

ATTACHMENT G
RESOURCE USE AND ENERGY EFFICIENCY

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G.1 Raw Materials, & Product.

The main raw materials used by The Recycling Village and the estimated annual quantities of raw materials used and stored at the facility are tabulated below.

Material	Nature of Use	Annual Use	Stored
Electricity	Site Power	165600 kWh	0
Water	Domestic/potable	600m ³	0
Diesel	Forklift	2,700 litres	0
Baling Wire	Baling Plastic	120 units	4 units
Shrink Wrap	Wrapping Consignments	360 units	12 units
IBC Bags	Storing/Shipping Consignments	4200 units	1000 units
Pallets	Storing/Shipping Consignments	1200 units	100 units
Strapping	Securing Consignments	12 units	1 unit
Air Extraction Filters	Filtering air emissions	84 units	8 units

Further details are provided in Tables G 1.

G.2 Energy Efficiency.

The approximate annual electricity use at the facility is 165,600 kWh at a cost of around p11,000 per year.

Electricity consumption at the single building site is low and well controlled. Process equipment is switched off during breaks and when not required. Office lights are operated by sensors and heating is controlled by thermostats and timers. Staff are made aware to ensure that electrical equipment, lights, heating are not left on and operating outside normal operating hours.

As part of the site Environmental Management System, The Recycling Village Ltd has implemented a project (Env 6) to investigate and implement options to further control and improve the energy efficiency at the facility.