



TEMPLEBOROUGH BIOMASS POWER PLANT POWERING A RENEWABLE FUTURE

GENERATING



OF GREEN
ELECTRICITY

SUPPLYING



HOMES WITH
ENERGY

SAVING OVER



TONS OF CO₂
A YEAR

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Our renewable energy biomass power plant will generate clean, green energy using waste wood as a fuel and so is great for the environment. We plan to open in August 2017 when our plant will generate just over 41MW of green electricity which is enough to supply 78,000 homes and save over 150,000 tons of CO₂ every year.

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Welcome to the second newsletter for the Templeborough Biomass Power Plant. We are now one year into our construction and have reached this milestone with a great safety record which we are keen to maintain. We also want to continue to provide you with our latest news and to keep you up to date with all our activities as our project continues to develop. We have tried to answer some of the questions you may have, but please do get in touch or visit our website if you'd like to know more.

Our project is one of a growing number of renewable energy projects across the UK, all of which generate clean and safe forms of power from renewable sources which never run out. Even more importantly, renewable energy generation contributes to cleaning up our environment by reducing the climate change gasses we generate to produce our energy needs, so helping to protect our environment. Our renewable energy plant is expected to start producing power in August 2017 when it will generate around 41MW of green electricity, which is enough to supply over 78,000 homes and save over 150,000 tonnes of CO₂ every year.

	2015				2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
WORK AT THE SITE												
Site Clean-up												
Piling & Foundations												
Foundation Works												
Equipment Erection at Site												
ELECTRICAL CABLE WORKS (SHEFFIELD ROAD AND MEADOWHALL)												
Streetworks in Sheffield Road												
Streetworks around Meadowhall												
Pull cable through the installed ducts												
PREPARATION FOR OPERATION												
Commissioning Main Systems												
Testing												
Start of Operations												

Project Timeline - Tentative/Indicative project timeline for information purposes only – subject to change.

How are we getting on?

Since our last newsletter in September plenty has happened at the site. We now have over 150 people working here every day.

The work on the foundations is largely complete. Most of the piling has already taken place, although the process created some noise, it did ensure that the buildings are supported as securely as possible. The new plant buildings have now started to take shape, with steel supports and the first sections of wall emerging above ground level.

The concrete foundation slab that supports the boiler building was completed on December 4th – at 43m high and around 1,000 tonnes, the boiler is the tallest and heaviest of our buildings. The boiler's steelwork frame, the stairs and lift shaft are now a new feature of the Rotherham skyline. Supported by the boiler frame at around 12m height is the grate on which the waste wood will burn to generate the heat.

We have made really good progress with the cable laying thanks to the hard work of our construction teams. All of the ducting has been completed along Sheffield Road up to the M1 roundabout and also from the Sheffield side of the roundabout through Vulcan Way past the Sainsbury petrol station.



The work around Meadowhall Way is also nearly complete although you may not have noticed us doing this as all the work has been taking place at night. We didn't want to cause you any unnecessary delays visiting and leaving the centre, particularly over the busy Christmas period so, during November and December, we carried out this work between midnight and 6am the following morning. This enabled us to tidy up and pack everything away so that the roads and pathways were back to normal for you every morning.

We continue to work closely with Sheffield City Council and with Meadowhall to make sure the times we are working and our impact on the area are causing as little inconvenience as possible to their businesses and our community. After all the work undertaken during 2015, we now only have around 0.5km of the 4.5km total roadworks to complete.

What will you see happening in the next few months?

During the next six months, the number of people working at the site will rise to over 250 as the new buildings start to go up. You may already have seen some of the large component parts for our power plant travelling to our site throughout the first three months of this year. This will accelerate as large parts of the boiler steelwork and tube sections continue to be delivered through to the end of April, the main internal electrical switches and transformers in May, the chimney in June with the finale in August when the very large abnormal load of the turbine & generator system will arrive on site.

We have limited space at the site so the components delivered are put in place shortly after delivery. During March we have started to use the tube panels delivered to build the boiler and this will continue through April and May. This also signals the start of the main lifting work as the larger cranes are brought in to cope with the heavy weights. Our power plant will then really start to take shape as all this specialist equipment is slowly pieced together.

A new steel bridge will be built across the River Don for the power plant during June and July. This again will give rise to large abnormal loads making their way to Templeborough during May.

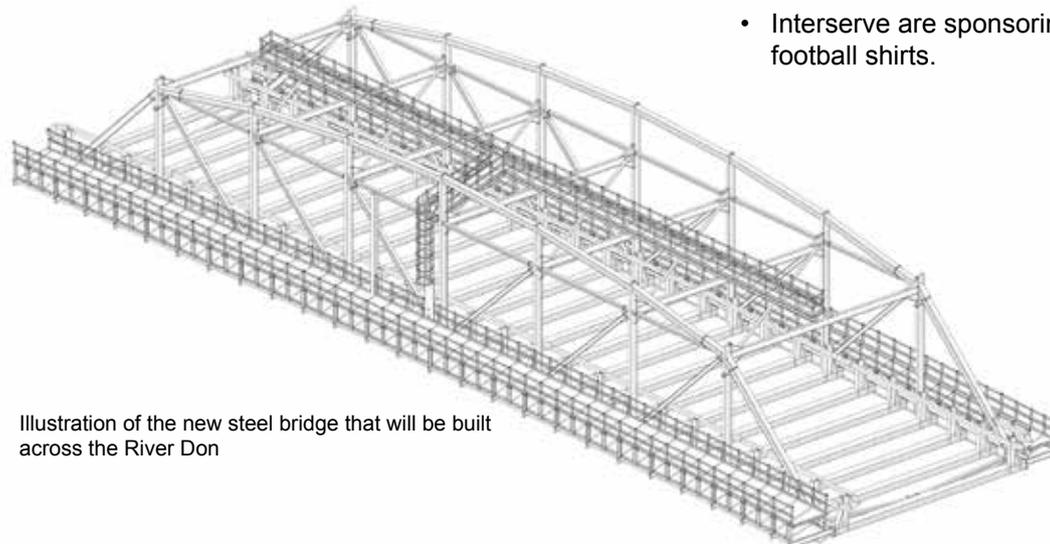


Illustration of the new steel bridge that will be built across the River Don

By early April, all the ducts along the cable route will be laid and in May we will pull the cable into place through these ducts. After all the work laying the ducts, the cable pull will not involve any disturbance to the roads and you should hardly notice us doing it. Recently we discovered service ducts already installed under the M1. This means we won't have to drill under the motorway so there is no need for further road works and ensuring this part of the work is finished very quickly.



If you would like to watch our progress in more detail then we'd love you to take a look at our website at www.templeboroughbiomass.com. There is more information on our construction and cable laying programme, as well as FAQs to try and answer your most popular questions. You will also find links to two time lapse cameras overlooking the site, so come rain, sunshine or snow you'll be able to watch our progress as it happens.

What are the benefits to the local Community?

Whilst hard at work designing and constructing the power plant, members of the Templeborough team, including the main sub-contractors, Interserve and Babcock & Wilcox Vølund are also working hard to spread their knowledge, skills and enthusiasm within the local community:

- Templeborough has joined the local Barnsley and Rotherham Chamber of Commerce.
- The Site team have developed a partnership with Rotherham College and are starting to welcome work experience placements from the college as well as taking classes on site tours.
- Interserve are sponsoring Rotherham College's football shirts.



- Interserve team members contributed to a careers day at a local secondary school providing interactive sessions on a career in construction. The day involved 250 students.
- We also ran an Insight Zone at the TeenTech event in March. Held annually at Doncaster Racecourses this is a day designed to inspire 300 students aged 12-13 from multiple local secondary schools that a career in science, engineering and technology is the future!
- Two of the site team have volunteered to be TEKK Ambassadors. This involves partnering with a local school to help deliver a Challenge Project over a number of weeks with students aged 9 to 12 during the Spring term.
- For further information take a look at the Community Benefits section of our website at <http://www.templeboroughbiomass.com/community-benefits/>

How much of the plant will be made locally?

Our power plant is made from many different parts which have to be sourced from companies who specialise in the manufacture of such state of the art equipment. After a lengthy procurement exercise involving companies all over the world, 100% of the project will be manufactured and built by EU based companies. Furthermore, British firms are well represented on the supplier list. With only 12 months of our 28 month build completed, the region around South Yorkshire is already fairing really well amongst this international competition and many local companies are working with us on site, here are just a few:

- **Bulk Excavation and Remediation** - Braithwaite's from Barnsley
- **Site Investigations & Dewatering** - ESG from Doncaster
- **Piling** - Simplex from Lancashire (Concrete & Bulk Earthworks sub-supply - Rotherham & Sheffield)
- **Groundworks** – Moortown from Bradford
- **Cranes and heavy lifts** - Ainscough from Sheffield
- **Steel Frame Structures** - Elland Steel from Halifax
- **Cladding & Roofing** - Barrier Architectural from Retford
- **Water Tanks** - Plasticon from Hull

- **Building Services** - Interserve Engineering Services from Leeds
- **High Voltage Connection Cable** - Interserve Industrial Services (Power) from Wakefield

Altogether, these teams will employ 150-200 people during the construction programme and this list will be added to as the project progresses. All of which goes to show that even though this is a global project sourcing from where the best equipment and the best skills can be found, buying British is still the natural choice for a significant proportion of the project and local companies are a significant part of the story. In fact, to date the project has committed over £40m to the local supply chain and has bought British for over £65m of its budget.

How can we work with you?

We know that however hard we try there will be negative as well as positive impacts from having us as neighbours. We want to continue to work with you to make the most of the opportunities and minimise any inconvenience which might occur. We honestly believe that communication works best when it's a conversation so we need you to talk to us, ask any questions, tell us of any challenges and help us be the best neighbours we can be. We have set up a dedicated point of contact for you and want to encourage you to get in touch and stay in touch as our project progresses.

So if you have a question, comment or something you would like to share with us please contact

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For those of you who missed our introductory newsletter from the Summer, please find this at www.templeboroughbiomass.com/2015/10/22/project-newsletter-no-1