

# Development Considerations

## Where is the waste coming from? Is it Hampshire waste?

The three existing Hampshire Energy Recovery Facilities are full and the population of Hampshire is forecast to rise. Commercial waste including from shops and offices that is not recycled and is suitable for energy recovery is also being landfilled in Hampshire or sent elsewhere. The proposed facility will meet most of those requirements.

Whilst there are always flows between areas, the additional capacity is intended to meet the identified Hampshire need.

### Noise

All of the proposed waste management operations will be undertaken within an enclosed building. However, there will be some elements of the proposals that generate some noise.

We have designed the facility so that noise is contained in the building and will not have a significant effect on the nearest neighbours.

If permission is granted we anticipate the Council will apply conditions that will control the noise during construction and operations.

### Air Quality

The ERF will use well proven technology to ensure that air emissions are tightly controlled. It will operate within the strict emission limits for ERF plants which are set by the Environment Agency who then regularly inspect the site. The plant will be fitted with the latest emissions monitoring and control systems and the emissions will be continuously measured and checked independently by the Environment Agency. The emissions from all of our plants are published on our website.

This will be the most efficient plant we have ever built in terms of both electricity generation and emission control with the latest technology allowing us to make more improvements in air quality emissions so that they fall even further below stringent limits.

### Ecology

We have conducted a series of ecological surveys to understand the local ecology. This information has been used to assess the effects of the development on local wildlife and habitats.

The design of the scheme includes measures to enhance the value of the site to local ecology. We will also undertake additional ecology improvements to achieve a net improvement for ecology.

### Odour

All waste handling will be inside the building. Air will be drawn through the tipping hall and bunker and used in the furnace as part of the combustion process. That means that any smells from the waste will be destroyed in the furnace and because air is constantly drawn through the building it can't escape, even when the doors are open to let vehicles in and out.

### Building Size

The footprint of the building will be about the same as the existing building. It will be about 40m high. The building will have a living wall on each side that will help it to blend in with the landscape and change through the seasons. The chimneys will be 80m tall but only about 2.4m in diameter.

### Drainage

All of the rain water will be managed on the site. Rain water will be collected and stored to irrigate the living walls. Surplus rain water will be held on site in the drainage system and allowed to soak into the ground gradually so it does not cause flooding off site.

