

BDR WASTE PFI
BDR Manager update report
December 2023

1. Governance

- 1.1. Contract Data - Performance reports are produced by the contractor on the 15th of each month, including information up to the end of the previous month. As this JWB meeting is held on the 11th December 2023, the contractor's data supplied only includes up to 31st October 2023 (November contractual information will not be received until the 14th December 2023). Through monitoring of the contract and communication with the contractor, the BDR team has included additional information on performance up to date, and the team has no concerns with performance and service delivery.
- 1.2. The BDR Team continue to work flexibly from Council offices across the BDR Partnership, the PFI Waste Treatment facility at Bolton Road and from their individual homes utilising MS Teams.
- 1.3. The BDR Team continues to comprise: -
 - 0.6 FTE Waste Manager – Beth Baxter.
 - 0.4 FTE Waste Manager – Paul Hutchinson
 - 0.6 FTE Senior Contract Officer – Paul Hutchinson
 - 0.4 FTE Senior Contract Officer – Vacant
 - 1 FTE – Senior Technical Officer - Vacant
 - 1FTE – Admin / Technical Officer (Career grade) – Rhonda Fletcher
- 1.4. In anticipation of the retirement of the senior Waste Manager in 2024, the changes in legislation derived by the Environment Act 2021 and the Contractor Renewi PLC and Renewi UK undertaking a strategic review of their position in the waste industry, a review of the team structure is being undertaken. This will ensure the BDR team is fully resourced to fulfil its role and requirements and will be presented to this group at a future meeting.
- 1.5. The BDR Team continues to receive external legal, financial and technical advice from specialists who have been advising the BDR Team on PFI matters and partnership working.
- 1.6. Technical Consultants (Stantec) are being utilised to investigate, review, and advise on issues such as EA permit changes, Persistent Organic Pollutants (POP's) change in law (CiL) implications and maintenance plans.

2. Contract Delivery

2.1. Waste Treatment

2.1.1. Waste Treatment – Bolton Road Facility - BDR waste received.

Table 1 – Year to date contract tonnes processed.

Inputs		2022/23	April	May	June	July	Aug	Sep	Oct	YTD 2023/24
	Contract Waste (Limbs)									
Barnsley	A (Household)	56765.72	4537.48	4435.30	4643.62	4003.12	4704.06	4295.94	4251.94	30871.46
	B (Commercial)	5829.66	460.22	512.36	514.24	507.86	505.80	473.24	514.06	3487.78
	C (HWRC)	5041.26	442.08	423.12	387.78	450.76	490.96	440.96	437.82	3073.48
	D (Public Highways etc)	1075.52	75.92	83.76	74.00	93.72	86.42	86.02	88.68	588.52
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Doncaster	A (Household)	74088.55	5982.26	5842.48	5639.54	5385.64	6062.64	5678.52	5375.96	39967.04
	B (Commercial)	5303.72	472.14	525.44	529.54	486.58	470.64	473.56	534.52	3492.42
	C (HWRC)	7340.50	660.00	602.72	593.18	635.58	631.22	594.78	603.86	4321.34
	D (Public Highways etc)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rotherham	A (Household)	53559.70	4218.29	4453.10	4346.74	4088.94	4497.16	4065.64	4309.82	29979.69
	B (Commercial)	3213.33	248.94	271.96	256.92	261.18	233.92	240.98	260.86	1774.76
	C (HWRC)	5732.70	523.36	510.32	463.38	497.98	566.64	507.70	483.86	3553.24
	D (Public Highways etc)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1.6.1. Waste Treatment – Bolton Road Facility - Third-party waste received.

Table 2 - Year to date Third Party waste tonnes processed.

Inputs - 3rd Party	2022/23	April	May	June	July	Aug	Sep	Oct	YTD 2023/24
Renewi Derby	11872.90	1829.60	2967.66	2244.38	1685.16	2585.90	1875.78	1656.80	14845.28

1.6.2. The amount of third-party waste being accepted is monitored and managed by the Contractor against Council delivered tonnage to ensure sufficient capacity to process and prioritise BDR waste. This will also allow for smoother acceptance of the priority waste from the Councils and increased reception pit cleaning as part of Renewi's fly management measures.

1.6.3. Increased third-party waste is now being accepted by Renewi due to their continued good management of waste acceptance, pit management and reduced levels of Household Waste collected by the Councils.

1.6.4. Process Performance

Table 4 - Year to date Bolton Road Process Performance

Performance	2022/23	April	May	June	July	Aug	Sep	Oct	YTD 2023/24
Recycling (%)	14.45%	14.73%	11.59%	13.68%	13.52%	13.75%	14.38%	14.06%	13.67%
Diversion (%)	99.10%	98.03%	89.48%	99.67%	102.74%	97.92%	102.37%	96.36%	98.08%
Moisture Loss (%)	29.49%	31.84%	29.75%	30.08%	33.77%	29.39%	29.57%	32.13%	30.93%

1.6.5. Landfill diversion is calculated by total waste diverted from landfill divided by the total waste delivered. Some months, diversion is above 100%. This is due to the processing of waste taking 14 days (over a month-end). Therefore, in some months more processed material may leave the site than is received. The landfill diversion target is an annual target.

1.6.6. Process Outputs

Table 3 - Year to date Bolton Road Process Outputs

Contract Outputs	2022/23	April	May	June	July	Aug	Sep	Oct	YTD 2023/24
Landfill	2040.51	131.88	124.76	119.96	118.22	148.12	136.39	135.72	915.05
Recovery (RDF + Moisture)	183172.97	14561.85	14900.94	15630.25	15249.89	16036.14	15474.24	14483.66	106336.97
Ferrous	1386.66	115.33	87.87	138.66	129.10	115.25	110.81	134.91	831.93
Non-Ferrous	448.90	45.24	28.57	28.44	54.28	27.75	24.96	42.46	251.70
Fines	12299.22	962.71	1058.00	1210.33	1085.74	1238.57	1142.15	1114.57	7812.07
Glass & Stone	6369.74	514.24	297.38	249.11	80.78	244.63	252.24	260.14	1898.52
Plastic	2047.60	205.23	63.84	121.27	260.85	207.61	253.28	211.45	1323.53
Direct Delivered	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recycling Sub-Total	22552.17	1842.76	1535.65	1747.81	1610.75	1833.80	1783.44	1763.53	12117.74
Ferrybridge Metals	2272.52	173.39	185.89	193.15	177.45	200.26	192.58	172.00	1294.72
AWM-Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fines CLO Uplift	2303.08	180.27	198.12	226.64	203.31	231.93	213.87	208.71	1462.85
Recycling Total	27127.76	2196.42	1919.66	2167.61	1991.51	2265.99	2189.89	2144.24	14875.32
Outbound Total	207765.66	16536.49	16561.35	17498.02	16978.85	18018.06	17394.06	16832.91	119819.74

1.1 Complaints

Table 5 - Complaints received by month.

2023/24	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Total
Flies	0 (0)	0 (0)	3 (0)	0 (0)	0 (0)	0 (0)	0 (0)				3 (0)
Noise	0 (0)	1 (1)	0 (0)	1 (0)	1 (0)	0 (0)	0 (0)				3 (1)
Odour	0 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)				1 (0)

(#*) Classified immediately as unsubstantiated by the EA (Distance from site, wind direction, closeness to other sources, description of complaint levied (burning waste!) or Hygiene / lack of own fly management at complainant's address).

2.2 Acid Scrubber

2.3.1 The acid scrubber dosing system work has been paused pending further responses from the designer and installing contractor, JCBE. No further updates at this stage. This is further complicated by the Anaerobic Digestion (AD) design issues (see below) and ongoing discussions between Renewi and JCBE.

2.4 Damaged Pasteurisation Tunnel Walls

2.4.1 Remedial work on the AD pasteurisation tunnel to repair concrete and heating pipes has been completed. The site is now pasteurising material and the full AD process is being achieved with CLO material being deployed for land remediation.

2.5 BAT's - permit emission amendments

2.5.1 Renewi have received a draft revised permit from the EA detailing the new required emissions levels. Renewi have formally written to the Councils to notify us that they believe this is a Qualifying Change of Law and therefore, once the changes in the permit have been analysed,

there may be a claim for any additional resource/expenditure to meet the new permit requirements.

- 1.6.7. Technical consultants Stantec have been appointed to the BDR team. They have been provided with details of the system and have provided an independent evaluation of the contractual performance baseline requirements.
- 1.6.8. The BDR Team have asked for Renewi to provide detailed analysis of the changes and an in-depth justification for any payment they feel is required from the council. The BDR team will undertake due diligence of any claim taking legal, financial, and technical advice from external experts to ascertain if payment is required or if a claim is to be rejected.

2.6 Mandatory Food Waste Transitional Arrangement application.

- 2.6.1 In November 2023 the BDR councils confirmed to Defra their requirement for transitional arrangements in relation to weekly food waste collections. The current long term residual waste disposal contract in place in the region is a mechanical biological treatment plant with an element of anaerobic digestion. Removing food waste from the residual waste stream would have minimal carbon benefits, adversely impact on the plant performance and result in increased processing costs. Ministers approved giving the BDR councils until after the date the waste disposal contract ends or alternative date as agreed to transition to weekly separate food waste collections from all households.

2.7 Barnsley Transfer Station – Grange Lane

- 2.7.1 Dilapidation Works - All delays works have now been completed. BMBC commissioned a survey of a schedule of conditions to record a standard for Renewi to keep the site in a good and tenable condition to the end of the contract, which is currently being reviewed by BMBC. Once the review is completed a variation to the BTS contract will be drawn up to agree the maintenance of the facility and more specifically, how the paintwork on the steel should be managed.

2.8 Barnsley Transfer Station - Persistent Organic Pollutants (POPs)

- 1.1.1. The BDR Team have received a CiL claim in respect of the contractual handling of POP's waste. Renewi are claiming for additional cost associated with handling and disposing of this waste and are not seeking to change any definitions or classifications of what waste is contractual (or not). The BDR team have reviewed Renewi's claim and agreed interpretations, the cost calculation and mechanisms and amount payable. This is now being fed through monthly onto the UC invoice. Renewi have obtained a secondary POP's offtake to ensure contingency. Renewi have negotiated the same below market rate for POPs disposal with each off taker. The cost to the Councils has been reduced/off-set by savings made in the contract with not having to send some of this waste to landfill.
- 1.1.2. An Environment Agency audit took place at BTS to review how the site is handling the POP's waste. No issues or corrections were raised by the EA and confirmation via a CAR report confirmed correct handling of POPs waste is being undertaken.

1.2. Barnsley Transfer - Expansion

1.2.1. The BDR Team have asked Renewi to undertake a feasibility study on the possible extension of BTS. This work is being undertaken to see if any new capacity can be obtained to help both BMBC and Renewi manage new and increased waste streams, incorporating possible new technology. Should BMBC wish to progress this would be a Council change and the details of costs apportionment etc would need to be developed. It should be noted that it is likely that more materials including carpets, some textiles and potentially mattresses could be designated as POPs waste in the future. This will potentially result in more requirement for shredding and mixing the resultant material with Refuse Derived Fuel (RDF) to reach an optimum calorific value for ultimate disposal at a suitable Energy recovery Facility (ErF). A request for a feasibility study on size and type of new buildings that could be erected, a guide to price, and a proposal as to how the project could be delivered/managed (by who, how long etc) has been produced by Renewi and this report is included as appendix 1 to this Managers Report.

2.10 Health and Safety

2.10.1 Close calls are actively sought to be raised. By reporting issues where improvements can be made, or where expected levels of behaviour/working have not been maintained it will increase learning and improve safety across the whole site. The three main class of close calls are in relation to housekeeping - work tools not being stored promptly after use, compliance with site rules – correct PPE not being worn by site users and maintenance – lights flickering, unplanned maintenance being required.

Table 6 – Year to date Health and Safety

2020/21	Close Call	Accident less than 3 days	Accident more than 3 days	Non RIDDOR dangerous occurrence	RIDDOR dangerous occurrence	RIDDOR more than 7-day injury	Major RIDDOR	Environmental
April	90	0	0	0	0	0	0	2
May	80	0	0	0	0	0	0	0
June	79	0	0	0	0	0	0	1
July	48	0	0	0	0	0	0	0
August	74	0	0	0	0	0	0	1
September	109	0	0	0	0	0	0	0
October	88	1	1	0	0	0	0	0
November								
December								
January								
February								
March								
YTD Total	568	1	1	0	0	0	0	4

2 Legal

3.1 The BDR Team and their external legal and financial advisers continue to work on major and minor variations to the contract to improve the overall service delivery, processes, performance, and contractual interaction between BDR and the contractor.

3.2 Joint Insurance Cost Report (JICR)

3.2.1 The position remains the same as previously reported following receipt of the 4th JICR in February 2023, the BDR Team has again formally rejected the amended JICR and issued a letter outlining where there remains disagreement with calculations used in the JICR.

3.2.2 It should be noted that the BDR position on JICR is not unique and many PFI's JICR are not yet agreed. Further guidance from the Infrastructure Projects Authority (IPA) on the application of the contract in relation to JICR is expected although there is, as yet no indication of when this will be available. The BDR Manager has raised that IPA should ensure that MBTs should not be adversely impacted by the guidance.

4 Financial

4.1 The 23/24 budget was approved at the Joint Waste Board (26th June 2023), at £340,000.

Table 7 - Operational Management Budget 2023/24

23/24 Budget - Approved by JWB				2023/24 BDR Recharge split	
	2023-24 Budget	Forecast	Variance		
Management	£175,000	£131,916	-£43,084	BMBC	£93,040
Administration	£25,000	£21,174	-£3,826	DMBC	£93,040
Call off Legal	£0	£129,102	-£10,898	RMBC	£105,313
External Finance	£35,000				
External Legal	£65,000				
External Technical	£30,000				
External Insurance	£10,000				
Call off Finance	£0				
Call off Technical	£0				
Projects	£0	£0	£0	Total	£291,393
Total	£340,000	£282,192	-£57,808	Small discrepancy in total v forecast due to year end accrual recharge	

4.1.1 Expenditure has been profiled and re-calculated to ensure the team meets all the anticipated workloads due in the 23/24 financial year.

4.1.2 Technical, Legal and Financial advice expenditure will be utilised to deliver the outcomes of the Resource and Waste strategy for England (R&WS), and particularly understanding further (yet to be announced) details expected of the “Simpler Recycling” policy. The BDR Team may need to commence negotiations because of new R&WS legislation, such as change in law claims to cover costs of implementing operational changes to the PFI facility, and variations to the PFI contract.

4.1.3 The government recently announced the re-timetabling of the introduction of a Deposit Return Scheme (DRS) and to a lesser extent the introduction of Extender Producer Responsibility (EPR) (from R&WS) by around a year (now anticipated in 2025).

4.1.4 Increased provision in the budget has been made to recruit a new Senior Technical Officer. But, with the government delay in introducing the R&WS, lack of suitable candidates applying, and the BDR Team reviewing the recruitment strategy there will be a planned delay in appointing to this post.

4.1.5 Legal and financial advice expenditure will also be utilised to review, understand and assess any potential impacts or risks (financial, operational, legal and contractual) that could be associated with the recent announcement by Renewi that it is undertaking a strategic Review of its UK Business (RUKS). The BDR team are liaising with the Waste Infrastructure Development Program (WIDP) transactor, Defra and colleagues from other authorities to assess options. The options appraisal work may impact on any budget savings.

4.1.6 The BDR team will use its resources to support BDR councils for partnership working, including the HWRC re-tendering and supporting councils as their waste management teams work towards any individual or joint impacts emerging from the Resource and Waste Strategy.

4.1.7 The BDR team will look to be prudent with any expenditure and will seek to make savings on the budget where possible.

5 Communications

5.1 Community Education Liaison Officer (CELO)

From January 2023 there has been a reduction in CELO staff by 50% as the assistant CELO started her maternity leave (due back January 2024).

From Oct 2023 the CELO herself started maternity leave and is due to return Sep 2024.

Renewi have appointed a new temporary CELO for the period the CELO is on Maternity leave.

This has had an effect on the volume and types of CELO work that can be undertaken in 23/24 and 24/25 and the 23/24 CELO plan has been drafted in collaboration with the Councils taking into consideration their desired areas of action coupled with the current staffing levels.

5.2.1 Press Releases –

- International Compost Awareness Week
- Renewi BDR Corporate Social Responsibility Fund

5.3 Community Education Liaison Officer (CELO)

5.3.1 Social media: The following campaigns have been undertaken in the last quarter.

- Tip about boiling water in your kettle when cooking things on the hob
- How batteries do not belong in general (residual) waste bins

5.3.2 Food waste project

In July, possible households for interview were contacted and offered a series of interview slots. Of the 18 households contacted 10 have responded and interviews are scheduled to take place in August.

5.3.3 Recycle Week 2023:

In July, WRAP publicised the date of Recycle Week 2023 as 16th – 22nd October, this year will be the 20th Recycle Week and the theme was 'Join the big Recycling Hunt'.

5.3.4 Renewi BDR Corporate Social Responsibility Fund

Due to the poor quality of applications received in recent years, a decision was made that a change of approach was required. For 2023 groups will be invited to submit a 200-word expression of interest that will be used to determine which groups to contact for further details. Research is underway to determine 3 to 6 groups in the BDR region that fit the criteria for a Renewi CSR grant/gift.

5.3.5 Hubbub Campaign

The hubbub campaign is almost complete, and the following have been provided to each council:

- Digital versions of leaflets
- Editable versions of the leaflets (through Canva)
- A finished animation
- A 30 second version of the animation
- A social media schedule for the councils.

6 Resources

6.2 The BDR team has been assisting Barnsley, Doncaster and Rotherham councils with projects as identified in section 7.0. There is additional support as required, from a legal locum, internal and external technical advisors, and financial advisors, for more complex matters. It should be noted that the increase in consultation activity from central government departments is putting pressure on resources. Once the outcome of the consultations is known it is likely that more resources will be required to implement changes to contracts and services.

7 Joint working and BDR support

7.1 Listed below are the current projects and areas where the BDR team is helping to support the individual Councils or co-ordinate joint work:

BMBC

- Additional support of Paper and Card contract due to legal negotiations with current supplier.
- Facilitating completion of delays work at BTS.
- Working with BMBC on tipping protocols for Fires in Vehicles.
- Facilitating numerous non-contractual and contractual additional /new waste stream disposals.
- Facilitating sampling of non-contract waste streams.
- Help on new Fly-tipping and skips disposal contract specification
- Help on new Paper and Card disposal contract specification

DMBC

- Assistance with the development of the Doncaster Environmental Strategy

RMBC

- The BDR Manager is a Climate Change Champion for RMBC
- Assistance on Service and Team Plans for waste teams
- Assistance with Commercial Waste recycling - scoping and service engineering
- Assistance with HWRC re-tendering
- Assistance on RMBC Waste Team structure

B.D.R

- Co-ordination, collation, and submission to numerous Government/Defra consultations for and around the waste sector.
- Solutions and progression of HWRC contract variation requirements
- Leading on procurement of new HWRC provision and solution post 2023 – new contract
- Lobbying Government on the delays on the R&WS outcomes
- Changes required due to Resource and Waste Strategy
- Pre-work on Strategic Review of SYMWS as requested at JWB
- Making application for transitional arrangement for Separate Food waste collection

8. Glossary of Terms

Term	Definition
A2A (formerly Ecodeco)	Italian company who research, design, construct, and manage plant and equipment for the disposal of waste.
Anaerobic Digestion (AD)	A series of biological processes in which micro-organisms break down biodegradable material in the absence of oxygen. One of the end products is biogas, which is combusted to generate electricity and heat.
Calorific Value (CV)	The calorific value is the total energy released as heat when a substance undergoes complete combustion with oxygen under standard conditions
Compliance Assessment Report (CAR) form	A CAR form is used by Environment Agency officers when assessing compliance with Environmental Permits.
Compliance Classification Scheme (CCS)	Compliance Classification Scheme (CCS) score and what action EA are considering. A CCS score is recorded where non-compliance with a permit condition(s) has been identified
Compositional Analysis	Waste Composition Analysis is a study that provides essential information about the weight and type of each component waste material that is in any given waste stream. It firstly involves obtaining representative samples of these waste streams, then manually hand sorting into various pre-defined sort categories using the correct methodology, which are then weighed in each individual fractions in align with Waste Data Flow (WDF) municipal reporting each waste stream has its own European Waste Code (EWC).
Compost Like Output (CLO)	The processing of a waste stream by mechanical sorting and separation of waste into distinct fractions of biodegradable and non-biodegradable materials.
Department for Environment, Food and Rural Affairs (DEFRA)	The UK government department responsible for policy and regulations on environmental, food and rural issues.
Duty of Care	A legal responsibility to ensure that you produce, store, transport and dispose of your business waste without harming the environment.
Environment Agency (EA)	An executive non-departmental public Body responsible to the Secretary of State for Environment, Food and Rural Affairs for issues affecting the environment.
Energy-from-waste (EfW)	An energy recovery process that generates renewable power in the form of electricity, heat or transport fuels from the controlled incineration of residual waste. An EfW plant contributes towards carbon emissions reductions and the reuse and recycling of materials that would otherwise go to landfill.
FCC Environment	One of the UK's leading waste and resource management companies.
Facebook	Facebook, Inc. is an American online social media and social networking service company.
Ferrybridge Multifuel 1/Multifuel 2 (FM1/FM2)	Multifuel Energy Ltd. (MEL) operates a new £300 million multifuel plant on land owned by SSE at Ferrybridge 'C' Power Station near Knottingley in West Yorkshire. This project is called Ferrybridge Multifuel 1/2 (FM1/FM2)
Household Waste Recycling Centre (HWRC)	A civic amenity site (CA site) or household waste recycling centre (HWRC) is a facility where the public can dispose of household waste and also often containing recycling points.
Joint Insurance Cost Report (JICR)	Set out the mechanism for the insurance review procedure and sharing of insurance.
Joint Waste Board (JWB)	The Statutory Committee comprising Portfolio Holders and Senior Officers with responsibility for waste.
Mechanical Biological Treatment (MBT)	A type of waste processing facility that combines a sorting facility with a form of biological treatment such as composting or anaerobic digestion. MBT plants are designed to process mixed household waste as well as commercial and industrial wastes.
Persistent Organic Pollutant (POP's)	Are chemical substances that do not break down in the environment. They are a danger to human health and the environment
Private Finance Initiative (PFI)	Mechanism for creating "public-private partnerships" (PPPs) by funding public infrastructure projects with private capital.
Refuse Derived Fuel (RDF)	a fuel produced from various types of waste such as municipal solid waste (MSW), industrial waste or commercial waste.
Renewi BDR Ltd	Following SSE's exit from Ferrybridge, Renewi now control 100% of the SPV. The new name of this business entity is Renewi BDR Limited
Resource and Waste Strategy (R&WS)	A strategy which sets out how we will preserve our stock of material resources by minimising waste, promoting resource efficiency, and moving towards a circular economy.
Solid Recovered Fuel (SRF)	A fuel produced by shredding and dehydrating solid waste (MSW) with a waste converter technology.
Waste Infrastructure Credits	Awarded by DEFRA to incentivise local authorities to develop infrastructure to treat waste as an alternate to landfill.

Waste Transfer Station (BTS)	Facilities where municipal solid waste is unloaded from collection vehicles and briefly held while it is reloaded onto larger long-distance transport vehicles for shipment to landfills or other treatment or disposal facilities.
Waste and Resources Action Programme (WRAP)	WRAP works with governments, businesses and communities to deliver practical solutions to improve resource efficiency.

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