

Utilities

Charges

Things you pay for:

Utilities Tariffs

Water, the water rate (charged per litre) is the same tariff that Yorkshire Water charges Little Kelham Utilities Ltd.

Unit Costs, water rate is 0.26 pence per litre.

Yorkshire Water Shared Standing Charges, the standing charges that Yorkshire Water charges to Little Kelham Utilities Ltd are shared between houses and offices as a proportion of the total number of houses and offices at Little Kelham. On top of this a contribution towards the Little Kelham Utilities Water Infrastructure. The daily water standing charge rate is currently 11 pence per day.

Electricity, is charged per Kilowatt Hour (kwh). One kwh is roughly enough to boil about ten 1 litre kettles.

Unit Costs, here are 4 electricity tariffs: a daytime rate, a night time rate, and for each of these a summer and winter rate.

These rates are always the same rate that Little Kelham Utilities buys it from the main supplier, which is currently Good Energy. You get the bulk supply rate, but directly to your home.

Water

The water into the site is served through a single water pipe, supplied by **Yorkshire Water**.

You have a main **incoming water meter** in your home which is used to **monitor how much water you use**. This is a smart meter and the data is collected on a minute by minute basis. **Little Kelham Utilities** uses this information to send you a bill each month. The smart meter readings are also displayed on the meter so you compare them against your automated bills.

This meter is dial based meter that is read by a **digital eye**. Every time a litre is used, it sends a pulse back to the **metering system** which keeps a record of the total number of litres used.

This meter is **calibrated periodically** to ensure that the dial matches exactly with the digital reading. The dial is the most accurate way to read the meter, and the digital reading is adjusted to match this. If there is an adjustment needed this will be made on your bill.

The **CIC** owns all the pipes leading up to the threshold of the property. In a typical home you would have to pay to maintain these yourselves, but at **Little Kelham**, this is all taken care of by the CIC (which everyone makes a contribution to). As part of your monthly bill, you pay a contribution towards the cost of this infrastructure.

Prices will change depending on bulk buy rate from Good Energy at time of purchase, which is usually every 12 months.

Data

In a typical home, you would have an internet contract with one of many internet providers. As part of your monthly fee, you pay for data, but also the use of the cabling infrastructure to get the internet into your home. Most providers also require you to pay for a phone line, even if you don't want a landline phone.

The cabling infrastructure would be provided in the form of a copper telephone cable, or a fibre to the street connected to a copper cable into your home. Even with a fibre to the street, the speed of the data has to slow down when it travels down the final part of the copper cable from the box in the street to your home.

At **Little Kelham**, we connect directly into the main **fibre internet backbone**. This internet pipe connects to a **high speed router** in the main server room located on site, and then connects via another **fibre cable directly into your home**. The fibre termination point in your home is very delicate and should not be moved.

This means there is **no copper cable** in the chain, **keeping the speed as fast as possible**. It also ensures that in the future as internet speeds increase, **your fibre connection will much better placed to take advantage of this**.

TIP: To get the full speed of the fibre connection make sure you're hard wired into the router, or use your wifi devices in close proximity to the router.

The size of the main incoming internet pipe is sized according to the number of people living and working in **Little Kelham**. We then make sure it's shared fairly between the homes and offices.

Some internet providers may make big promises of high speeds, but in reality this is a speed that is shared between hundreds of people and would only be achieved if no-one else was using the data connection. **Little Kelham CIC** will be transparent with the size of the incoming pipe and how many homes and offices share it.

The **CIC** has appointed **3TL**, a local internet service provider (ISP) to manage the **Little Kelham network**, and to provide technical support to keep your home connected.

At present there is a **500 Mbps** fibre connection that shared between **36 houses**. We are now ready to increase this connection as more people move into **Little Kelham**.

Telephone

One of the other **benefits** of the shared **fibre connection** is that you **don't need to also pay for a phone line** in order to use the internet.

If you want a landline you can use an IP (Internet Protocol) phone which works over the data network, without the normal monthly line rental costs.

The internet service provider, **3TL** can provide you with IP telephony, or you can use any other IP telephony provider who'll set you up using your fibre data connection.

TV

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The internet service provider **3TL** can provide you with IP telephony, or you can use any other IP telephony provider who'll set you up using your fibre data connection.