



Building a Circular Economy



2020 highlights

Doubled plastics recycling capacity to

120kt

91%

plastic waste recycled in the UK

Achieved London Stock Exchange Green Economy Mark as

50%

of revenues support the green economy.



We are contributing to a sustainable future built around a circular economy; educating our customers, Government and the wider public to use materials responsibly and re-using as much as possible.

We are making significant investments in our recycling capabilities as well as collaborating in partnership with established, expert operators, to build the low carbon energy from waste (EfW) infrastructure that the UK needs to manage waste sustainably. We've also invested in surplus produce redistribution through the acquisition of Company Shop Group (CSG) enabling us to deliver a unique circular economy proposition for the UK.

We have now unlocked £1bn of the target of £1.25bn investment green economy infrastructure by 2030.



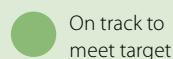
What is a circular economy?

"The circular economy offers opportunities for better growth, through an economic model that is resilient, distributed, diverse, and inclusive. It tackles the root causes of global challenges such as climate change, biodiversity loss, and pollution, creating an economy in which nothing becomes waste, and which is regenerative by design."⁴

Progress on commitments

Topic	FY21 data	2025 target	2030 target	Progress
Leading on waste plastics recycling	Doubled plastic recycling capacity to 120kt	Triple plastic recycling capability	Quadruple recycling capability	●
Investing in Energy from Waste	Construction underway for Newhurst, financial close reached on Protos	Completion of build and commissioning of two new low carbon EfWs	Both EfW plants optimised and complying with all environmental permits	●
Growing business waste recycling collections	300kt	Expand our low carbon collection business to collect 25% more business waste for recycling	Aim to collect 50% more business waste for recycling	●
Diverting general waste from landfill	60%	Inactive ⁵ waste increases to 80% of inputs to landfill	Inactive ⁵ waste increases to 90% of inputs to landfill	●
Recyclable commodities trading	91.4%	All waste plastics which Biffa trades from our sorting and transfer facilities to be recycled within the UK	All waste plastics which Biffa trades from our sorting and transfer facilities continue being recycled within UK with other commodities also recycled in UK subject to commercially viable UK end markets and infrastructure availability	●
Supporting customers on sustainable waste management	17 I&C corporate customers provided with advisory service	Provide all waste service customers with sustainable waste management advisory services including waste reduction and re-use	Provide all waste service customers with sustainable waste management advisory services including waste reduction and re-use	●

Progress level



On track to meet target



Target not on track as a result of Covid-19

4 Ellen MacArthur Foundation, Universal Circular Economy Goals 2021, Executive Summary page 6: <https://emf.thirdlight.com/link/kt00azuibf96-ot2800/@/preview/1?o>

5 Based on low-rate landfill tax definition

Building a Circular Economy continued

Actions for FY22:

- Continue to consolidate Biffa's leadership position in food grade, closed loop plastic recycling.
- Complete commissioning of Seaham and Washington recycling facilities.
- Continue to work with customers to help improve recyclability of their plastic packaging.
- Integrate commercial offering across waste, recycling, and redistribution.
- Continue construction of Newhurst and Protos EfWs to meet commissioning milestones.

Topic and descriptions:	Page
<p>1. Recycling</p> <p>The recycling activity of Biffa and its role in providing circular waste solutions, in particular for materials other than plastics.</p>	p34
<p>2. Plastics Recycling</p> <p>Activity of Biffa to accommodate plastic refuse in the UK, including production of new products from plastic waste.</p>	p35
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1.

Material Topic:

Recycling

Our recycling business comprises our leading Polymers plastics business and our Materials Recycling Facilities (MRFs).

Biffa's two Material Recycling Facilities (MRFs) process around 470,000 tonnes of dry mixed recyclable waste every year.

MRFs are essential in providing quality raw materials to the production industry, as they are designed to separate co-mingled recyclables into their individual material streams and prepare them for sale in the commodity markets, where they are then turned into new products and packaging. Our MRFs segregate, process and decontaminate single stream and mixed recyclable materials, including:

- Paper and cardboard recycling.
- Plastic bottles and containers.
- Aluminium and steel cans.

2.

Material Topic: Plastics Recycling

Biffa is a true pioneer in closed loop plastic recycling, turning waste plastic into food grade material that can be used as a substitute for virgin plastic, thereby playing an important role in reducing plastic pollution in the UK.

Biffa recycles:

- **Polyethylene terephthalate (PET)**, which is commonly used in plastic drinks bottles, homecare products like washing up bottles and cleaning sprays and in clothing.
- **Polypropylene (PP)**, which is commonly used for margarine tubs and microwaveable meal trays.
- **High-density polyethylene (HDPE)**, which is commonly used in milk bottles and for high-quality food grade packaging.

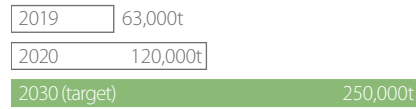
Our Polymers plastics business comprises:

- **Redcar** – accommodated the world’s first commercially available rHDPE food grade production plant in 2008, winning the Queen’s Award for Excellence in Innovation. The facility is designed to process 63,000 tonnes of material and creates, through its ground-breaking process, high-density polyethylene (HDPE) ‘pellets’ from recycled milk bottles. These pellets can be recycled into new milk bottles, which is a true closed loop solution.
- **Seaham** – Our £27.5m state-of-the-art PET plastic bottle recycling facility in Seaham, County Durham opened in January 2020. At Seaham, Biffa converts 57,000 tonnes of PET plastic every year into high-purity plastic pellets to be sold on to drinks makers and other manufacturers to be used for a range of applications, from food and beverage packaging to clothing. It has also created 70 new jobs in the area, bringing 11 individuals out of long-term unemployment.
- **Washington** – Our new £7m facility in Washington, County Durham will expand our recycling capabilities for plastic tubs and trays. Once operational, it will handle approximately 20,000 tonnes of plastic per year and create at least 30 new jobs. We have also invested an additional £13m into the facility to recycle a further 14,000 tonnes of HDPE, growing its total annual capacity to 39,000 tonnes – or 1.6 billion bottles a year.

In support of our investment into our Polymers business, we’ve also upgraded our Aldridge facility this year from a MRF into a plastics recycling facility (PRF) in order to provide an increased supply of feedstock into our Polymers business.

In May 2021, Biffa reached agreement to acquire a post-consumer PRF from Green Circle Polymers in Scotland. The acquisition of GCP will strengthen Biffa’s Polymers business with increased capacity to recycle more plastic within the UK.

Our goal is to quadruple plastics recycling by 2030



The plastics debate

Plastics are at the centre of the sustainable waste management debate due to the growth and prevalence of plastic packaging resulting from growth in global trade, online retail and

‘on-the-go’ consumption of food and drink. Public awareness and interest in issues such as ocean plastics and single-use plastics has scaled new heights, fuelled by a global desire to tackle climate change.

The UK Government is beginning to reflect public concerns, with an increased focus on tackling waste at source. The 25-year Environment Plan, published in January 2018 and England’s Resources and Waste Strategy (RWS) published in December 2018, reflects rising interest in the circular economy and green consumerism, as do subsequent consultations on key proposals, in which Biffa has been actively involved.



Biffa and Nestlé Waters

Biffa is working with our customer, Nestlé Waters UK, to help the company achieve its commitment of making every BUXTON® bottle from 100% recycled PET, by collecting recyclable PET bottles and reprocessing them here in the UK into rPET.

The partnership will enable Nestlé Waters UK to significantly reduce the amount of virgin plastic in circulation and lead the shift to using

high-quality food grade rPET in the UK, which today is sourced from Europe. Plastic is a lightweight, durable and low energy-intensity packaging material that when recycled properly can play a sustainable role in modern life, helping to shape a waste-free, lower carbon future. Together, Nestlé Waters and Biffa will ultimately offer a more sustainable choice for consumers of natural source waters and encourage the UK to recycle more.



We need to ensure plastic is used appropriately, re-used, recycled and prevented from harming the environment where its durability causes problems. This approach is supported by policy makers and the UN SDG's.

Recycling plastics in the UK

Key to the Government's RWS is the ambition to process more waste at home – something that Biffa is highly supportive of. We can, and should, aim to recycle all plastics within the UK, optimising the material as a resource, generating UK investment jobs and boosting the circular economy.

In response to public pressure and ahead of the Government's policies and regulations coming into effect over the next few years, big-name retailers and manufacturers have initiated changes to improve the recyclability of their plastic packaging and (with Biffa's help) are looking to do this within the UK.

Management approach

There is regulatory and public concern on sustainability issues, and the need to be less wasteful as a society. There are some challenges to overcome, including confusion over labelling, sorting and collection processes that are preventing UK households and businesses from turning waste into vital raw materials for our economy. Careful management of these issues has been part of our approach for many years, and we continually work to map out relevant recommendations for change, but also recognise the need for transparency in this area.

Biffa's Resources & Energy (R&E) division is responsible for the management of our recycling and plastics recycling facilities.

Sustainability targets:

Plastics recycling capacity

- 2025: Triple plastic recycling capability
- 2030: Quadruple plastic recycling capability

Recycling plastics in the UK

- 2025: All waste plastics which Biffa trades from our sorting and transfer facilities to be recycled within UK.
- 2030: All waste plastics which Biffa trades from our sorting and transfer facilities continue being recycled within UK with other commodities also recycled in UK subject to commercially viable UK end markets and infrastructure availability.

Increase recycling collections

- 2025: Expand our low carbon collection business to collect 25% more business waste for recycling.
- 2030: Expand our low carbon collection business to collect 50% more business waste for recycling.

SDG alignment:



GRI indicator:

GRI 201: Economic Performance
 GRI 203: Indirect Economic Impacts
 GRI 413: Local Communities
www.biffa.co.uk/-/media/files/sustainability/biffa-plc-gri-content-index-fy21.ashx

3.

Material Topic:

Bioplastic Packaging (includes Biodegradable Packaging)

At Biffa, we understand that packaging for businesses, though necessary, can be challenging, complicated and confusing when it comes to recyclability and how to reduce waste.

A key service we offer our customers is our 'Packaging Surgery', where we tackle the common recycling issues our customers face.

One of the important areas within this is 'Bioplastics' - i.e. plastics that are biobased, compostable or biodegrade by bacteria, fungi or microbes in the ground. We advise on what compostable, biodegradable, and biobased materials should or should not be used to facilitate their most sustainable route for disposal.

Biffa agrees with the Recycling Association and with many major retailers, environmental groups and the UK Government that materials, such as Bioplastics, need thorough consideration, caution and control. Switching from a widely recycled conventional plastic to a single-use, non-recyclable bioplastic that could be harmful, instead of helpful to the environment is not always the most sustainable solution.

To support our customers in their assessment of Bioplastic packaging, we have developed the following criteria:

1. Evaluate each example of Bioplastic explaining its typical end of life

- Bioplastic is a very generic term, given the different types of plant-based plastics available and their propensity to react differently in various environments.
- This, along with the inability to distinguish Bioplastic from oil-based formats, the lack of a nationally agreed standard for composting and the absence of any mandatory labelling, causes confusion for businesses and customers alike.
- There is the added risk that allowing Bioplastics into traditional organic recycling processes, could cause cross-contamination by unintentionally inviting other conventional plastics.

2. Explain the various accreditations and labelling that are used on packaging

- There are many marks and accreditations currently being printed on packaging, each example needing to be explained and/or debunked accordingly.
- Any claims offered on the various properties of a Bioplastic in non-industrial settings are being made in the absence of a UK recognised accreditation, with nothing in place for so-called compostable packaging (including paper) within anaerobic digestion (AD) facilities, land or in the marine environment.
- Whilst many of these claims are made in good faith, we should take every opportunity to remind people of this, to avoid any dishonest or unintentional greenwashing.

3. Risk rate the opportunities for waste management in the real world

- All rigid and flexible materials that in theory can compost or biodegrade carry their own inherent risks and opportunities.
- The risk of cross-contamination of materials in MRFs will be problematic, given the challenge to differentiate between oil or plant-based formats.
- However, there may be solutions to this in certain environments, e.g. where natural degradation occurs quickly.

4. The waste hierarchy and where Bioplastics sit in the context of the RWS in England

- A key factor in the growth of Bioplastics is to understand where they sit within the waste hierarchy as infrastructure develops. Green campaign groups and NGOs have similar concerns to us and welcome the positive impact of a plastic tax in prioritising recycling over composting.
- If a Bioplastic has carbon neutral and low fossil intensive characteristics, there might be a compelling case to use it.

5. An International perspective on the use of Bioplastics

- We should contrast UK waste management with other nations, given that offshore infrastructures can be very different – some more advanced like in northern Europe and many more in urgent need of investment.
- We should question the efficacy of certain types of packaging in a developed country, with long-established collection systems vs those of developing countries, where the same solution might be a major source of pollution.
- Demonstrating a global perspective on Bioplastics will be important for the international brands and retailers Biffa works with.

Management approach

It is Biffa’s objective to take part in debates regarding Bioplastics as often as possible, in order to influence their development and explore new business opportunities. Sustainable packaging and plastics recycling is managed by Biffa’s R&E division and we have a dedicated Waste Strategy and Packaging Manager, who is responsible for providing both the business and our customers with expertise and insight into emerging opportunities, including supply chain audits and procurement strategies, to maximise circular economy solutions.

Sustainability targets:

Sustainable waste management advisory services

- 2025: Provide all waste service customers with sustainable waste management advisory services including waste reduction and re-use options.
- 2030: Retain sustainable waste management advisory services to all waste service customers including waste reduction and re-use options.

SDG alignment:



GRI indicator:

GRI 203: Indirect Economic Impacts
www.biffa.co.uk/-/media/files/sustainability/biffa-plc-gri-content-index-fy21.ashx

Our aim is to reduce the use of all packaging, making everything else that a business needs, widely recyclable and environmentally friendly. This will help customers operate their businesses in a more sustainable fashion, to enable a circular economy.

Building a Circular Economy continued

4.

Material Topic:

Food Waste

According to WRAP, the UK generates around 9.5 million tonnes of food waste per year,⁶ with the food production sector accounting for just under half of this.

Much of this food waste is currently sent to landfill sites where it is slowly broken down into methane and carbon dioxide, which are both potent greenhouse gases.

One alternative to this is anaerobic digestion (AD), where waste food matter is converted into biogas (a form of renewable energy).

What is anaerobic digestion?

AD is the breakdown of organic matter in the absence of oxygen by micro-organisms called methanogens. The process of AD provides a source of renewable energy, as the waste breaks down into biogas (a mixture of methane and carbon dioxide).

Pioneering waste reduction

Biffa actively promotes waste reduction. Through our work with commercial customers, we help them to reduce waste, identify opportunities for re-use and ensure that recycling opportunities are maximised.

Our acquisition of Company Shop Group establishes us as the leading enabler in the UK circular economy, with genuine alignment to our customers' objectives to reduce waste.

Management approach

Biffa operates a number of food waste treatment facilities in the UK, recycling or reusing up to 315,000 tonnes of food waste per year. We currently have three AD facilities, located in Leicestershire, Staffordshire, and West Sussex which form part of our R&E division.

Biffa's Anaerobic Digestion (AD) facilities can process up to 315Kt of food waste per year and operate 24/7.

A by-product of the AD process is bio-fertiliser (the digestate from the process), which is rich in nutrients such as nitrogen, potassium and other elements required for healthy plant growth and fertile soil. Biffa supplies bio-fertiliser for agricultural land where it meets the PAS 110⁷ standard

SDG alignment:



GRI indicator:

GRI 203: Indirect Economic
www.biffa.co.uk/-/media/files/sustainability/biffa-plc-gri-content-index-fy21.ashx



The UK's leading waste redistributor

In February 2021, Biffa acquired Company Shop Group (CSG) – the UK's leading and largest redistributor of surplus food and household products to help unlock circular economy innovation.

Biffa's leading expertise in waste management and recycling, coupled with CSG's unrivalled capabilities in redistributing surplus produce, will deliver a unique circular economy proposition for the food manufacturing, retail and fast-moving consumer goods (FMCG) e-commerce sectors.

Preventing waste by identifying surplus

Through a business model which puts environmental and social purpose at its heart, CSG prevents waste by identifying surplus products and then collecting, processing and redistributing it for sale through its unique network of membership-based outlets, whilst ensuring compliance with stringent food safety standards.

Surplus products include:

- Production overruns.
- Trial products.
- Produce that has been incorrectly labelled or packaged, which without intervention would be destined to become waste.

The membership base of CSG stores comprises employees working in the FMCG supply chain, and 'key workers' such as those in healthcare and the emergency services who can buy surplus products at material discounts to retail prices.

Award-winning social enterprise

CSG also operates an award-winning social enterprise, Community Shop, a not-for-profit community interest company with a network of six community hubs supporting some of the most deprived areas of the UK. Supported by donations from supplier partners, Community Shop provides its members with vital access to deeply discounted food, as well as life-changing learning and development programmes.

⁶ Source: WRAP: <https://wrap.org.uk/taking-action/food-drink/actions/action-on-food-waste>

⁷ 'PAS 110' was developed by WRAP to help create a market for the use of anaerobic digestate as a renewable fertiliser. Source: WRAP: BSI PAS 110: Producing Quality Anaerobic Digestate | WRAP

5.

Material Topic: Energy from Waste

Our commitment to waste reduction and recycling should be in no doubt. We do however recognise that we are still many years away from realising the long-term vision for all waste to be recycled, and in the meantime it is clear to us that energy recovery will play a vital role in tackling this waste challenge.

What is energy from waste?

“Energy from waste is about taking waste and turning it into a useable form of energy. This can include electricity, heat and transport fuels (e.g. diesel). This can be done in a range of ways. Incineration is the most well-known.”⁸

Biffa is the largest supplier of refuse derived fuels into EfW facilities in the UK. Each year, we divert around 500,000 tonnes of our customers’ waste, which cannot be recycled, away from landfill, helping to provide low carbon energy for the UK grid.

Investing in UK energy from waste infrastructure

As the UK’s largest waste collector, having access to domestic, low carbon energy recovery is essential. Currently methane emissions from our landfill sites contribute c.75% of our carbon footprint and is a potent greenhouse gas, some 25⁹ times more potent than carbon dioxide. In order to reduce the waste inputs to landfill, we need a suitable alternative and EfW technology is what currently meets the UK’s needs.



We’ve got the power

In the last 18 months, Biffa has invested in two energy from waste (EfW) facilities – Newhurst in Leicestershire and Protos in Cheshire.

The two facilities, which have a combined capacity of 750,000 tonnes per year, support the Government’s drive to both reduce reliance on landfill and treat more non-recyclable waste at home, decreasing the UK’s dependence on export.

Newhurst

- We started construction at Newhurst in June 2020 following financial close in February 2020.
- Biffa has a 50% equity stake in the project and is investing c.£40m over a three-year period.
- We will supply 70% of the feedstock into the facility, which will be operated by our joint venture partner Covanta.

Protos

- Our second EfW project, Protos, in which Biffa has a 25% equity stake, reached financial close in December 2020.
- Biffa is investing c.£40m over a three-year period into the project, and will supply 60% of the feedstock, further underpinning offtake for our I&C business. This facility will also be operated by Covanta.

Construction is underway for both projects and the state-of-the-art facilities are expected to be completed during 2023 for Newhurst and 2024 for Protos.

Biffa’s (AD) facilities can process up to 315kt of food waste per year and generate up to 12MW per hour of renewable energy.

The new facilities will contribute 90MW of renewable and low carbon energy to the UK’s electricity grid, enough to power approximately 170,000 homes.

8 Source Defra: Energy from Waste, A guide to the debate: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/284612/pb14130-energy-waste-201402.pdf

9 Source: UK Government Greenhouse gas reporting: conversion factors 2020 – GOV.UK (www.gov.uk)

Building a Circular Economy continued

Management approach

Biffa's two EfW facilities are managed through a joint venture with Covanta Holding Corporation and Macquarie's Green Investment Group (GIG). Biffa, the primary waste supplier for the facilities, has a 50% equity stake in Newhurst and a 25% equity stake in Protos. Covanta will operate the facilities under a long-term operations and maintenance agreement.

Biffa's portion of the EfW facilities will be managed through our R&E division.

Sustainability targets:

Energy from waste facilities

- 2025: Completion of build and commissioning of two new low carbon energy from waste plants.
- 2030: Both low carbon energy from waste plants optimised and complying with all environmental permits.

SDG alignment:



GRI indicators:

GRI 201: Economic Performance
www.biffa.co.uk/-/media/files/sustainability/biffa-plc-gri-content-index-fy21.ashx

GRI 203: Indirect Economic Impacts
www.biffa.co.uk/-/media/files/sustainability/biffa-plc-gri-content-index-fy21.ashx

6.

Material Topic:

Consumer Behaviour

The Covid-19 pandemic has brought about rapid change, particularly in how consumers behave. McKinsey reports that new consumer behaviours have formed which "span all areas of life" and "these rapid shifts have important implications for retailers and consumer-packaged-goods companies"¹⁰

Where Biffa sees consumer behaviours driving change:

- Call for companies to produce fully recyclable products in support of a circular economy and to produce less waste.
- Consumers to recycle more at home, with the increase in 'home shopping' maintaining momentum.
- Demand for clearer labelling on packaging to understand recyclability of products.

Biffa is recognising this shift in behaviour and we're supporting our customers to make their products more recyclable.

10 Source: McKinsey: https://www.mckinsey.com/~/_media/mckinsey/industries/retail/our%20insights/how%20covid%2019%20is%20changing%20consumer%20behavior%20now%20and%20forever/how-covid-19-is-changing-consumer-behavior-now-and-forever.pdf



Increasing recyclability of Ribena bottles

Biffa is supporting Suntory Beverage and Food GB and Ireland in developing a new, more sustainable design of its classic 500ml Ribena bottle, which will mean it becomes much easier to recycle. By changing the size of the label on the bottle

significantly, so that it covers less than 40% of the bottle, the 100% rPET plastic is better exposed for sorting devices at recycling plants to be easily able to detect.

Smart and sustainable plastics

As well as supporting our customers, Biffa is working directly with industry and research institutions to collaborate on smart and sustainable plastic packaging.

In 2020, we joined 'One bin to rule them all' a collaborative venture led by The University of Manchester and funded by the UK Government, which aims to establish a portfolio of academic-led research and development to address known problems and knowledge gaps in relation to plastic packaging.

We also joined the On-Pack Recycling Label (OPRL) scheme to apply our experience and expertise in recycling and waste management and to advise other OPRL members on the development of sustainable packaging. OPRL's research to date demonstrates that most people recycle in order to do the right thing and protect the planet. It suggests that "information on packaging is the most effective way to guide consumers on how to recycle"¹¹ and that "like road signs, recycling labels need to be consistent and unequivocal"¹².

OPRL labels have also been given the highest rating of global best practice by the UN Environment Programme and Consumers International.



Breaking down barriers in recycling

Biffa is using its expertise to advise its customers on how to develop and initiate innovative projects that increase recycling and help to prevent contamination of valuable recyclable materials.

In 2020, Biffa joined an initiative with the North London Waste Authority to support the boroughs of Camden, Hackney, Haringey and Waltham Forest, which have recently been successful in securing extra funding from North London's 'Borough Recycling Fund' to do just this. Highlights include:

■ Improved signage on recycling bin lids in Camden

Camden will test ideas including new lids on recycling bins, which stop the discarding of large bags of non-recyclable waste; improved signage about what can and cannot be recycled and how to dispose of bulky waste.

■ Recycling re-education in Hackney

Hackney's award will support the council's investment in new recycling bins with reverse lids by reinforcing their correct use about what can and cannot be recycled. Hackney will also promote its food recycling service to reduce food waste as a contaminant in dry mixed recycling.

■ Digital campaign providing accessibility and inclusivity in Haringey

Haringey will trial a digital campaign focusing on what can and cannot go into mixed recycling bins, and will relay a strong message that recyclables need to be clean and empty. Haringey will also translate messages into the six languages most spoken amongst households in the Borough, where English is a second language.

■ Training recycling champions in Waltham Forest

Waltham Forest's project will focus on training faith and community leaders to become recycling champions, who will then be able to communicate to their congregations and community about the importance of recycling and the best ways to recycle effectively.

11 Source OPRL: What consumers want, page 4

12 Source OPRL: What consumers want, page 5

Building a Circular Economy continued

Latest Resources and Waste Strategy (RWS) update¹³

In March 2021, the Government announced that it will seek further input from business on its RWS, which will focus on key measures such as the 'Extended Producer Responsibility' scheme, which sets out plans for manufacturers to pay the full cost of dealing with their packaging once it has been used. We believe this would encourage waste producers to rethink packaging design in order to introduce more refillable and reusable formats and help to ensure that products which go in the bin are widely recyclable to begin with.

The talks will also include the possible introduction of a Deposit Return Scheme (DRS) which could be successful in reducing 'on-the-go waste', but the system would need to be easy both to use and access.

Additionally, within our Municipal business, we are working with local authorities to increase recycling rates, where there is a huge focus both at a local and national level.

In 2021, Biffa announced an £8m three-year contract extension with the City of Edinburgh, to help Scotland's capital recycle more.

The partnership will see Biffa using our knowledge and expertise in recycling to support the City of Edinburgh achieve its target of a 78% recycling rate. The most crucial way we plan to do this is to help Edinburgh to reduce contamination in kerbside recycling bins throughout the city.

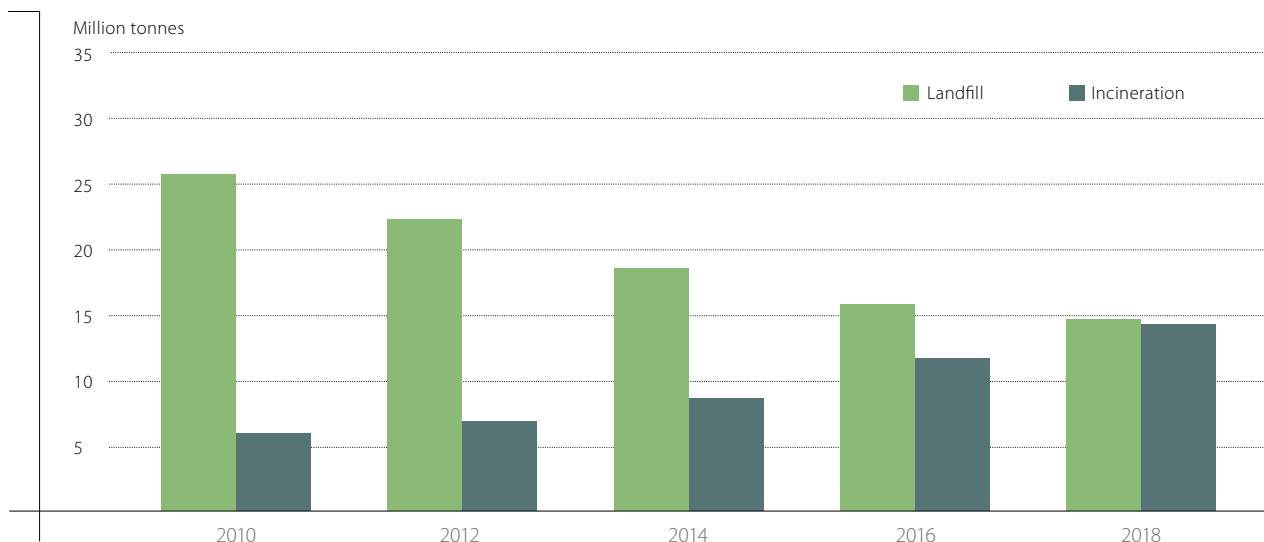
We've also seen a significant increase in our Green Waste Club membership this year by around 15%. This growth has been driven by more people working from home and the reduction in household waste recycling centre availability during the pandemic. The Green Waste Club is a subscription-based club providing the customer with a wheeled bin that is collected fortnightly from the edge of their property. Working in partnership with the local authority, Biffa transports the garden waste to a local facility where it is composted. (www.greenwasteclub.co.uk)

Management approach

Consumer behaviour in regard to sustainable packaging and plastics recycling is managed by Biffa's R&E division. Biffa has a dedicated Waste Strategy and Packaging Manager, who is responsible for providing both the business and our customers with expertise and insight into changing behaviours and how collectively we should respond to the increased demand for sustainable packaging solutions. This also includes supply chain audits and procurement strategies. Household recycling is managed through Biffa's Municipal business, which forms part of our Collections division.

WP5. Residual waste

Total waste (excluding major mineral wastes) landfilled or incinerated, England 2010 to 2018 inclusive, million tonnes (WP5a)



Source: DEFRA Resources and Waste Strategy, p 44: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/907029/resources-and-waste-strategy-monitoring-progress.pdf

¹³ Source: UK Government: Our waste, our resources: a strategy for England (publishing.service.gov.uk)



**Mechanical
Biological
Treatment Facility,
West Sussex**

Sustainability targets:

Sustainable waste management advisory services

- 2025: Provide all waste service customers with sustainable waste management advisory services including waste reduction and re-use options.
- 2030: Retain sustainable waste management advisory services to all waste service customers including waste reduction and re-use options

Increase recycling collections

- 2025: Expand our low carbon collection business to collect 25% more business waste for recycling.
- 2030: Expand our low carbon collection business to collect 50% more business waste for recycling.

SDG alignment:



GRI indicator:

GRI 203: Indirect Economic Impacts
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Reducing the climate change impact of landfill

Disposal to landfill is declining, primarily because resources are being kept in use for longer.

However, landfill retains a vital role in modern day waste management:

- It is necessary for some specialist and inert-type waste (e.g. concrete, sand which cannot be recycled or incinerated).
- Inert-type waste is inactive and will not decompose.
- It helps bridge the current UK capacity gaps.
- It provides a contingency disposal route during waste treatment plant downtimes.

Over the last decade waste sent to landfill has reduced significantly, which is demonstrated in the chart on the previous page.

Since 2005, Biffa has developed more recycling and recovery capability to move the management of waste further up the waste hierarchy. The amount of customer waste we dispose of to landfill has reduced by 65%.