



Thank you for subscribing to the quarterly newsletter from the new Gloucestershire Energy from Waste Facility, now under construction at Javelin Park close to Junction 12 of the M5 at Gloucester. The project is part of a joint venture between Urbaser and Balfour Beatty and forms a key element of Gloucestershire's waste and resource strategy to reduce, recycle and recover value from waste.

We're making good progress on the foundations and groundworks, and the first phase of above-ground construction is scheduled for around July this year.

In addition to this quarterly community-based newsletter, we also publish regular construction update bulletins and attend regular Community Liaison Group meetings. To find out more about these, please visit our website at www.ubbgloucestershire.co.uk or for any queries please contact us directly: email info@ubbgloucestershire.co.uk or contact Ian Barber on 07785 955 675.

With best wishes,
Andrew Bendall,
Project Director



Balfour Beatty

UBB (Gloucestershire) Construction JV
Gloucestershire Energy from Waste Facility



Work below ground nears completion

As of 1st April, we've almost completed our work below ground to prepare the site's foundations. The first phase of foundation piling and excavation is ongoing, as the boiler house is excavated and the waste storage bunker groundwork continues to take shape. All of the concrete works, including the capping beams which sit above the piles, will offer support and strength for the main process plant and buildings of the Facility once complete.

With work below ground continuing, we expect above ground work to commence in July 2017 with the construction of the bunker. We will pour concrete 24 hours a day to complete this work, so please keep listening out for more project updates on this.

The major pieces of construction equipment currently on site comprise excavators and dump trucks, and mobile crawler cranes to move construction steel and other materials around the site.



Specialists work on-site from Spring 2017

We're pleased to announce that thanks to work on our on-site accommodation, the Gloucestershire Energy from Waste Facility site now houses our contractors and our

design, engineering and commercial teams. Bringing everyone together in our site cabins, with its own canteen and mess facilities means that our teams can work closely together on the build.



Community Liaison Group update

We continue to work with the Community Liaison Group as our build progresses. Recent meetings have focused on the progress Urbaser Balfour Beatty has made to date, with a six month forecast to inform the local community. Discussions are ongoing regarding the grid connection for the Facility with Stonehouse Town Council, Western Power and Gloucestershire County Council. We are hoping to ensure the best outcome, but no decision has been reached as yet.

At the end of March the CLG met for an update on construction, and as always we invite comment and feedback from the group. We are engaging in discussions about how the Facility will operate, and are in talks about arranging a possible visit for the group to a similar facility in Kidderminster.



In the spotlight

For each edition, we will be talking to one of Urbaser Balfour Beatty's construction project team. This time it's Graduate Engineer Tom Scoltock.

When/ where did you graduate?

I graduated in civil engineering from Coventry University in November 2016.

Is this your first major job?

Yes.

What is your main role?

To supervise and check the work carried out by subcontractors to ensure that tasks are performed correctly, safely and to time.

What do you enjoy most?

Being part of a good team.

What do you dislike the most?

Early morning starts.

Do you see your role as good experience?

Very much so. It is a steep learning curve, and whilst I haven't yet picked on any particular engineering speciality, I'm enjoying the whole experience. It's been a great start to my career.

**How will the Facility generate electricity?**

When waste is combusted on the furnace grate, a tremendous amount of energy is released. This energy heats water in a boiler – effectively a ‘jacket’ of steel tubes that surround the grate - to create high temperature steam. Under high pressure, this steam is piped to a turbine that drives an electricity generator, just like a conventional power station. When the steam has passed through the turbine it is recycled back into the boiler as hot water, and the power generation process carries on continuously.

The facility will generate around 17.5 MW of power. After supplying the needs of the plant, some 14.5 MW of electricity will be supplied to the national grid. That is, enough power to supply half the residences of Stroud District. Because much of the incoming waste is organic in origin, like paper, wood and food wastes, we are able to class around 50% of the power generated as Renewable Energy.



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www.ubbgloucestershire.co.uk

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