

# Environmental Report

Customer Group:

Preston College

Date:01/02/2022 to 28/02/2022

TOTAL DIVERSION FROM LANDFILL : 100 %

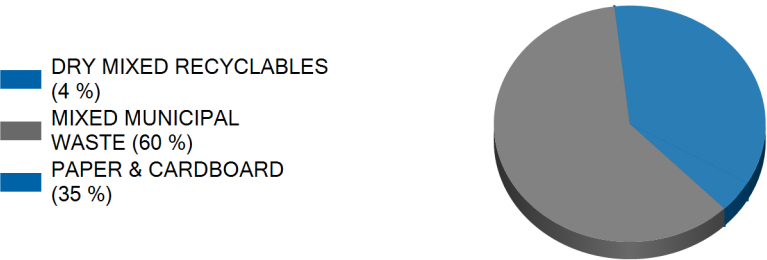
Welcome to your environmental report which shows you the breakdown of your waste by type, and what has happened to it once it has been collected. You'll notice the amount of waste which has been diverted from landfill. You'll see the proportion of waste which has been recycled, as well as waste sent for energy recovery at either an Anaerobic Digestion facility (AD, for food waste) or a waste-to-energy facility (Refuse Derived Fuel or RDF from non-recyclable general waste). We'll also show you the breakdown of recycled materials by the type of material. And you'll see how the equivalent energy generated through AD and RDF could be used. You'll see your data across the last 12 months on page 2 and following this, a breakdown of your waste by each individual site.



What happened to your waste?



Of your recycled waste, below shows the materials



Total Collected Waste (KG)

Material	Weight	Recycled	RDF	AD	Landfill
Cardboard	880.00	880.00	0.00		0.00
Dry Mixed Recyclables	110.00	110.00	0.00		0.00
Mixed Municipal Waste	5,049.00	1,514.64	3,534.24		0.00
Organic Food Waste	360.00		0.00	360.00	0.00
Total	6,399.00	2,504.64	3,534.24	360.00	0.00
		39.14%	55.23%	5.63%	0.00%

How your RDF and AD equates to energy

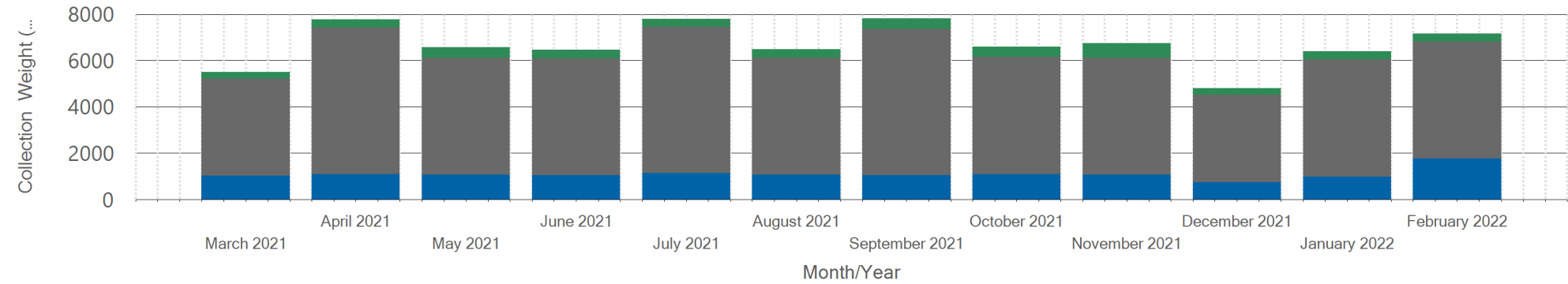
How your RDF and AD equates to energy					Energy Equivalent				
RDF kWh/Tonne - each tonne of RDF produces the below kWh (1)	RDF Weight (KG)	AD kWh/Tonne - each tonne of AD produces the below kWh (2)	AD Weight (KG)	Total kWh Produced	No of TVs powered for a year (3)	Washing Machine Cycles Complete (4)	No of Fridge Freezers powered for a year (5)	No of Office Printers powered for 1 week typical printing cycle (6)	Miles driven in a family electric car (7)
575	3,534	300	360	2,140	33	1,946	12	446	8,989

## References

- (1) : Average Net kWh/tonne input for 2017 is 575 kWh/tonne, from Tolvik Consulting report of UK EfW Statistics 2017, Page 6, section 3, Figure 11. URL : <http://www.tolvik.com/wp-content/uploads/Tolvik-UK-EfW-Statistics-2017.pdf>
- (2) : 300 kWh per tonne of food waste generated by AD, as stated by the Official Information Portal on Anaerobic Digestion FAQs, Question 3 "How much energy can you get from waste?" URL : <http://www.biogas-info.co.uk/about/faqs/>
- (3) : Based on the stated Annual Energy consumption of a Panasonic 40" full HD Smart LED Television, model TX-40FS500B, of 64kWh/Year. URL : <https://www.panasonic.com/uk/consumer/televisions/HDTV/tx-40fs500b.html>
- (4) : Based on the stated energy consumption of 1.10 kWh of a 40C colour cycle of a Bosch Serie 8 washing machine, model no WAW325H0GB URL : <https://www.bosch-home.co.uk/product-list/washers-dryers/washing-machines/front-load-washing-machines/WAW325H0GB?breadcrumb=frontloader#/?Tabs=section-technicalspecs/Togglebox=-1051994369/Togglebox=285469437/Togglebox=1118313654/>
- (5) : Based on the annual energy consumption of an LG Fridge Freezer Model No GBB60MCGFS of 178kWh, from the energy label. URL : <https://www.lg.com/uk/fridge-freezers/lg-GBB60MCGFS#>
- (6) : Based on the typical weekly consumption of a Canon imageRUNNER Advance office printer, model iR-ADV C7570i URL : <https://canon.ssi.cdn.sdlmedia.com/55910.pdf>
- (7) : Based on the WLTP combined cycle range of 168 miles of a 2018 Nissan Leaf with a 40kWh battery. <https://www.nissan.co.uk/vehicles/new-vehicles/leaf/range-charging.html>

Rolling 12 Month Collected Waste(KG)

Organic Food Waste   Mixed Municipal Waste   Dry Mixed Recyclables   Cardboard



			2021										2022	
Site Name	Material	EWCCode	March	April	May	June	July	August	September	October	November	December	January	February
Preston College	Cardboard	200101	798	963	963	935	990	963	935	963	963	660	880	1,650
	Dry Mixed Recyclables	150106	220	138	110	110	138	110	110	138	110	83	110	110
	Mixed Municipal Waste	200301	4,208	6,311	5,049	5,049	6,311	5,049	6,311	5,049	5,049	3,787	5,049	5,049
	Organic Food Waste	200108	270	360	450	360	360	360	450	450	630	270	360	360
	Total		5,495	7,771	6,572	6,454	7,799	6,482	7,806	6,599	6,752	4,799	6,399	7,169
	Total		5,495	7,771	6,572	6,454	7,799	6,482	7,806	6,599	6,752	4,799	6,399	7,169

Site and Waste Stream Breakdown (KG)

Site Name	Postcode	Cardboard	Dry Mixed Recyclables	Mixed Municipal Waste	Organic Food Waste	Total Weight	% Of Total
Preston College	PR2 8UR	880	110	5,049	360	6,399	100.00%
Total		880	110	5,049	360	6,399	100.00%
		13.75%	1.72%	78.90%	5.63%		



Carbon Footprint Limited have endorsed the service provided by B&M Waste and agents, which has reduced your indirect carbon emissions through landfill diversion. These carbon savings are calculated above. Please note that recycling rates may vary due to alternate tipping sites being utilised on occasion due to operational issues.

**If you have any queries regarding this report**  
**please email: [environmentalreports@bandmwaste.com](mailto:environmentalreports@bandmwaste.com)**  
**website: [www.bagnallandmorris.com](http://www.bagnallandmorris.com) telephone: 0330 1234 100**

