

R4C Press Release Oct 2015

Community R4C has begun the commercial waste supply contracting process for its advanced MBHT waste recycling plant earmarked to be built at Javelin Park. It is offering ground breaking pricing for early commercial and industrial customers for its “black bin bag” waste of just £50 per tonne, believed to be less than half of that of local rivals . As part of R4C’s community mandate councils are being offered a price of no more than £20 per tonne, which would, if fully taken up, deliver local authority cost savings county wide in excess of £10M pa.

Community R4C has obtained the licenses and secured indicative financial backing for the construction and operation of a Mechanical Biological Heat Treatment (MBHT) plant. With proven and existing technologies, this plant will transform our residual waste into a valuable resource, saving millions of pounds of public money, and conferring great benefits to both the local and global environments. Our facility should be fully operational by 2017.

Jon Scott, Technical Lead for CR4C said: “Waste is a valuable resource, which belongs to our community. MBHT is a well-established and reliable sorting and recycling process, which converts 94% of residual waste into either renewable biomass fuel or recycled materials. The process is fully automated, with waste being put in at one end of the line, and refined, recycled materials (glass, plastics, and metals) and high grade biofuel coming off at the other. There are no pollutants discharged in the process and the fuel produced, much cleaner than coal, is classified as a renewable source of energy delivering huge CO2 emission savings. I’m proud to be part of this fantastic project which puts power back in the hands of local people and gives us the facility we deserve. “

The construction of this facility is expected to create many local jobs using equipment and materials from local suppliers.

Once operational, the R4C facility is expected to recycle 94% of the 190,000 tonnes of residual household waste collected annually in Gloucestershire. The recycled materials have a clearly defined market, and we expect their availability to stimulate local industry. The biofuel will generate 220,000 megawatt hours of electricity annually - and will be in high demand by local industry for this purpose. An additional 220,000 megawatt hours of useful heat energy will come from this transportable and renewable fuel source.

The R4C facility will make an important change in the way that Gloucestershire deals with the household waste of its 600,000 residents, recycling 94% of the waste that currently goes into landfill and effectively removing 106,000 tonnes of carbon dioxide from the atmosphere every year.

Excerpt from Stroud district council Environment Committee meeting 17 September 2015 .

In terms of potential carbon emissions, the report would not be complete without some mention of the proposed ‘R4C facility’ at Javelin Park. It has been estimated that the incinerator will produce 40,000 tonnes of CO² per year. The Council's position has been to put forward solutions that have a far smaller landscape impact and also reduce carbon emissions through enhanced recycling and the displacement of fossil fuels by the combustion or digestion of the biogenic content only. Subject to further evaluation an opportunity may exist for the District Council to offer support for an alternative with no increase in costs to residents of the district and a carbon reduction of 120,000 tonnes of CO².

While this may not be sufficient to stop the implementation of the incinerator planning permission , from a carbon point alone it would massively dwarf any other carbon reducing activity that the council may choose to engage in and from this perspective alone it is worthy of serious consideration.

