

**Balfour Beatty****UBB (Gloucestershire) Construction JV**
Gloucestershire Energy from Waste Facility

Welcome to the latest newsletter from Gloucestershire Energy from Waste Facility. The construction of this facility is part of a joint venture between Urbaser and Balfour Beatty (UBB Gloucestershire) to provide a key element of waste management infrastructure in line with Gloucestershire's Joint Municipal Waste Management Strategy.

Most of the key elements of the process equipment, including the combustion grate and boiler, the power generation equipment, and the flue gas treatment systems are now in place and are being connected together. The steel framework, which supports the bunker building, is almost finished, and the first sections of the outer facade to the incinerator bottom ash hall is complete.

As well as these quarterly community-based newsletters, we also publish regular construction update bulletins and attend Community Liaison Group meetings. To find out more about these, please visit our website at www.ubbglooucestershire.co.uk or for any queries please contact us directly: info@ubbglooucestershire.co.uk.

With best wishes,
Andrew Bendall
Urbaser Balfour Beatty Project Director



All elements of the construction and process equipment installation are progressing at a fast rate, and almost all of the structural steel supporting the process equipment is now in place. A key element in this part of the programme is the installment of the steel frame over the waste storage bunker, which will support the bunker building as well as the cranes that will load waste into the combustion grate feed hopper.

The last major structural element of the facility is the framework to support the Air Cooled Condensers (ACC), which will start shortly. After its passage through the turbine, the steam that has provided energy for power generation will then pass through the condensers and is turned back into water to be recirculated and reused in the boiler.

The main buildings are now taking shape, with the roof and cladding of the incinerator bottom ash hall nearing completion, and cladding of the administration block now in progress. The construction of the concrete fire water storage tank, which is located between the site entrance and the main buildings, will be completed during the summer. Once constructed, the tank will be covered and surrounded by a soil mound, which will be landscaped under the approved scheme.

The main elements of the flue gas treatment system have been installed and are now being connected together. The system is made up of the gas cooling tower, the treatment vessel (where lime and activated carbon are injected into the gas stream to capture potentially harmful substances and reduce acidity), and the bag filters to collect the gas treatment products. The main fan and associated pipework, which will draw the cleaned flue gases through the treatment system and up the stack, are also in place. The storage silos for the lime and carbon used in flue gas treatment, and the silo to hold the spent lime products after gas treatment are now in position close to the stack.

The steam turbine, gearbox, and electricity generator are now installed at ground level in the turbine hall adjacent to the grate. Elements of the electricity transformer (which will step up the generated power from 11kV to 33kV), and the substation, have arrived on site and are being installed.



Keeping control

There are currently some 250 people working on site and this number will increase to around 400 over the summer, when construction is at its busiest. One frequently asked question is 'How do they all work together safely and without getting in each other's way?' The answer lies in a carefully worked process of planning and

Firstly, a construction plan was set out before the main contracts for the supply of equipment and works were created. Invitations to tender for the supply of goods and services must include details of when and where the work or equipment installation is to be undertaken, as well as information on any work taking place in the same area or in adjacent areas at the same time. In this way, suppliers know from the outset what is expected of them, and when and how their activity must work alongside everything else going on.

Then, once work has started on site, UBB Gloucestershire's construction managers hold a fortnightly meeting with all of the subcontractors to review progress against the project programme and modify the plan if necessary. This includes looking ahead to the next six weeks. These meetings are aimed at resolving any issues between contractors, and spotting and resolving any difficulties that might arise in advance.

Finally, there is a daily meeting on site every day at 4.00pm, again to resolve difficulties between work teams and plan the next day's work to avoid any potential conflicts in schedules. The daily meetings are also useful as a means of updating the subcontractors on issues such as Health and Safety, unusual deliveries, audits, and inspections.

The whole programming process is overseen and co-ordinated by the Planning Manager and Site Manager, who report to the Construction Manager. Their task is to ensure the smooth running of the construction project, so that the facility can be safely delivered according to programme.



In the Spotlight: Stacey Wright, Facility General Manager

Although the Gloucestershire Energy from Waste (EfW) Facility won't be completed and commissioned until mid-2019, we have already started to put together the team that will run the facility. In the spotlight for this newsletter is our new General Manager, Stacey Wright.

When did you take up this position?

What qualifications and background experience do you have to manage an EfW plant?

I have 23 years experience in power generation, having spent 17 years working for RWE, mainly at gas turbine power stations, and 6 years in energy from waste. I have worked in many different roles within the facilities, including operations, maintenance, health, safety and environmental management along with commercial management, so I have a very broad range of experience.

The project here at Gloucestershire will be my fifth new build facility, so I have extensive experience in recruiting station teams and getting the teams and the facility ready for operational excellence.

You'll be managing a team of skilled workers across a range of disciplines. Do you need to know a lot, or a little, about everything?

I need a good understanding of everything so I can guide my team in the right direction. I have recruited a very good senior management team under me, all of whom have vast experience in their fields, and all have been through projects similar to this in the past.

With the handover to you and your team not due until mid-2019, what are you doing between now and then?

Between now and the handover, my team will be going through extensive training with the technologies being used here at Gloucestershire EfW. We will also be setting up all of the policies and procedures required for an operational facility in line with Health and Safety requirements and the Environment Agency Permit. All of the work that is done now will make for the smooth transition from Construction/Commissioning to Operations, with a trained and confident team that is fully familiar with the facility.

**A message from Gloucestershire County Council on recycling**

Gloucestershire's Joint Waste Team (a partnership which includes Cheltenham Borough Council, Cotswold District Council, Forest of Dean District Council, Tewkesbury Borough Council, and Gloucestershire County Council) is committed to helping residents reduce their residual waste and recycle as much as possible.

One way this is achieved is through regular communication campaigns. Our previous campaign addressed plastic waste, and how residents can shop smarter and handle plastics whilst 'on the go'. The campaign was predominantly social media-based (#wastefreewednesday), and included articles published on www.recycleforgloucestershire.com.

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[RSS](#)

container – in particular their plastic bottles, glass bottles, and drinks cans – and follows a football World Cup theme. In addition to bin hangers on residual waste bins, communications will include shelf-wobblers in local Co-Operative stores targeting residents at point of sale, and posters at Gloucestershire's Household Recycling Centres.

For more information on any recent articles visit the [Recycle for Gloucestershire website](#).



Community Engagement

The Community Liaison Group (CLG) last met on 15th May 2018. As well as receiving the regular progress update and considering issues raised by the community, the meeting reviewed proposals in hand for background air quality monitoring which will be funded by Urbaser, and set up and monitored through the CLG with help from Stroud District Council.

There was also an update from the Chair regarding proposals for the CLG to manage the Community Fund which will be set up with contributions from Urbaser Ltd of £25,000 per year for 25 years from 2019. Minutes of the CLG meeting can be found on the [UBB Gloucestershire website](#).

To keep communities and interest groups further informed of progress on the project, we have also hosted presentations to the Annual Parish Assemblies at Hardwicke and Quedgeley, the Chartered Parishes Group meeting on 6th June, and to the Rotary Kingsholm group on 11th June. Following on from the presentation to Hardwicke, we hosted a site visit from members of the Hardwicke Parish Youth Forum, in company with Youth Services officers from Stroud District Council.



UBB (Gloucestershire) Construction JV
Gloucestershire Energy from Waste Facility



www.ubbgloucestershire.co.uk

[Subscribe](#)

[Past Issues](#)

[Translate ▼](#)

[RSS](#)

Copyright © 2018 Urbaser Balfour Beatty Limited, All rights reserved.

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe from this list](#)

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Urbaser Balfour Beatty · UBB Gloucestershire · First Floor, Westmoreland House, 80-86 Bath Road, · Cheltenham, Gloucestershire GL53 7JT · United Kingdom



MailChimp.