

JOINT WASTE DISPOSAL BOARD

NOTICE OF MEETING

THURSDAY 4 JULY 2019

TO: ALL MEMBERS OF THE JOINT WASTE DISPOSAL BOARD

You are invited to attend a meeting of the Joint Waste Disposal Board on **Thursday 4 July 2019 at 9.30 am** in the Education Room, Smallmead Recycling Centre, Reading RG2 0RP. An agenda for the meeting is set out overleaf.

Oliver Burt
re3 Strategic Waste Manager and
Project Director

Members of the Joint Waste Disposal Board

Councillor Mrs Dorothy Hayes MBE, Bracknell Forest Council
Councillor John Harrison, Bracknell Forest Council
Councillor Sophia James, Reading Borough Council
Councillor Tony Page, Reading Borough Council
Councillor John Halsall, Wokingham Borough Council
Councillor Parry Batth, Wokingham Borough Council

EMERGENCY EVACUATION INSTRUCTIONS

If you hear the alarm:

- 1 Leave the building immediately**
- 2 Follow the green signs**
- 3 Use the stairs not the lifts**
- 4 Do not re-enter the building until told to do so**



If you require further information, please contact: Hannah Stevenson
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WOKINGHAM
BOROUGH COUNCIL



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JOINT WASTE DISPOSAL BOARD
25 APRIL 2019
(9.30 - 11.18 am)

Present: Bracknell Forest Borough Council
Councillor Mrs Dorothy Hayes MBE
Iain McCracken

Reading Borough Council
Councillor Sophia James
Councillor Tony Page

Wokingham District Council
Councillor John Halsall
Councillor Simon Weeks

Officers:

Peter Baveystock, Wokingham Borough Council
Grace Bradbrook, Re3 Principal Finance Officer
Monika Bulmer, re3 Marketing and Communications Officer
Oliver Burt, re3 Strategic Waste Manager
Kevin Gibbs, Bracknell Forest Council
Sarah Innes, re3 Monitoring and Performance Officer
Damian James, Bracknell Forest Council
Pam Rowe Jones, Reading Borough Council

30. Declarations of Interest

There were no declarations of interest.

31. Minutes of the Meeting of the Joint Waste Disposal Board

RESOLVED that the minutes of the meeting of the Joint Waste Disposal Board held on the 24 January 2019 be approved as a correct record and signed by the Chairman.

32. Urgent Items of Business

There were no urgent items of business.

33. Progress Report

The Board received a report briefing them on the progress in the delivery of the re3 Joint Waste PFI Contract. The report covered:

- re3 Waste Strategy Targets
- Waste Compositional Analysis
- Contractor Appraisal
- HMRC Reuse
- Paint
- Waste Acceptance Protocol
- Communications
- Foil
- re3grow

The Board was advised that:

- The data provided within the presentation covered the full 2018/19 contract year. These were the provisional results.
- Bracknell Forest Council had not yet met their 2020 target. However there was an increase in the recycling rate compared to previous year. It was thought that introduction of wood recycling had helped to increase the rate.
- The kerbside recycling figure was slightly down.
- Reading Borough Council had an increase in recycling rate, however there was further work to undertake in the forthcoming year. It was thought that the inclusion of pots, tubs and trays had assisted in increasing the rate as there was also lower amounts of black bag waste.
- Wokingham Borough Council had also seen an Increase in recycling rates.
- The re3 team had commissioned an analysis to determine the physical composition of residual waste collected at the kerbside – how much waste could have been recycled if in correct bins.
- The slides covered the composition of waste from houses that could have been recycled through kerbside recycling or bring bank recycling. This was on average 18% across the three Boroughs.
- The amount of recycling in residual waste collected at flats was higher than in houses. There was a large variance across the three Boroughs due to the different composition of flats.
- The last compositional analysis had been undertaken in 2016, and the same roads and flats had been compared in the 2019 analysis.
- Garden waste data had been removed as it was seasonal.
- Some of the data had been reclassified, as tetra packs, tubs, pots and foil had not been included in non residual waste in 2016.
- There was less plastic bottles and paper than in 2016.
- There had been a large increase in flats with more textiles present in Reading and Wokingham samples.
- ACORN profiling had been used. The data was able to show which groups were missing key recyclables.
- The data showed which groups were putting the most recycling in their residual waste. This tended to the less affluent areas in Bracknell Forest & Reading and the most affluent areas in Wokingham.
- The textiles category did not include nappies.
- The contractor appraisal sat alongside the contractor measurements and had been introduced a couple of years ago.
- Good scores had been received for areas such as customer contact and service delivery. Lower scores had been given for adherence to the contract and provision of financial information.
- The contractor had commented that they were not happy with the scores or processes. The contractor had asked to work with re3 to ensure the scores improved at the next appraisal. Officers reassured the Board about the objectivity of the appraisal process and welcomed the Contractor's willingness to improve.
- Members requested that the contractors attend the next Board Meeting.
- There was now a good working relationship with the contractor, and they were much more responsive to the councils needs.
- At the last meeting a reuse shop was discussed.
- Further information regarding Sue Ryder had also been requested. 45 Tonnes had been collected in 2018/19. Just under £18k had been generated.

- Precycle took reusable materials from HWRC and in March 2019 had increased the range of materials they take.
- Precycle was in the early stages but was progressing well.
- Precycle were not charity and were based in Reading. They collected material to resell in the UK or to reuse overseas.
- Members suggested that the Sue Ryder initiative should be promoted as a good news story.
- A re3 reuse shop had been long talked about. The contractor was working up a proposal for the reuse shop run along side the current initiatives. The business case would be presented to the board at the next meeting.
- It was expected that the reuse shop would be at Smallmead, Reading, as space within Longshot Lane, Bracknell, was very tight.
- The 6 month paint hardening trial concluded in March 2019.
- Feedback had been provided by the EA. They were broadly happy with the process at Smallmead so FCC were planning to submit a permit variation.
- The process at Longshot Lane was slightly different as the paint was stored then all hardened in one go. In order to ensure that the EA were comfortable with the process at Longshot Lane FCC were asking the EA for extension to the trial to see if the same process could be used as at Smallmead.
- The Chair, Damian James and officers from the re3 Project Team had met with Green Machine. Following the meeting, officers and Green Machine were going to review procedures and the ongoing performance of the scheme.
- The permit variation could take up to 6 months and cost £6k.
- Officers had proposed that, where proof of re3 residence was required by visitors to the re3 Household Waste Recycling Centres, printed documents (e.g. council tax, utility bills or formal correspondence) be used to demonstrate proof of address be issued no more than three months prior to the date of visit.
- Members requested that the date be extended to 4 months as bills were often issues quarterly.
- Many users still have re3 stickers in their cars.
- Officers explained that it was likely that some residents, from outside the re3 area, were using stickers donated or lent by friends and family.
- It was requested that a copy of bills on phones be accepted as many people get bills via email/online than in paper form.
- The Lotta bottle winners had been announced with photos taken with Councillors and stories promoted on social media and local media.
- re3 adverts had been included in council magazines.
- The download of the re3cyclopdia app was growing. Members and officers were requested to help promote use of re3cyclopedia as the issue of confusion over what can and cannot be recycled is often cited – such as in the Government's recent Resources and Waste Strategy.
- There had been over 4k searches each month and food items had been added for WBC.
- Work was being undertaken with council's customer services teams to promote and push customers towards the website and app for enquiries.
- The new website had been launched and was much more modern and easy to navigate. The feedback so far had been good.
- Posters were being used at recycling centres to promote the recyclopdia.
- The takeaway lid promotion had finished, although some entries were still coming through on social media.
- Officers were unable to conclude an impact analysis as there was a lack of data from last year, but it was thought that the promotion was worth doing again.

- Over 4000 re3grow bags, of locally sourced and produced, peat-free compost, had been sold. There had been lots of positive posts on social media, from satisfied customers, and no negative feedback.
- A meeting had been held, which the Chair attended, in March with local community groups which was focusing on plastic reductions. Representatives from Reading and Bracknell had attended. The meeting had been very positive and strengthened actions and efforts to reach out to the Town, Parish and Borough Councils.
- The upcoming communications plan would be focusing on plastics as a priority item as the compositional analysis had indicated that there was still a significant number of recyclable plastic items in the general waste bins.
- A number of posters and campaigns had been produced which used the environmental messages, but also combined this with the Council's financial messages and council savings. Members indicated that they were very keen to link the two messages together as there was a clear link between the two.
- The Board were keen for the message to be as specific as possible as often residents were not aware of what front line services were. Playground – v strong message – people see everyday link
- It was requested that the reach of social media be shared with the Board at future meetings.

RESOLVED that

- i. Members note the contents of the report.
- ii. Members endorse the Contractor Appraisal as detailed at 5.14 to 5.19 and in Appendix 2 of the progress report and invite the Contractor to attend and present at the next Board Meeting in July.
- iii. Members endorse the recommendation at 5.39 for the re3 Waste Acceptance Policy to be amended to require that specific types of proof of address should not be more than four months old.
- iv. That Members endorse the re3 Communications Plan for 2019/20 as described between 6.9 and 6.15 of the progress report.

34. Exclusion of Public and Press

That pursuant to Regulation 21 of the Local Authorities (Executive Arrangements) (Access to Information) Regulations 2000 and having regard to the public interest, members of the public and press be excluded from the meeting for the consideration of items 7 & 8 on the agenda which involves the likely disclosure of exempt information under the following category of Schedule 12A of the Local Government Act 1972:

- (3) Information relating to the financial or business affairs of any particular person.

35. Financial Management Report

The Board received the Financial Management Report briefing them on the Partnership's current financial position.

Peter Baveystock at Wokingham Borough Council gave the Board an update on the implementation of Food Waste Collections at Wokingham Borough Council.

- Peter was thankful for all the help from the re3 Management Team with securing the food waste outlet and PR help.
- Tonnages had been encouraging building up to over 90 tonnes in week three– 1.4 kgs/hh/pw.
- From their experience of the introduction of the service, Officers from Wokingham would recommend providing residents with plastic caddie bags.
- Wokingham were happy to help other Councils with their plans including an introduction to WRAP or Eunomia.
- Delivering the 64,000 containers took 4 – 5 weeks. Suppliers Straight via Veolia, the cost including delivery was around £350k.
- The introduction of food waste boxes has created demand for black boxes so Wokingham were hopeful that there would be a kerbside increase.
- The focus was now on flats and Wokingham would be happy to make this a joint re3 project.

What went well:

- Collecting on the same day and same time as other waste.
- Briefings for all those involved including Members, collectors, Comms and Customer Services.
- Clear comms to residents .
- Taking comments and advice from WRAP & Eunomia.
- WBC Cross Council Project working group.

What didn't go so well:

- No detailed delivery schedule provided for the containers.
- Did not anticipate high call demand.
- Did not anticipate so many non deliveries.
- Did not anticipate route changes would have caused so much disruption even though, days weren't changed - just times.

It was agreed that a meeting would be held, either individually or collaboratively regarding the possible introduction of food waste at Bracknell and Reading.

RESOLVED that

- Members note the Partnership's financial position for the year to date.
- Members endorse the recommendation at 5.17 for estimated capital expenditure at each Transfer Station for the implementation of food waste.

36. **Shared Contract Report**

The Board received a report providing an update on the re3 Shared Waste PFI Contract, the successful delivery of the savings target and other relevant issues.

RESOLVED that

- Members note the contents of this report and the different approaches to savings within the shared arrangements described herein.
- Members requested a joint presentation on each council's communications plans, for waste and recycling, at the July 2019 re3 Board meeting, as described at 5.27 of the report.

- iii. Members note the Specification and Project Plan for the completion of Objective Options Reviews for Phase 2 of the savings project.
- iv. Members endorse the intention to utilise a combination of budgeted re3 partnership funds and additional funding agreed by each council, as described at 5.36 of the report.

37. **AOB**

The Board were happy that the letter to DEFRA be sent from the Chair of the Board.

The Board were reminded that Local Elections were happening on the 2 May, so the composition of the Board at July's meeting could be different. Special thanks was given to Councillor McCracken who was stepping down as a Councillor and had been on the Board for the past fifteen years.

There had been very few response to the consultation. Officers confirmed that they would put together a draft response and a template answer for Board Members.

38. **Date of the Next Board Meeting**

The next Joint Waste Disposal Board is scheduled for the 4 July 2019, at Smallmead Recycling Centre.

CHAIRMAN

TO: JOINT WASTE DISPOSAL BOARD
4th July 2019

PROGRESS REPORT

Report of the re3 Strategic Waste Manager

1 INTRODUCTION

- 1.1 The purpose of this report is to brief the re3 Joint Waste Disposal Board on progress in the delivery of the re3 Joint Waste PFI Contract.

2 RECOMMENDATION

- 2.1 **That Members note the contents of this report.**

3 ALTERNATIVE OPTIONS CONSIDERED

- 3.1 None for this report.

4 REASONS FOR RECOMMENDATION

- 4.1 The purpose of this report is to brief Members in relation to progress in delivery of the re3 Joint Waste PFI Contract.

5 PROGRESS IN RELATION TO WASTE MANAGEMENT

re3 Waste Strategy Targets

- 5.1 At the Joint Waste Disposal Board in October 2018, Members requested that provisional recycling information be reviewed in relation to Objectives C and D of the re3 Strategy 2018-19 at each quarterly Board Meeting.
- 5.2 Due to the scheduling of the July meeting, data for Quarter 1 2019/20 is incomplete at the time of writing this report. However indicative data for April and May has been presented in Appendix one. Where data is usually received on a quarterly basis estimates have been based on the same period in 2018/19 and these will be replaced with 'actual' data as soon as they are received.
- 5.3 The provisional data indicates that each of the re3 Councils will have seen an increase in its recycling rate in quarter 1, when compared with performance in the same period in 2018/19. As expected, the recycling rates have improved following the introduction of wood recycling via the re3 Household Waste Recycling Centres (HWRCs) and the largest increase has been seen in Wokingham, where the recycling of food waste has also had a positive effect.

6 COMMUNICATIONS

- 6.1 The 2019/20 re3 Marketing and Communications Plan proposed using findings from the compositional analysis in campaigns that aim to boost plastic recycling. Further to the compositional analysis, the re3 Monitoring and Performance Officer is commissioning maps which show areas across each Borough that have a high concentration of recyclable plastic material in the residual bins and that match specific demographic criteria. This combination of factors enables a targeted campaign.

- 6.2 Households, in targeted areas, will receive promotional material with a call to action to recycle more plastics. Residents will be able to access more detailed information and plastic recycling guide via re3 website.
- 6.3 Simultaneous and targeted social media content, based on the same demographic and location criteria, will be published to support the delivered promotional material.
- 6.4 Finally, the re3 Marketing and Communications Officer is investigating the potential costs and practicality of adding other channels such as outdoor advertising.
- 6.5 It is proposed that the evaluation of the campaign will be undertaken through sampling of specific rounds prior, during and after the activities. To receive a better understanding on the activities similar monitoring will be undertaken in the control area (where no activities take place).
- 6.6 re3 will continue subscription of the re3cyclopedia tool as analysis shows continued growth of number of users and waste item searches. To date, the app was downloaded by 5,500 residents and over the course of May we recorded the highest amount of searches per month – over 5,300.
- 6.7 Results indicate that re3 residents are seeking reassurance on what can be recycled and find this tool helpful and educational. In addition, a high number of searches are likely to have impact on the amount of direct queries related to recyclability of items received by the customer service teams, re3 admin team or re3 Marketing Communications Officer.
- 6.8 To further increase the number of downloads; a poster promoting the app has been displayed at the Recycling Centres.
- 6.9 The re3 Marketing and Communications Officer recently partnered with the University of Reading and OLIO, a food sharing and social media app, to jointly promote food waste reduction and increase of recycling. The Students Engagement Team produced branded heavy duty bags that promote the re3 app and OLIO apps. The re3 Marketing and Communications Officer attended a promotional event in June to reach out to students that are leaving university this year and the efforts will be repeated in September to reach new wave of students arriving to the area.
- 6.10 Further engagement with residents is being developed via digital newsletter sent to subscribers. The re3 Marketing and Communications Officer will produce regular updates that fit the themes of Reduce, Reuse and Recycle and will use this channel to promote relevant news and initiatives to residents.
- 6.11 At the Board meeting of April 2019, Members requested an update on social media activity undertaken by re3 Marketing and Communications Officer. The purpose of this update is to show importance of nurturing engagement with residents that are present online and using it to further impact behavioural change towards waste and recycling across Boroughs.
- 6.12 Key metrics that are critical in showing the importance of the tool are engagement rate, reach and followers growth.
- 6.13 Based on last 6 months data, the average Facebook post is reaching approx. 1,500 users, with the top performing post achieving over 10k. Engagement rate (the amount of people engaged with a story divided by reach of the post) is proving to be consistently high, with an average of 8%. Top performing posts are achieving a rate

of ~25% and every third of posts had engaged over 10% of audience. Results are appearing to be highly satisfying when compared with the industry standards guidelines of: <1% = low engagement rate, 1%-3.5% = average/good engagement rate, 3.5%-6% = high engagement rate.

- 6.14 Since January 2018, the number of Facebook users has increased by 320%, Instagram followers by 600% and Twitter followers by 30%. Facebook user's growth rate is approx. 15% each quarter.
- 6.15 Demographic data provides insights into the audience and shows that a great majority of followers are females. Almost a half of users are of age 35-44 and over 90% are living within boundaries of three boroughs.
- 6.16 At the Board meeting of April 2019, Members were updated on the successful performance of the Reuse Scheme. This news was communicated to the public and local press and advertised on the social media.
- 6.17 At the Board meeting of April 2019, Members requested a joint presentation on each council's communications plans, for waste and recycling. This activity is rescheduled to the next meetings.

7 ADVICE RECEIVED FROM ADMINISTERING AUTHORITY

Head of Legal Services

- 7.1 None for this report.

Corporate Finance Business Partner

- 7.2 None for this report.

Equalities Impact Assessment

- 7.3 None.

Strategic Risk Management Issues

None

8 CONSULTATION

8.1 Principal Groups Consulted

Not applicable.

8.2 Method of Consultation

Not applicable.

8.3 Representations Received

Not applicable.

Background Papers

None

Contacts for further information

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APPENDIX ONE – Objective C and D

Bracknell Forest

Category	Background	Cumulative Performance			
		Target/Indicator		April and May	
C1A Statutory Recycling Target	This target is the traditional 'recycling rate' target that should be comparable with other councils in the UK.	Target: 43%		45.97%	
C1B Kerbside Recycling	Using the respective weekly council kerbside collections is an effective way to recycle. This indicator looks at this service alone.	Target: 23%		24.86%	
C1C Including Incinerator Bottom Ash (IBA)	<i>Despite displacing 'virgin' materials, the recycling of IBA into building blocks is not yet counted as 'recycling' by the Government. Nonetheless, re3 recognises the value of this activity.</i>	9%		6%	
C1E Contamination	<i>Contamination is the term used to describe items which are not supposed to be present within recyclables. The level of contamination is, therefore, an indicator of the effectiveness of waste collection arrangements. It also has an impact on recycling because at high levels of contamination it can become harder to separate 'good' recyclables from the unwanted items.</i>	Target	80.72%	Target	85.79%
		Non Target Paper and Card	3.10%	Non Target Paper and Card	5.40%
		Other Non-Target and Non-Recyclable Material	16.17%	Other Non-Target and Non-Recyclable Material	8.81%

Reading

Category	Background	Cumulative Performance			
		Target/Indicator		April and May	
C2A Statutory Recycling Target	This target is the traditional 'recycling rate' target that should be comparable with other councils in the UK.	Target: 39%		37.36%	
C2B Kerbside Recycling	Using the respective weekly council kerbside collections is an effective way to recycle. This indicator looks at this service alone.	Target: 24%		19.92%	
C2C Including Incinerator Bottom Ash (IBA)	<i>Despite displacing 'virgin' materials, the recycling of IBA into building blocks is not yet counted as 'recycling' by the Government. Nonetheless, re3 recognises the value of this activity.</i>	11%		7%	
C1E Contamination	<i>Contamination is the term used to describe items which are not supposed to be present within recyclables. The level of contamination is, therefore, an indicator of the effectiveness of waste collection arrangements. It also has an impact on recycling because at high levels of contamination it can become harder to separate 'good' recyclables from the unwanted items.</i>	Target	79.42%	Target	83.33%
		Non Target Paper and Card	2.68%	Non Target Paper and Card	0.60%
		Other Non-Target and Non-Recyclable Material	17.90%	Other Non-Target and Non-Recyclable Material	16.07%

Wokingham

Category	Background	Cumulative Performance			
		Target/Indicator		April and May	
C3A Statutory Recycling Target	This target is the traditional 'recycling rate' target that should be comparable with other councils in the UK.	Target: 52%		54.13%	
C3B Kerbside Recycling	Using the respective weekly council kerbside collections is an effective way to recycle. This indicator looks at this service alone.	Target: 26%		29.90%	
C3C Including Incinerator Bottom Ash (IBA)	<i>Despite displacing 'virgin' materials, the recycling of IBA into building blocks is not yet counted as 'recycling' by the Government. Nonetheless, re3 recognises the value of this activity.</i>	9%		6%	
C1E Contamination	Contamination is the term used to describe items which are not supposed to be present within recyclables. The level of contamination is, therefore, an indicator of the effectiveness of waste collection arrangements. It also has an impact on recycling because at high levels of contamination it can become harder to separate 'good' recyclables from the unwanted items.	Target	77.53%	Target	85.27%
		Non Target Paper and Card	11.79%	Non Target Paper and Card	4.82%
		Other Non-Target and Non-Recyclable Material	10.68%	Other Non-Target and Non-Recyclable Material	9.92%

Recycling Centres

Category	Cumulative Performance	
	Target (2019/20)	April and May
D Longshot Lane	Target: 60%	71.96%
D Smallmead	Target: 55%	73.76%

TO: JOINT WASTE DISPOSAL BOARD
4th July 2019

REPORT ON CLIMATE CHANGE
Report of the re3 Strategic Waste Manager

1 INTRODUCTION

1.1 The purpose of this report is to brief the re3 Joint Waste Disposal Board on work aimed at helping to reduce the impact on climate change from the treatment of waste within the re3 area.

2 RECOMMENDATION

2.1 That Members note the contents of this report.

3 ALTERNATIVE OPTIONS CONSIDERED

3.1 None for this report.

4 REASONS FOR RECOMMENDATION

4.1 The purpose of this report is to brief Members on steps to identify measures to reduce re3 contributions to climate change, through the delivery of waste services.

5 PROGRESS IN RELATION TO WASTE MANAGEMENT

Background

5.1 It is extremely likely that human activities are the dominant cause of Global Warming. Global Warming, or Climate Change, is leading to detected environmental impacts, such as¹:

- Warming of the lower atmosphere
- Increased CO2 levels causing acidification of the oceans
- Rising sea levels (since C19th global sea level has risen up to 20cm)
- Declining glaciers and sea ice (see Appendix 1 as an illustration)
- Slowing increases in crop productivity in some parts of the planet.

5.2 The Climate Change Act 2008 requires Government to reduce UK greenhouse gas emissions by 80% of the 1990 levels by 2050. It establishes a pathway for delivery of the 2050 target. Progress is monitored and informed by the evidence-based advice of the Committee on Climate Change (CCC), established in the Act.

5.3 The United Nations Framework Convention on Climate Change (UNFCCC) was established in 1992. Its aim is to '*achieve...stabilization of greenhouse concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system*'.

5.4 The UNFCCCs work led, in December 2015, to what is widely referred to as the Paris Agreement. The Paris Agreement pledges to manage the growth in average temperature to 'well below 2⁰c above pre-industrial levels and to pursue efforts to limit

¹ [The science and impacts of climate change - Committee on Climate Change](#)

warming to 1.5⁰c. The Paris Agreement is signed by 160 countries, including the US, China and the UK.

- 5.5 More recently, on May 2nd 2019, the Committee on Climate Change (CCC) published a report, 'Net Zero: The UK's contribution to stopping global warming²', which advocates a net zero greenhouse gas target for the UK for 2050.
- 5.6 The CCC report identifies that net-zero is necessary, feasible and cost-effective. A net-zero achievement would end the UK contribution to rising global temperatures.
- 5.7 On 12th June 2019, UK Prime Minister, Theresa May, announced³ that the UK will eradicate its net contribution to climate change by 2050. This will be underpinned by an amendment to the Climate Change Act 2008.
- 5.8 The re3 Strategy, adopted by each of the re3 Councils in 2018, highlights the increasing need to support decision-making with information on the carbon impact of activities, alongside established indicators such as cost and recycling rate. A similar principal is referenced in the UK Government 'Waste and Resources Strategy', published in December 2018.

re3 and Climate Change

- 5.9 It is important to recognise that the impacts of choices which result in the generation of waste, which is ultimately managed by re3, are far wider than those addressed by this outline proposal. For example, food waste consisting of produce grown or reared on another continent may:
 - Have been raised on, or at the expense of, important sources of vegetation.
 - Be transported long distances by air or sea, resulting in the burning of fuel.
 - Be hauled by road within the continent and UK, stored in refrigerated conditions, presented in carbon-based, single use, packaging, and displayed in supermarkets who may consume relatively high levels of energy.
 - Carry embodied water - in effect, importing water from areas which may have water shortages.
- 5.10 Those impacts are important because we know that: (i) deforestation can displace vegetation which would otherwise photosynthesise carbon dioxide, (ii) water shortages can exacerbate climate driven water scarcity, contribute to migration and political insecurity, and (iii) transport is a considerable source of atmospheric CO₂.
- 5.11 The re3 Partnership should support efforts to highlight environmentally sustainable purchasing and lifestyle choices by residents, the councils themselves and other local stakeholders (businesses, regional anchor institutions, contractors and suppliers). Such efforts should help to reduce wastage and could also support the local and national economy.
- 5.12 However, for the purposes of this initiative, it is proposed that the re3 Partnership should seek to reduce its impact from the point that waste is presented, either at the kerb, at the re3 facilities or via services such as street cleansing or fly-tip clearance. This choice is important and is proposed because it focuses efforts and available resources in those areas in which the council partnership can genuinely exert most agency.

² [Net-Zero-The-UKs-contribution-to-stopping-global-warming.pdf](#)

³ [PM-we-will-end-uk-contribution-to-climate-change-by-2050](#)

- 5.13 The graph at appendix 2 illustrates the relative emissions for waste management, based on UK Government estimates. It reflects only the impact from treating waste but provides an interesting baseline exercise. As may be predicted, landfill proves to be the greatest proportionate contributor of greenhouse gas.
- 5.14 Accordingly, officers from the re3 Partnership are engaging with expert advisors and colleagues to seek ways to achieve the following:
- 5.14.1 As accurately as practically possible, identify the greenhouse gas impacts of existing waste management treatments, policies and activities for the re3 partnership. This should include the treatment of waste and also the relative energy usage for the treatments.
 - 5.14.2 As accurately as practically possible, identify deliverable alternative treatments, policies, activities and/or mitigations to reduce (and ideally remove) the greenhouse gas impacts from existing waste management practices.
 - 5.14.3 Identify appropriate and effective messaging and practical measures that can be communicated internally, to Contractors and suppliers, and not least to re3 residents which helps reduce the contribution of re3 waste services to climate change.
- 5.15 Given the partnership wide consensus on the importance of this work, in the first instance, the re3 Project Team will seek to fund the costs of this work through the shared management budget. However, in the event that additional funding is required, Officers will liaise with the senior officers at each council (mindful of the fact that we are, at the same time, undertaking detailed work on essential contract savings).
- 5.16 If we're able to commission and complete the proposed work, it has the potential to be invaluable to the re3 Partnership in planning and delivering service changes in line with the environmental commitments of the individual councils and the aforementioned underpinning intentions of the re3 Strategy.
- 5.17 Supporting wider efforts to reduce and seek to eradicate the causes of climate change, from within the waste service area, should help to increase the reach and engagement that re3 enjoys with residents.
- 5.18 It will be critical that the respective Contractor's, FCC and the individual waste collection providers, contribute appropriately. As identified in the re3 Strategy, and subject to the measures ultimately proposed, there may be some resistance on commercial grounds. That being said, there is also some cause for optimism that measures proposed on grounds of climate impact should result in savings for all parties.

6 ADVICE RECEIVED FROM ADMINISTERING AUTHORITY

Head of Legal Services

6.1 None for this report.

Corporate Finance Business Partner

6.2 None for this report.

Equalities Impact Assessment

6.3 None.

Strategic Risk Management Issues

None

7 CONSULTATION

7.1 Principal Groups Consulted
Not applicable.

7.2 Method of Consultation

Not applicable.

7.3 Representations Received

Not applicable.

Background Papers

None

Contacts for further information

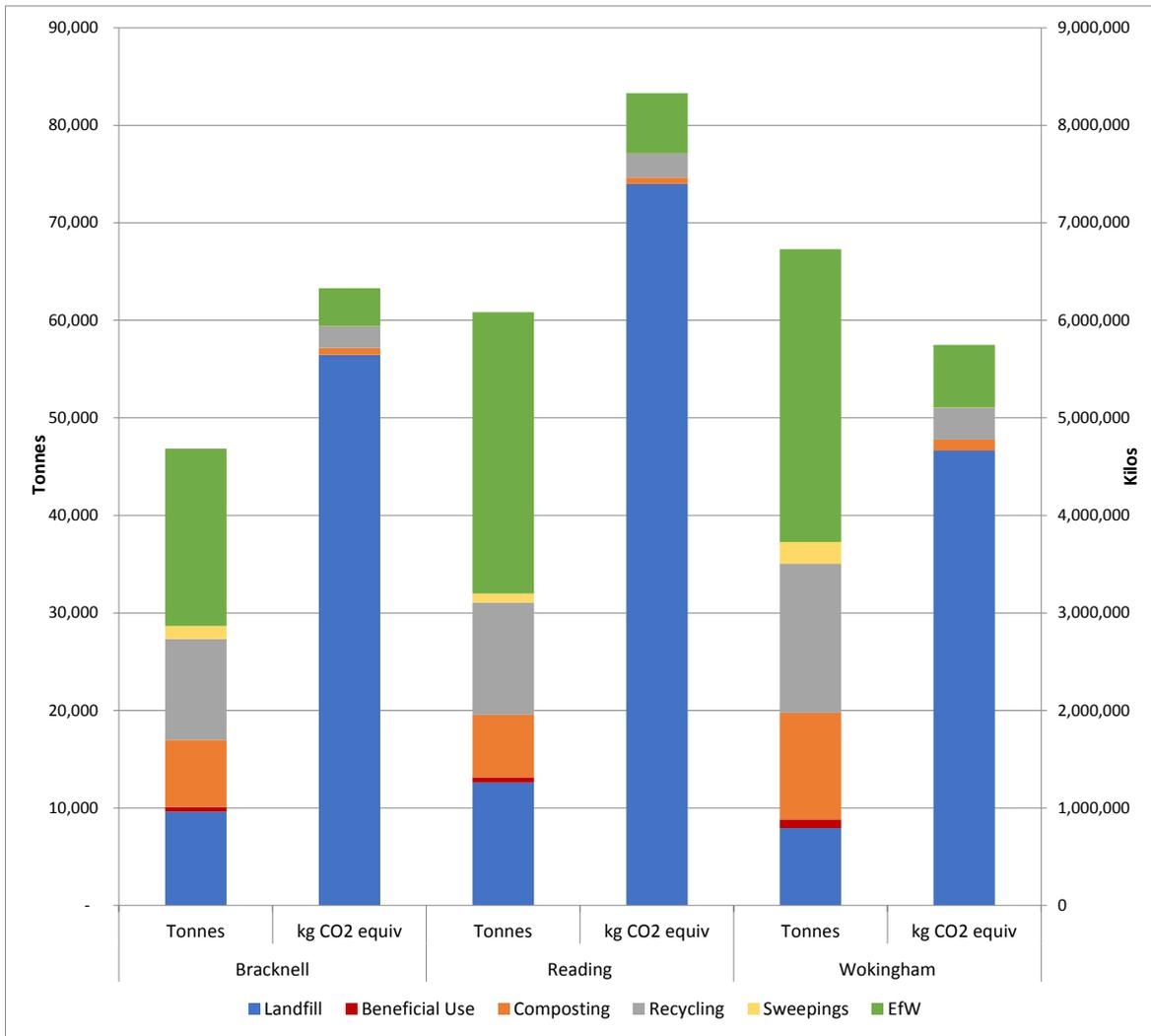
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Appendix 1 – Example of Decline in Arctic Ice.



Source: #schoolstrike4climate (Instagram)

Appendix 2 – Greenhouse Gas impact from waste management



Source: re3 Waste Data and UK Government Greenhouse Gas Conversion Factors for Company Reporting

The graph above is designed to illustrate the estimated relative contributions of greenhouse gas (GHG) emissions, represented here as an equivalent kilograms of CO2 (which is only one of the principal GHGs).

For each council the left-hand column relates to the left-hand axis and shows tonnage of waste treated via 6 principal categories, as shown in the legend at the bottom. The right-hand column, in each case, relates to the right-hand axis and shows the kilograms of GHG emitted as a result of the way waste is managed.

It is revealing to compare the relative scale of the individual sections between the tonnage (left) and GHG (right) columns for each council. While the shared re3 contract has enabled the councils to vastly reduce their reliance on landfill it is clear that landfill constitutes the majority of the GHG impacts directly attributable to waste management. In seeking to reduce the GHG impact of waste, landfill is an important area. It is also clear to see that recycling, composting and Energy from Waste (EfW) make a far smaller relative contribution. It is worth taking a cautious perspective on those activities, however, as they are (EfW and recycling) energy intensive treatment types – this is something we’ll look to take in to account in the further work described in this report.

By virtue of paragraph(s) 3 of Part 1 of Schedule 12A of the Local Government Act 1972.

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