably with the term MPAS.

Meter Operator (MOP)

The meter operator is in charge of the general maintenance and upkeep of the electricity meter they are assigned to.

Data Collector (DC)

The data collector will gather the information from the meters, for example STARK who allow us access to their half hourly data.

Annual Quantity (AQ)

It is the sum of the annual consumption of all meters on a site. This comes from National Grid, and is based on historical usage from previous years. Measured in kWh (electricity) or Therms (gas). Supply Point AQ is the total annual consumption of all meters on a site. Meter Point AQ is the AQ for a particular Meter Point.

Meter Point Administration Number (MPAN)

Unique electricity supply Number to a property. It is also the term used in the Electricity Industry for a Supply ID. Each MPAN is 13 digits long and identifies different elements of the meter (please see below). There is an additional 8 digits known as the supplementary data, which usually follows the MPAN. Version 1.03 26 R0180

LASER mainly uses the first two digits of the MPAN as it clarifies what distribution area the meter is located in.

Class	Explanation
00	Half Hourly metering (monthly billed
01-02	Domestic Usage - Not usually on LASER contract (quarterly billed)
03-04	Quarterly billed sites
05-08	Monthly billed sites

Meter Point Reference (MPR) or Meter Reference **Point Number (MPRN)**

Also known as Supply ID, This is a unique reference number given to every registered supply point which a gas meter is attached to. MPR assigned to the supply should never change, unless a supply is removed and or replaced. A MPR is 10 digits long, although the preceding zeros tend not to be displayed.

Meter Serial Number (MSN)

This is an identification number for each meter which is displayed on the front of each gas and electricity meter.

- Gas meters can be imperial or Metric.
- Imperial meters are normally billed in Hundred Cubic Feet (also known as Standard), the variance to this is Single, Ten and occasionally Thousand Cubic Feet
- Newly installed gas meters will be Metric meters. M016K0087607D6 is an example of a metric serial number, the 6 (following the D) denotes that it will be billed to 6 digits.

Maximum Demand

The greatest amount of electricity in kWh's passed through the meter at one point.

Meter Asset Manager (MAM)

The MAM is in charge of the general maintenance and upkeep of the Gas meter they are assigned to.

Meter Exchange (MEX)

This is when one meter is replaced for another meter which may be old or faulty. There will be no alteration to the pipework. If an exchange has taken place on a gas meter the engineer should place sticker on the new meter that shows the details of the exchange.

LASER mainly use the first two digits of the Supplementary data as it identifies what profile the meter is.



Available Capacity (AvCap)

Also known as the Agreed Capacity, this is an agreed amount of electrical load for a property, as stated in the property's Connection Agreement with the local Distribution Network Operator (DNO).

Estimated Annual Consumption (EAC)

The expected annual usage for individual supply.

What's next?

For any questions, please reach out to your customer service team:

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