

Materials End Destinations

In 2017 / 18 Maldon District Council collected 22,867 tonnes of waste of which 59.6% was diverted for either recycling or composting.

Every quarter the Council has to report these figures to the government together with the end destination for all materials via an internet based website called Waste Data Flow.

Whilst some materials are fairly easily to report other are dependent on world markets and last year China tightened up their import controls for recyclate and no longer accept mixed plastics or mixed paper.

In response to this, and to ensure that sorting facilities were not stockpiling materials, the Environment Agency wrote to all local authorities earlier this year asking them to ensure that their 'Duty of Care' was being fulfilled and that the material they collected was being reprocessed correctly.

Two Officers from Maldon District Council subsequently visited Essex Reclamation to view the process and check the end destinations for all materials; this was fed back to the Environment Agency.

Below is a simplified table identifying the end destination for all materials:

Material	Tonnage		Transfer or sorting facility		End Destination
Residual Waste	9242.425	⇒	Chelmsford Waste Transfer Site	⇒	Basildon - Mechanical Biological Treatment
Food Waste	2277.41	⇒	Chelmsford Waste Transfer Site	⇒	Agrivert, Anarobic Digestion
Mixed Recycables (pink sacks)	4156.38	⇒	Essex Reclamation - Material Recycling Facility	⇒	Various – see below 'Mixed Recyclate'
Glass (blue box)	1687.366	⇒	Essex Reclamation - Material Recycling Facility	⇒	URM – new bottles and jars
Paper Banks	38.95	⇒	Green Recycling - Materials Recycling Facility	⇒	D S Smith - Paper Mill
Glass & Can Banks	247.1	⇒	URM – colour sorted and cans removed	⇒	URM – new bottles and jars
Textiles Banks	117.781	⇒	LMB - Textile sorting facility	⇒	Sold to Developing countries
Green Waste	5203.98	⇒	Appletons - Composting Facility	⇒	Sold to local farms & landscapers.

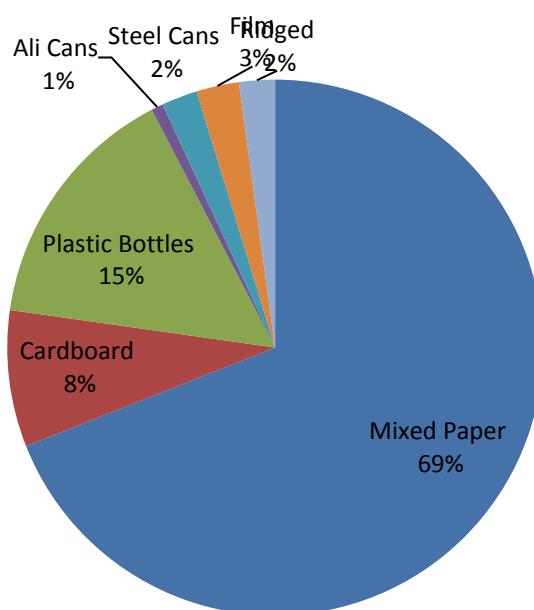
APPENDIX 2

As part of the Waste & Recycling Collections contract, Suez takes ownership of all recyclate upon collection and charge the Council a sorting/transfer fee and the income from the material is shared. Suez opted to send all the mixed recyclate and glass from the kerbside collections to Essex Reclamation in Witham, a family company that the Council have also used at various times in the past.

Mixed Recyclate

The pink sack co-mingled waste is sorted via a part automated / part manual process. On a regular basis the loads from MDC are analysed to provide the Council with a split for materials and an indication of the amount of contamination. In 2017/18 the contamination rate was 2.9% and this material was sent for Refuse Derived Fuel (RDF).

Below is a chart which demonstrates the percentages of different types of material in the pink sacks.



Essex Reclamation use an export company called Paper Link International to sell its paper and cardboard overseas including China, Malaysia and Pakistan. Essex Reclamation will also adapt to market demands and where additional sorting is required to ensure the sale of material in the UK then the company will double sort mixed paper to remove cardboard and newspapers and magazines.

The market for mixed paper is global and the tonnages being sent overseas for recycling can vary month by month. However as a guide for the last quarter:

- 25 tonne of cardboard was exported to China
- 101 tonnes of Newspaper & Magazines went to Palm Paper Ltd in Norfolk
- 673 tonnes of mixed paper was exported to Malaysia and Pakistan for further sorting.

Mixed plastics are sent to a company called Monoworld in Northamptonshire where it sorted and granulated.

Aluminium cans were sent to Novelis UK Ltd in Cheshire for reprocessing and steel cans were to European Metal Recycling Ltd in Tilbury.