

Urbaser Balfour Beatty Gloucestershire Summer 2012 Newsletter

Update on the proposed Energy from Waste facility at Javelin Park, Haresfield



Urbaser Balfour Beatty (UBB) is proposing to build and operate a state-of-the-art Energy from Waste (EfW) facility at Javelin Park, Haresfield near to junction 12 of the M5 motorway.

The facility will play an important role in Gloucestershire County Council's 'Towards Zero waste to landfill' aspiration and will:

- Treat household waste that is left after recycling and composting has been undertaken.
- Use safe, reliable and proven technology that can cope with a changing waste stream.
- Provide a secure, long-term solution for household and business waste generated in the county.
- Create local employment and apprenticeship opportunities.
- Generate electricity from waste, helping the UK meet its renewable energy targets.
- Work with local communities to support environmental initiatives and provide a venue for community events.

In this newsletter read about:

Our proven
technology

Energy
generation

Planning and
permitting

Reducing waste in
the first place

Energy from Waste – safe, reliable and proven

In the UK we have a national target to generate 15% of all our energy needs from renewable sources by 2020. While most of us are familiar with solar panels or wind turbines, it may be surprising to know that Energy from Waste (EfW) is in fact one of the most proven and reliable approaches of generating renewable energy.

For more than a hundred years, societies have been burning waste in incinerators. While the basic principles of generating Energy from Waste remain unchanged, significant improvements have been made to the efficiency and safety of these plants. Technical studies for the proposed Energy from Waste facility at Javelin Park demonstrate that emissions will be well within the limits set by the Waste Incineration Directive and have a negligible effect on the local concentration of air pollutants.



Alternatives to thermal treatment result in a significant amount of treated residual material that would then either need to be incinerated elsewhere or sent to landfill. The facility proposed for Gloucestershire, however, provides a complete, proven, cost-effective and energy-efficient solution that can cope with a changing waste stream whilst generating usable heat and power.

The Javelin Park facility will contribute to Gloucestershire's overall renewable energy production by over 50%. In simple terms, the energy produced will be enough to power half the homes in the District of Stroud. This will help to reduce our reliance on fossil fuel energy and avoid landfill, giving the net reduction of just over 40,000 tonnes of carbon dioxide (CO₂) equivalent annually.

EfW technology has an established reputation across Europe. It is a clean and reliable means of managing waste and generating energy. According to the Confederation of European Waste-to-Energy Plants (CEWEP), in 2009 almost 450 EfW facilities treated 70 million tonnes of waste across Europe, delivering sustainable electricity and heat to households and industry. A map of Europe's EfW facilities in 2009 from the CEWEP can be found at: http://www.cewep.eu/media/www.cewep.eu/org/med_511/767_2011-08-24_map_2009.pdf

Planning and permitting update

The planning and permitting processes are two important stages for the proposed EfW facility at Javelin Park.

The Planning Application

Why do we need planning permission?

Major developments in the UK require planning permission from the relevant local authority before they can be built. In the case of Javelin Park, Gloucestershire County Council's planning committee is the relevant authority.

What information is included in the Planning Application?

The Planning Application document includes all the application forms, drawings and a planning statement outlining the planning background to the scheme.

The Design and Access Statement sets out how the design for the facility has evolved, explains the context of the design and describes how certain decisions were reached.

The Environmental Statement details all the technical assessments that have been undertaken to determine

the likely environmental impacts of the project. This also includes a non-technical summary of the proposed development and assessments undertaken by Urbaser Balfour Beatty.

Finally, the Transport Assessment provides an appraisal of the transport implications of the project on the local highways network.

How can people see the application?

The application can be viewed in hard copy at Shire Hall, Gloucester or can be viewed online at:

<http://planning.gloucestershire.gov.uk/publicaccess> The application reference is 12/0008/STMAJW.

What stage is the application at?

The application has been submitted to Gloucestershire County Council as the Waste Planning Authority for its consideration. At present, the Council is receiving consultation responses on the proposal from the public and statutory consultees and will take these views into account when deciding on the application.

The Environmental Permit application

What exactly is an Environmental Permit?

An Environmental Permit is a document issued by the regulator, the Environment Agency (EA), which authorises the operation of a regulated facility such as an EfW facility. It contains conditions which must be followed by the operator. These conditions are designed to ensure the facility operates safely. The Javelin Park EfW application was submitted to the Environment Agency on 27 February 2012.

How does the Environment Agency decide whether to issue a permit to operate?

The Environment Agency will review the design of the plant, how it will be operated, the emissions it will generate and control (to air, water and land), the wastes arising, how emissions will disperse in the local environment and whether they are likely to have an effect on people and natural habitats.

Who does the Environment Agency consult before making its decision?

The Environment Agency accepts comments from members of the public and has held public drop-in centres in Quedgeley, Stroud and Hardwicke. The EA also consults the local district and county councils and other statutory bodies. Further information can be found on the EA's website at

<http://www.environment-agency.gov.uk/homeandleisure/waste/137418.aspx>

What about the new study currently underway by the Health Protection Agency into the safety of incinerators?

The Health Protection Agency (HPA) has stated clearly that the purpose of its new study is to extend the evidence base and provide further information to the public. The HPA has also said that its current position remains valid: well run and regulated modern Municipal Waste Incinerators are not a significant risk to public health. The HPA is an independent organisation.

More details about the HPA and its studies can be found at:

http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb_C/1317132452987?p=1317132140479

How can readers find out more?

To ensure the protection of the environment and human health, Urbaser Balfour Beatty's planning and permitting applications include a range of detailed studies carried out in accordance with best practice guidelines. Links to these studies are available at www.ubbgloucestershire.co.uk under the heading "Get Involved".

For more information about the Health Protection Agency and its position on incinerators visit: www.hpa.gov.uk

Reducing waste in the first place

In Gloucestershire, residents throw away around 18,250 tonnes of waste that could have been home composted. There is a wide range of waste that you can throw in your compost bin including uncooked food, tea bags, coffee grounds, cardboard, shredded paper, eggshells, tissues and paper napkins.

In total around 30% of the contents of a typical household bin can be composted. Home compost can improve soil structure and helps act as a mulch, which is ideal when summer water butt levels run low.

Home composting also helps to reduce carbon emissions as it helps to reduce the amount of waste sent to landfill.

For those interested in home composting, now is the perfect time to get started. Gloucestershire residents can buy a compost bin from £16 (plus £5.49 delivery charge) for a 220 litre bin and £19 for the larger 330 litre bin.

There's the added bonus of being able to order a second bin at half price.

For further information about these products, please call: **0844 571 4444**, alternatively, people can also order their home composters and composting accessories online: www.recycleforgloucestershire.com/composting/buyabin/



Our ultimate aim is Zero Waste to Landfill

If we achieve our ambition of

70%

it will make our county one of the highest performing recyclers in Europe.



Making the most of Gloucestershire's left over waste

The Javelin Park facility has been designed to generate **Combined Heat and Power (CHP)**. This means the **technology will turn the mixed waste it receives into renewable energy in the form of electricity and heat.**

Whilst a small amount of the energy generated will be used to power the facility itself, the remainder will be supplied directly into the national grid. In fact 116,000 megawatt hours per year of electricity will be generated, which is the equivalent electrical energy required to power 25,000 homes.

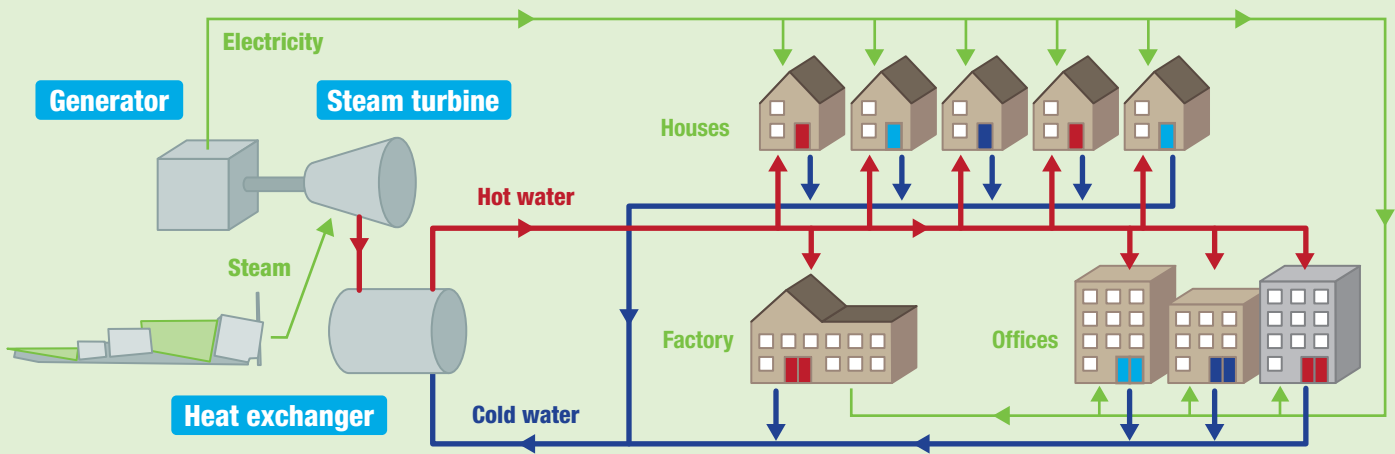
The facility will also have the ability to supply local heat to neighbouring industrial outlets, which would mean that more efficient use could be made of the energy contained in waste.

Urbaser Balfour Beatty are currently talking to developers that could use the heat generated by the proposed CHP ready EfW facility at Javelin Park. We are identifying potential developments and buildings that could connect to a local area heat network delivering low cost, low carbon heat energy.

Looking to the future, we are also considering how the plant can be made ready for new developments, ensuring that opportunities for low cost, low carbon heat energy are available throughout the life of the facility.

Local businesses interested in the potential of CHP from Javelin Park can contact us via email:

info@ubbgloucestershire.co.uk



Contact us

If you would like further information on our proposal please get in touch:

Write to us:

FREEPOST RSXR-TBUJ-SAKG
UBB Gloucestershire
 c/o Urbaser Ltd
 Unit F, Pate Court
 St. Margaret's Road
 Cheltenham, GL50 4DY

Email us:

info@ubbgloucestershire.co.uk

Complete the form on our website:

<http://www.ubbgloucestershire.co.uk/contact-us>

As part of our ongoing commitment to involving the community in our proposals, details concerning the planning application, statutory consultation, environmental permit application and ongoing activity will all be published on our website:

www.ubbgloucestershire.co.uk

'Meet the Buyer' Event

Urbaser Balfour Beatty will be hosting a workshop in the autumn to outline how and when local Gloucestershire businesses can get involved with supply chain opportunities linked to the Javelin Park proposal. If you're a business interested in working with us, please email your details to:

info@ubbgloucestershire.co.uk with 'Meet the Buyer' as your subject heading and we will send you more details of the event when they are available. Further details will be published on our website in due course: www.ubbgloucestershire.co.uk



Balfour Beatty