

12. Resource Efficiency and Climate Change

- a. Describe the basic measures for improving how energy efficient your activities are  
By introducing a mechanical system, the waste can be dealt with in one process. This negates the use of heavy plant to “double handle” the waste. The process will provide a homogeneous waste stream into the picking- line making recovery more efficient.
- b. Provide a breakdown of any changes to the energy your activities use up and create  
The new building has been fitted with LED lighting. The picking-line has IE3 Premium Efficiency motors to ensure the Site will operate at maximum efficiency.
- c. Describe the specific measures you use for improving your energy efficiency  
It is expected that the Site will introduce solar power in the near future. Until this is installed, the Site will use mobile plant (e.g. driven by diesel engines). Minimising fuel consumption will be the Site’s primary focus from an energy efficiency perspective. A regular maintenance programme will be implemented to maximise the performance of plant on-Site, with plant turned off and / or operated at the optimum load to reduce excessive fuel consumption.
- d. Explain and justify the use of raw and other materials, other substances and water that you will use  
See comments above re diesel fuel use.
- e. Describe how you avoid producing waste in line with Council Directive 2008/98/EC on waste.  
MRFs are used to process the recycling and recovery of waste, thereby playing a critical role in the UK’s recycling industry. At the Roseland Heathfield MRF the waste is not pre-sorted, therefore sorting efficiency is slightly lower. However, by utilising a variety of waste sorting equipment and processes, the vast majority of the co-mingled waste sent to the MRF will be recycled. Notwithstanding this there is a small proportion which is unsuitable. These contaminants must be separated from recyclable materials to ensure the high quality of the recycled material.

Material unsuitable for recycling is consequently rejected and will be disposed of externally. The adjacent Heathfield Landfill Site will receive much of the non-recycled wastes, subject to meeting the Heathfield Site’s Waste Acceptance Criteria. By locating the MRF immediately adjacent to the landfill, transport costs and carbon emissions are significantly reduced.