

THE PROPOSAL

A joint venture between The Trustees of the Barker-Mill Estates (BME) and Trant is seeking to develop two state-of-the-art energy from waste facilities, a business park providing space for small companies and other new community facilities on land at Cork's Farm, off Normandy Way in Marchwood. The site falls between Marchwood's Sewage Treatment Plant, the Household Waste Recycling Centre, housing and Marchwood Power.

The benefits

The proposed facilities would not only generate renewable energy but also recycle local food waste from places like supermarkets, restaurants, schools and homes, and residential and commercial waste – helping to divert waste from being sent to landfill.

The new community facilities would comprise:

- allotments with an associated amenities building providing toilets and storage;
- additional public open space; and
- a community orchard and gardens providing attractive spaces for recreation and dog walking that link to the waterfront.

It is expected that the proposed recycling and energy facilities will create up to 40 jobs, with a demand for local trades and services during construction and operation running into several hundred thousand pounds.

The proposed development would contribute to the security of the UK's energy supply by reducing the need for foreign energy imports, as well as reduce reliance on fossil fuels by producing renewable energy.

How it works

Materials would be sorted at the site, with recyclable materials like plastic, metals, and cardboard sent for reuse. The remaining materials will be processed by one of two state-of-the-art energy-from-waste facilities: either an Anaerobic Digestion (AD) plant or an Advanced Thermal Treatment (ATT) plant.

Food waste would be converted into renewable energy by the AD plant. AD is a series of natural processes where organic material is broken down by micro-organisms and converted into biogas within sealed tanks. The tanks need to be sealed to generate the oxygen free environment that the bacteria require and in order to capture the biogas. The biogas is then used to produce electricity and heat for the facility with excess electricity being exported into the national grid.

The proposed ATT plant would convert waste materials such as wood into electricity. The ATT plant heats the waste in sealed containers through a process called gasification. Gasification excludes oxygen so the materials do not burn, but the application of heat releases the gases from the material.

The gas released is then used in a boiler to produce steam. The steam is fed into a turbine which produces electricity for the local power grid.

Excess heat from both facilities will be captured and distributed via a combined heat and power facility (CHP) which will provide district heating for the proposed business park and allotment facilities building.

Safe, secure and reliable

Although the technology used today is modern, Anaerobic Digestion and thermal treatment are both tried and tested processes used in the UK for over 100 years.

Health, safety and environmental protection would be considered at every stage of the development and operation of the recycling centre, and the following formal permissions will be obtained before any site work is carried out: planning permission, building consents, building regulations and Environment Agency permission to operate.

If permissions are granted and the facility constructed, it would be strictly regulated by the Environment Agency and subject to inspections to ensure compliance.

BEING A GOOD NEIGHBOUR

The proposed recycling centre has been designed to have as little impact on the surrounding area as possible. We would plant extensive vegetation, including native species of hedging and trees, to provide screening and create a valuable habitat for wildlife. A green fringe would stretch from the southern edge of the site and around the eastern boundary, and there would be green corridors across the site to screen buildings and hard elements.

To minimise the risk of any odour, the materials would be unloaded and processed inside an enclosed facility. Where there is the potential for malodorous air being produced, this air would be extracted and treated in a dedicated odour control plant.

As all activities are conducted within the building, noise would not be above the naturally occurring background noise.

The facilities would operate securely 24 hours a day, but to minimise disturbance deliveries would be limited to normal working hours: 8am to 6pm Monday to Friday and 8am to 1pm on Saturday.

Working with the community

We want to work with the local community to develop a facility that has a positive impact on the local community and economy.

We are carrying out local engagement and consultation with residents, businesses and organisations before any planning application is submitted.

BME has a strong track record in consulting and communicating with local councillors, members of the local community, community groups and other relevant third party stakeholders, alongside negotiating with planning and highways officers in order to achieve a development that is acceptable to all parties.

The joint venture partners

BME comprises of land owned and managed by the Barker-Mill family and its Trustees. As you may know, the Barker-Mill family is a long established family with deep roots in Hampshire. After 500 years, the family is very aware of their legacy and is strongly committed to supporting the local community.

To the immediate west of Southampton the estates include the lower Test Valley and substantial parts of Nursling and Rownhams. On the eastern edge of the New Forest the estates cover 3,000 acres of land, which includes parts of Hounslow, Eling, Marchwood, Colbury, Ashurst and Longdown.

As well as prominent areas near Southampton and in the New Forest National Park, the estates own and manage land between Milford on Sea and New Milton, which covers 1,000 acres.

Mainly consisting of farmland, grazing, paddocks and commercial units, the estates also features a wide range of residential properties, of which a majority are located in the Nursling area of Southampton and the villages of Ashurst and Colbury.

Trant is a leading construction provider to the energy sector, committed to providing safe, high-quality design and build engineering solutions to customers across the power and distribution industry. Trant would develop and build the scheme.

THE BARKER-MILL FOUNDATION

Since 1995 the Barker-Mill Foundation has donated in excess of £3 million to local charities, schools, organisations and individuals needing support, primarily in south west Hampshire. To date the Foundation has donated over £755,000 in the New Forest area.

Established from funds provided by members of the Barker-Mill family in memory of their father and grandfather, Peter Barker-Mill, the foundation makes around 80 donations each year to those in the areas where the family has owned land for generations.

Funding both large and small scale projects for numerous organisations, the Foundation also helps individuals in exceptional circumstances with much needed support.

FOR MORE INFORMATION ON THE PROPOSAL PLEASE CALL THE CORK'S FARM PROJECT TEAM ON FREEPHONE 0800 612 0727.
