



Residual Waste Treatment and Waste Transfer Update

Committee	Gloucestershire Joint Waste Committee
Committee Date	19th June 2018
Significant Decision	No
Responsible Officers	Wayne Lewis, Gloucestershire Joint Waste Team wayne.lewis@gloucestershire.gov.uk
Main Consultees	None.
Purpose of Report	The purpose of this report is to update committee members on progress with the construction of the Javelin Park Energy from Waste (EfW) facility and on mobilisation plans for the delivery of waste to the facility.
Recommendations	<i>It is recommended that the Committee:</i> <ul style="list-style-type: none">I. notes the contents of the report;II. discuss the issues associated with both waste transfer and direct delivery options for Cheltenham B.C (CBC) and Tewkesbury B.C (TBC) to deliver residual waste to Javelin Park, andIII. makes a recommendation to GCC on the factors that should be considered as part of its cost evaluation exercise of waste transfer and direct delivery options.
Resource Implications	<p>Officer time to develop and evaluate options for the delivery of waste to the EfW facility and to any other treatment/disposal points under the contract – to be met within existing revenue budgets.</p> <p>The options for waste delivery under the contract may have financial and resourcing implications for each partner council, but particularly for GCC, CBC and TBC, as an approach to waste transfer has yet to be agreed for these boroughs. These implications will need to be considered as part of the 2019/20 budget setting process for each council.</p>

1. Background

- 1.1 GCC formally awarded a contract to treat Gloucestershire's residual waste to Urbaser Balfour Beatty (UBB) in February 2013, which was re-signed in 2016. The contract is for the treatment of residual waste that remains after residents have reduced, reused and recycled as much as possible. Gloucestershire achieved a countywide recycling rate of 54% in 2018/19; its highest rate to date. Despite good progress in recycling, there is still a significant amount of residual waste that should be diverted from landfill, which for 2018/19 was around 130,000 tonnes.
- 1.2 UBB's technical solution is incineration with energy recovery. The facility is being built at Javelin Park, near Haresfield and will have capacity to treat all of Gloucestershire's residual household waste, whilst generating enough electricity to supply up to 25,000 households.

2. Construction

- 2.1 Construction work commenced in summer 2016 and continues on schedule. Some of the main areas of progress since the last update to the joint committee in February 2018 include:
- Installation of the boiler, grate and associated equipment;
 - Installation of the turbine, gearbox and generator in the turbine hall;
 - Installation of the ash conveyor system;
 - Installation of gas cleaning equipment commenced including the Continuous Emissions Monitoring System control station;
 - Erection of the stack;
 - Cladding of the Incinerator Bottom Ash treatment hall; and,
 - Completion of cabling works in the local area by Western Power Distribution.
- 2.2 Over the next month all aspects of the construction will continue, including steelworks, blockwork, cladding, piping and cabling activity.

3. Mobilisation

- 3.1 The facility is due to be operational in July 2019. Commissioning will begin early in 2019 with hot commissioning (the point at which some waste begins to be received and processed) commencing in March 2019. Prior to this, GCC, district councils and service providers such as Ubico and Biffa need to be familiar with the site and understand the processes for waste delivery.
- 3.2 Regular meetings between these parties and UBB have now commenced. Priorities agreed so far include the training of all collection and supervisory staff on the safe delivery and tipping of waste on site, confirming tipping arrangements for those wastes that will not be processed on site and agreeing waste delivery plans for the commissioning period.

4. Waste Transfer

- 4.1 GCC currently has waste transfer arrangements under its existing Waste Management Services Contract for the bulking and haulage of waste collected by Cotswold D.C (CDC) and Forest of Dean D.C (FoD) to landfill. These arrangements end with the expiry of this contract in January 2020.

4.2 A new procurement exercise will commence this month (June 2018) to procure residual waste transfer to Javelin Park from:

- CDC;
- FoD; and,
- CBC and TBC.

This contract will be let as three lots. It will have a term of three years with an option to extend by a further three years. CBC and TBC are included as the change of tipping location from the current Wingmoor Farm landfill, Bishops Cleeve to Javelin Park means an increased distance (and time) to tip from most parts of these boroughs. CBC and TBC will be offered as a combined lot. The contract will also include the transfer of other materials (such as the co-mingled food and garden waste collected in Cotswold D.C) as needs be.

4.3 The award of the lot for CBC and TBC will be subject to a cost evaluation exercise by GCC, which will compare the tender prices received to the estimated costs of direct delivery. GCC will then decide on its preferred approach in October 2018 when the issue will be considered by its cabinet. This allows around six months for the agreed arrangements to be mobilized.

4.4 CBC and TBC have been asked to develop costs for the direct delivery of waste to Javelin Park. They will also identify any risks and concerns that they may have over these arrangements. The key concern relates to the additional travelling time needed to tip collected waste at Javelin Park. A longer journey to tip means less time is available each day for waste collections; meaning that additional collection rounds might be needed. If so, additional costs will be incurred for vehicles, staff, fuel and maintenance.

4.5 If GCC were to direct CBC and TBC to deliver waste direct to Javelin Park then under the Environmental Protection Act (1990) it would need to pay "*a reasonable contribution towards expenditure reasonably incurred by the waste collection authority in delivering waste...to a place which is unreasonably far from the waste collection area*". Such payments are commonly known as "tipping away" payments.

4.6 GCC will develop a tipping away policy in consultation with district councils by October 2018. This will be based on the payment calculation developed by the National Association of Waste Disposal Officers (NAWDO). This pays an agreed rate per mile for travel beyond a district's boundary. This payment, together with the tenders received for waste transfer and any other factors recommended by the joint committee will form the basis of the cost evaluation exercise to be completed by GCC.