

FCC Environment and Buckinghamshire Council are working in a 30 year partnership to manage the county's residual waste.

What is Greatmoor?

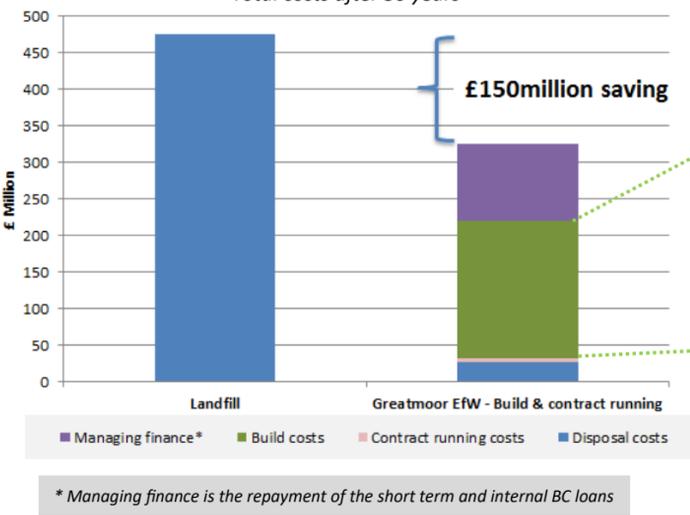
Greatmoor is an Energy from Waste Facility, which burns non-recyclable waste, using the heat generated to produce electricity. It will operate for at least 30 years, which means we send less waste to landfill, save £150million over its lifetime and reduce the impact of our waste across Buckinghamshire

How much did it cost?

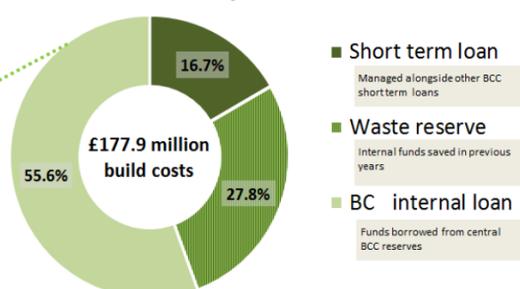
Over 30 years the partnership will save Buckinghamshire taxpayers at least £150million

Landfill vs Greatmoor

Total costs after 30 years



Greatmoor EfW Project Costs



All the figures above are estimated over the 30 year life of the contract and updated annually.

Updated Jul 2023

How is electricity generated?

Waste is delivered into a bunker which feeds the furnace. This burns the waste at more than 850 degrees, which heats water to produce high pressure steam. The steam is sent through a turbine which generates electricity that is exported to the local grid powering our homes.

25
Megawatts



Enough electricity generated to power 60,000 homes

How much waste can it take?

Greatmoor takes around 345,000 tonnes of waste each year, of which, around 110,000 tonnes is from Buckinghamshire households. The rest of the capacity is filled with waste from other Local Authorities or commercial sources.

Can people visit?

Yes. Greatmoor's visitor centre is for schools, community groups & anyone else interested in finding out how the facility works. Over 8,000 have visited since it opened. The Education Manager at Greatmoor also travels across Buckinghamshire to encourage waste reduction.



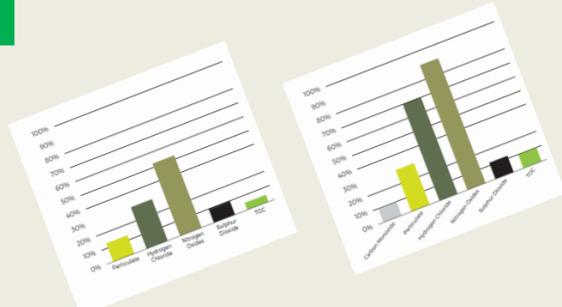
What about landfill?

Some wastes cannot be sent to Greatmoor, and need to go to landfill, like asbestos, soil and rubble. These materials only make up less than 0.1% of total waste.

More than 100,000 tonnes of waste are saved from landfill each year in Buckinghamshire

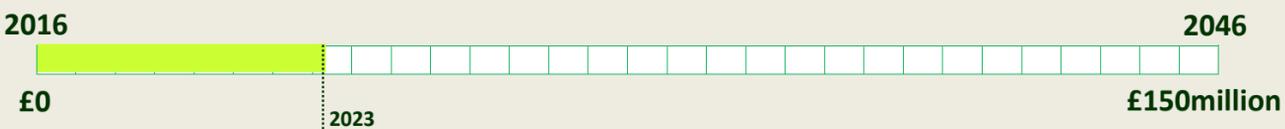
Are there any emissions?

The waste is burnt at over 850°C and the flue gases are treated to remove toxins. After treatment, what's left, which is 99.9% water vapour, is sent through the stack. The site is strictly monitored by the Environment Agency, and produces monthly emissions reports you can find on the website.



Are the savings on track?

Yes. The cost of continuing to use landfill was estimated at £475million over the 30yr contract, compared against the cost of building and running Greatmoor of £325million. The savings may not match the estimates exactly for each year. The first seven years of operation have saved at least £35million and are on track to £150million by 2046.



find out more - book a visit - view emissions data

www.greatmoor.co.uk