

**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 the waste management infrastructure in line with Gloucestershire's Joint Municipal Waste Management Strategy.

With the facility now energised and most equipment installed, we are set to move into the commissioning phase, with cold commissioning starting in December. The majority of external cladding is now complete, and civil elements of the facility such as car parks and office spaces are nearing completion.

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.ubbgloucestershire.co.uk](http://www.ubbgloucestershire.co.uk) or for any queries please contact us directly: [info@ubbgloucestershire.co.uk](mailto:info@ubbgloucestershire.co.uk).

With best wishes,  
Andrew Bendall  
Urbaser Balfour Beatty Project Director



## Project Update

During November, activities have continued to increase as construction enters its final stages. The boiler has been fitted with refractory lining to protect the furnace shell from the high temperatures of the grate, and external insulation has been fitted to its superheaters - these increase steam temperature and, in turn, the facility's energy efficiency.

The building's steel structures are almost complete, allowing the final elements of the external facade to be installed. Pipework connecting the boiler, turbine, and other process equipment within the facility is being installed, with the first system hydrotests, which check the piping for strength, taking place through December.

The ash handling equipment, such as conveyors and incinerator bottom ash treatment systems are now under final installation, and live tests of these conveyors are planned to begin this month. The final civil elements of the facility including the building of on-site car parks are almost complete.

With the facility now energised, cold commissioning is ready to begin in December. Urbaser Balfour Beatty (UBB) has energised the low voltage main switchboard, which provides energy to all electrical power systems on site. The Uninterrupted Power Supply (UPS), a critical component of any facility, which provides power in case of an electrical fault or other emergency shutdown, has also been connected to the National Grid.

Electrical equipment to control energisation, and gather information used by operators to control systems in the facility, is currently being installed in the electrical rooms, boiler hall, and other process areas. The Air Cooled Condenser, which condenses residual steam back into water to be reused by the facility, is under construction at the south end of the boiler hall. The Distributed Control System (DCS), the 'brain' of the facility that gathers data from the control systems, has been tested prior to connection and final site testing. Once completed, this will allow for the functional testing of the equipment interfaces at the facility.

System tests will run for two to three months to verify the functioning of all elements of the facility. The tests will confirm that measurements from the equipment are correctly recorded and all safety systems are working properly. Once these functional tests are performed, sequence tests will be run to verify that all equipment is running in the correct order via the DCS. Once all tests are completed, hot commissioning will begin.



## Traffic Management Update

When operational, from July 2019, the Gloucestershire Energy from Waste facility will receive waste during specified opening hours.

There is space on site for queuing vehicles in the event that multiple lorries should arrive at the facility at the same time. This will ensure no vehicle using the facility will queue on the B4008 or on the Javelin Park access road, as approved following planning consultations with local highway authorities and Highways England during the planning permission process.

Other appropriate onsite traffic management has been incorporated into the facility's design to minimise disruption in the surrounding areas, including a weighbridge that records the weight, registration, time arrived on site, and time leaving site, of all vehicles entering the facility, and no private vehicles will be accepted.

Further detailed information on the planning permission, including transport assessments, environmental statements, and responses from consultees including Highways England, can be found [here](#).

For concerns with regards to traffic on the M5 please contact [Highways England](#) directly.

When operational, the Gloucestershire Energy from Waste facility will be open:

- Monday to Friday 7am to 5pm
- Saturdays 7.30am to 5pm
- Sundays and Bank Holidays 8am to 5pm

In exceptional situations, vehicles may be accepted until 7pm on weekdays and 6pm on Saturdays in accordance with planning permission.



### **In the Spotlight: Herve Orjubin**

Each month we profile a different member of the team at the Gloucestershire Energy from Waste facility. In the spotlight for this newsletter is Construction Manager, Herve Orjubin.

#### **When did you start working at Gloucestershire Energy from Waste facility?**

I started working here in September 2016 when the enabling works were underway on site, and we were preparing the “piling mat,” which provided a stable ground for the pile rigs to operate on site.

#### **What are your experience and qualifications that are relevant to your position?**

I am a mechanical engineer. I started my career in 2000, managing large team of people in a project to clean the coast of South Brittany, France, after the sinkage of the tanker, Erika. I then built a catamaran sailing boat, and fully refurbished my house with my own hands. Naturally the scale of the work increased from, there.

I managed large mechanical equipment for manufacturing projects and the final stages of EPC (engineer, procure, construct) power plant projects, before finally moving into the construction side, where I worked on construction yards in Africa and now at Energy from Waste facilities as Construction Manager.

#### **What are your day to day tasks?**

I organise the construction works at the facility, run meetings to prepare and coordinate the works, and support my team to ensure smooth co-ordination. I also ensure that the work is fulfilled in a safe manner and to a high quality, advise higher management of the project's foreseeable risks, and support the commercial team.

The tasks change depending on the project phase, so at the moment I am focusing on the completion of the construction activities and preparation for the commissioning activities, which includes leading meetings between all contractors and individuals involved in construction and commissioning.

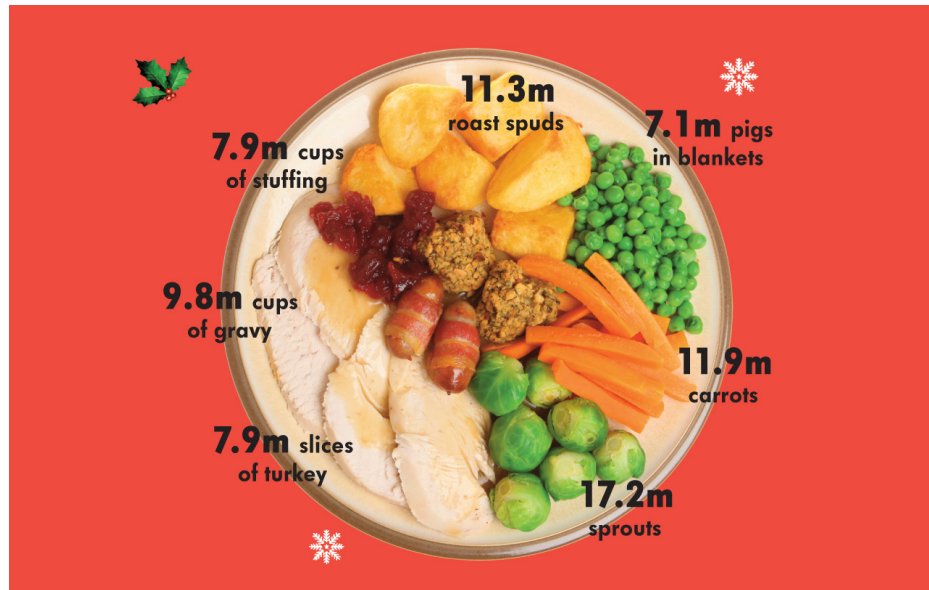
#### **What made you want to become a construction manager?**

I wanted to work on all the practical aspects of construction after long theoretical studies, and to be in contact with people, managing and developing teams.

#### **How did that lead you to work in Energy from Waste?**

Energy from Waste is a good solution and compromise that takes our needs into account.

## A message from Gloucestershire County Council on Christmas Food Waste



*Nationally we waste an astronomical amount of food waste. Do your bit to help reduce food waste this Christmas.*

It's easy to over-indulge at Christmas time, and never more so when it comes to the amount of food we buy that goes uneaten.

To help reduce the 4.2 million Christmas dinners which get thrown away each year, Gloucestershire County Council have some helpful hints and tips and some seasonal facts designed to make you think twice about what we buy, cook, and throw.

Be prepared and make sure you have plenty of plastic containers (old margarine or ice cream tubs work well), foil, and cling wrap at hand to make storing your leftovers easy. It is thought that 740,000 Christmas puddings are wasted annually, but if left unopened shop-bought versions can have a shelf life of well over a year. So if you aren't likely to eat the Christmas pudding on the day, save it for later.

For more tips visit [recycleforgloucestershire.com](http://recycleforgloucestershire.com).





## Community Engagement

The Community Liaison Group (CLG) last met on 20th November 2018. As well as receiving the regular progress update and considering issues raised by the community, attendees were informed that air monitoring systems are now fully operational, and a group of representatives from UBB and the CLG have formed the Technical Working Group, which will review the air monitoring data.

It was also confirmed that a Community Fund will be launched in January 2019, with applications open for submission from March to June 2019, to support local projects and groups.

Minutes of the CLG meeting can be found on the [UBB Gloucestershire website](#).



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