

Appendix A – Review of JMWMS Vision and Objectives

The LWP's Joint Municipal Waste Management Strategy (JMWMS), adopted in January 2019, sets out a strategic vision which is still relevant to our services both today and going forwards:

To seek the best environmental option to provide innovative, customer-friendly waste management solutions that give value for money to Lincolnshire.

The 2019 JMWMS also set out ten strategic objectives and, in light of ever-changing circumstances, those objectives are regularly reviewed. This is particularly important this year because of:

- Covid impacts – Whilst some things have returned to pre-covid levels, we are seeing what may be a “new normal” with differences in the type and quantity of waste we receive, and where and how we receive it, and
- Emerging national policies – The UK government are introducing major changes which will affect what waste we receive and how we are required to handle it.

Some of our 2019 objectives are either completed or are well on the way. For example:

- To improve the quality and therefore commercial value of our recycling stream.
 - Our twin-stream collections, where they have already rolled out, have resulted in a significant improvement in quality.
- To find the most appropriate ways to measure our environmental performance, and set appropriate targets.
 - We have set our own measures and targets, and are looking to add carbon emissions to the list.

Others have been superseded by new national policies. For example:

- To move towards a common set of recycling materials.
 - Although we have done this, we await the government's announcement of a new national list.
- To consider the introduction of separate food waste collections where technically, environmentally and economically practicable.
 - Food waste collections are likely to become mandatory in the next few years although the details, including start date, are yet to be confirmed.

In light of all this, officers are recommending to the LWP that we undertake a full review of the JMWMS to include:

1. How services need to change to most effectively reflect the new national policies,
2. What ambitions we have above and beyond what's required of us by those national policies – e.g. waste minimisation and reuse initiatives, and
3. Whether a completely new JMWMS is needed in order to properly achieve this.

Appendix B – Progress against the Vision and Objectives through the delivery of the Joint Municipal Waste Management Strategy (JMWMS) Action Plan

This section summarises how the work undertaken by the Partnership reflects the vision and objectives set out in our Waste Strategy for Lincolnshire.

To achieve the objectives of the Strategy, the projects sit under 4 main project streams:

- A. Operational Improvements and Projects
- B. Communication, Education and Engagement
- C. Assets and Infrastructure
- D. Performance and Governance

This section details the progress against those actions plus additional activities undertaken by the partnership over the past year. It also describes how our Key Performance Indicators (KPIs) will be used to measure our progress towards achieving those defined goals.

A. OPERATIONAL IMPROVEMENTS AND PROJECTS

Improving the quality of the mixed dry recycling in Lincolnshire **(contributing to achieving JMWMS objectives 1, 2, 5, 7, 8 and 10)**

The Mixed Dry Recycling (MDR) mix is consistent across each of the Waste Collection Authorities (WCAs). Our internal sampling station is now well established and we are able to use the live data produced in real time to understand the waste composition of the MDR and to target communications and engagement to residents in order to improve quality. Over the last 12 months we have established a dedicated sampling station at one of the Waste Transfer Stations in the This information has allowed us to design and deliver targeted and relevant. Linking this to the twin stream implementation (see below) results show that contamination in the MDR has significantly improved.



All waste communications are now branded using the national Let's Recycling branding and incorporating the 'Lincolnshire recycles' marque across all partners. We have continued to work with the Lincolnshire Residents Recycling panel which was established in 2020 to enhance our communications and continue to focus on the "#RightThingRightBin" message.

Various methods of engagement and communication continue to be developed and coordinated across the county with monitoring to assess their effectiveness and impact.

We continue to capture recycling rates and report these (see the "Measuring Performance" section of this report) and the impact of education, engagement and communications will continue to be measured and reported on across future years.

Twin Stream Recycling Implementation **(contributing to achieving JMWMS objectives 1, 2, 4, 5, 8 and 10)**

The implementation of this initiative continues across the county with three WCAs now collecting paper and cardboard separately from the remainder of the Mixed Dry Recycling along with focussing on improving the quality of the mixed dry recycling (linked to the action above).

The dedicated Performance & Improvement continue to engage directly with the public, both in a reactive and a proactive manner to help educate and engage with the residents of Lincolnshire to meet the focus of the Waste hierarchy to Reduce, Reuse and Recycle waste more efficiently.

Boston BC were the first to implement the separate collections of Paper & Cardboard district-wide and concentrate efforts to improve the quality of the remaining mixed dry recycling in Spring 2021 and will be followed by North Kesteven DC in Autumn of the same year and West Lindsey District Council in March 2022. The other WCAs will follow at approximately 6 month intervals. This allows the changes to be embedded in each area.

Common Set of Recycling Materials

(contributing to achieving JMWMS objectives 1, 2, 4, 5)

Two half yearly reviews of the recycling materials have been undertaken to ensure that the consistency of items recyclable across the districts is maintained. Each WCA now publish on their websites a consistent set of wording and direction informing residents of the correct disposal route for their waste.

Reduction of Fly-tipping

The Lincolnshire Environmental Crime Partnership tackles fly-tipping across Lincolnshire. This multi-agency panel consists of representatives from organisations including:

- The eight councils of the LWP,
- North Lincolnshire and North East Lincolnshire Councils,
- Lincolnshire Police,
- The Environment Agency,
- The National Farmers Union, and
- Other key stakeholders.

Working together, this group continues to understand overall picture better through the sharing of intelligence and data. The ECP has developed a strategic approach to ensure that waste criminals are not able to slip through the cracks between the areas our individual responsibilities, or simply to move from one area to another.

B. COMMUNICATION, EDUCATION AND ENGAGEMENT

Communications plan

The LWP partners Communications Officers regularly meet to develop and deliver a consistent set of communications. We have been working hard to ensure that we use consistent branding and messages county-wide to promote the same message to our residents. Some of the successful projects we have worked on, and continue to deliver include:

- Twin stream recycling messages
- Reducing MDR contamination – Right Thing Right Bin
- SCRAP campaign /flytipping
- Usage of the Household Waste Recycling Centres
- Waste Wednesday videos based on an agreed initiative each month

Using other communications networks

We will also look to engage with other groups who may be able to help spread our messages. This may include Parish Councils (via the Lincolnshire Association of Local Councils, LALC), schools and other organisations.

C. ASSETS AND INFRASTRUCTURE

Review of HWRCs

Following reviews of the capacity and suitability of the HWRCs across the county a new HWRC has now been approved at Tattershall. This will replace the existing facility at Kirkby-on-Bain will open in July 2022.

Review of future disposal and treatment facilities

The upcoming Environment Bill, coupled with the outcomes from the Food Waste collection in South Kesteven have directed us to look at the future needs for disposal in the county, not only of food waste but also to understand the impact on the remaining waste streams. With this now become a more pressing initiative, work has begun to understand the impacts for both the WDA and WCA and projects to scope the options and feasibility continue and will form an important part of the future plan for the partnership.

D. PERFORMANCE AND GOVERNANCE

Managing performance to measure environmental impacts (contributing to achieving JMWMS objectives 4, 6 and 7)

In order to ensure delivery of both our strategic objectives and our ongoing waste services, the strategy requires that we measure performance by means of a suite of key performance indicators that demonstrate the effectiveness of the strategy and its actions in delivering Waste Services in Lincolnshire.

Full progress to date is reported in the Measuring Performance section of this report.

Review of the JMWMS Objectives

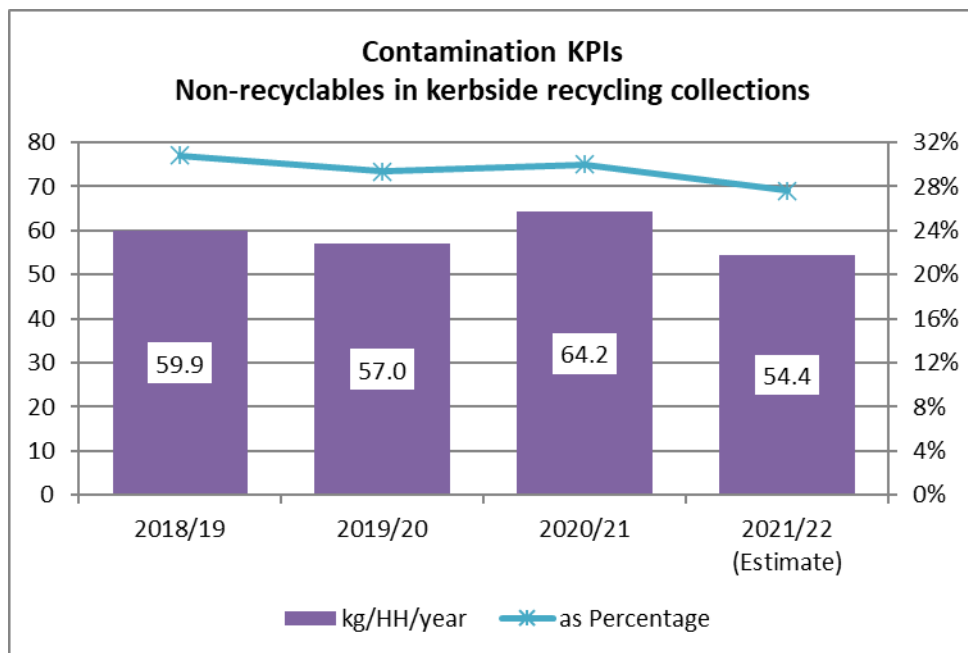
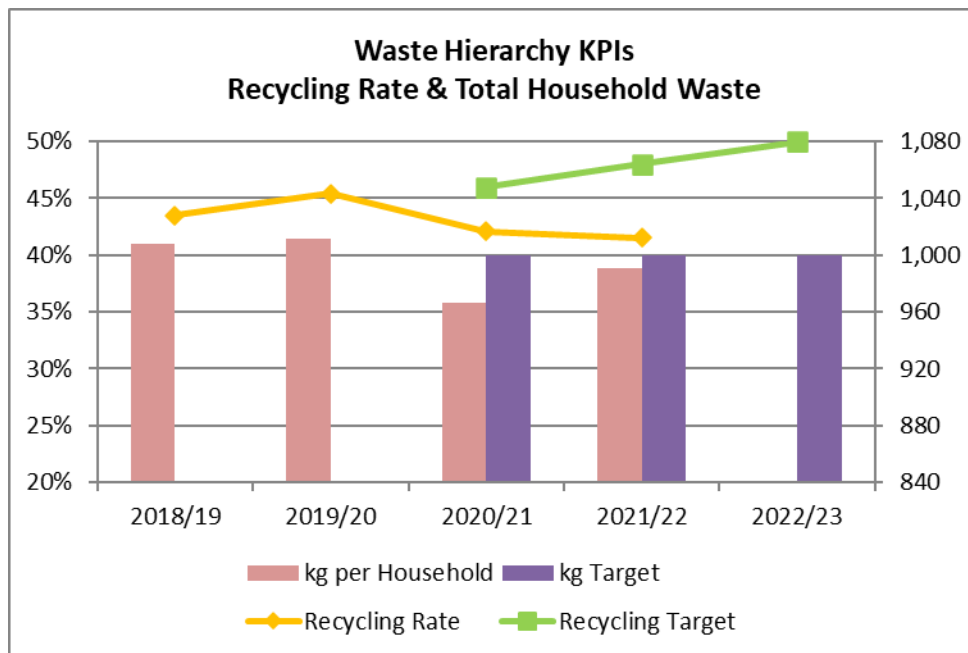
A review of the objectives outline in the JMWMS has been undertaken to ensure that these remain relevant and will deliver the outcomes that were defined in the strategy.

Appendix C – Measuring Performance

Performance Summary (See the below text for further details).

Performance against agreed Key Performance Indicators (KPI)

	Previous Performance			Current Year (2021/22)				Future Targets 2022/23
	2018/19	2019/20	2020/21	Actual (Estimate)	Target	On Target?	Direction of Travel	
Recycling Rate (%)	43.5%	45.4%	42.1%	41.5%	48%	Worse (below)	Worse (falling)	50.0%
Total Household Waste (kg per household)	1,008	1,012	967	991	1,000	Better (below)	Worse (rising)	1,000
Recyclables Contamination (%)	30.8%	29.4%	30.0%	27.6%	n/a (targets tbc)	n/a (targets tbc)	Better (falling)	n/a (targets tbc)
Recyclables Contamination (kg per household)	59.9	57.0	64.2	54.4	n/a (targets tbc)	n/a (targets tbc)	Better (falling)	n/a (targets tbc)



Development of Key Performance Indicators (KPIs)

The Partnership have identified, as Strategic Objective 6, the need to find a better way to measure environmental performance, and this is also a key strand in the government's Resources and Waste Strategy (RAWS).

In line with the Strategy Vision and Objectives, the Partnership have agreed to develop a suite of Key Performance Indicators (KPIs) which measure our performance in the following themes:

1. Waste Hierarchy – The extent to which we've handled waste higher up the hierarchy.
2. Contamination – Measuring progress in reducing non-recyclables in our kerbside collections of recyclables.
3. Carbon – In line with our objective to reduce our carbon footprint.
4. Customer-friendly – Measured by how satisfied customers are with our services.

Theme 1 – Waste Hierarchy

The LWP have agreed two measures relating to how we comply with the "Waste Hierarchy".

Recycling rate of "waste from households"	
Related JMWMS Objective:	Objective 5 – To contribute to the UK recycling targets of 50% by 2020 and 55% by 2025.
Details:	Uses the same definition as that used for the national recycling rate, and includes recycling, reuse and composting from all sources, not just kerbside collections.
2021/22 Performance:	Actual: 41.5% (42.1% in 2020/21) Target: 48% (higher is better)
Commentary:	Despite removing covid-related restrictions, we continue to see (compared to pre-covid) lower throughput and less recycling at our HWRCs. At the same time, kerbside residual waste has increased. Although the direction of travel is back towards pre-covid levels, we may be seeing a "new normal". Since we are starting from this lower baseline, the LWP are being asked to consider setting future targets to grow from where we are now to 50% in 2025/26.
Our plans:	We are seeking to increase our recycling rate through: <ul style="list-style-type: none"> • Consistent communications including our 'Right Thing, Right Bin' campaign. • Rolling out separate collections of paper and card to produce cleaner material which is easier to recycle. • Introducing separate collections of food waste in line with emerging national policy.

Household Waste Collection (kilograms per household)	
Related JMWMS Objective:	Objective 4 – To explore new opportunities of promoting waste minimisation and of using all waste as a resource in accordance with the waste hierarchy.
Details:	Includes all sources, not just kerbside collections.
2021/22 Performance:	Actual: 991kg (967kg in 2020/21) Target: 1,000kg (lower is better)

Commentary:	In 2020/21, covid restrictions resulted in the LWP receiving less household waste. Whilst the total tonnage in 2021/22 has returned to pre-covid (2020/21) levels, that's come from a growing population, and is thus less waste per household. This is good news (waste minimisation) and appears to be a “new normal” but we will continue to monitor this and, if necessary, seek to take action.
Our plans:	We are seeking to maintain, or even lower this rate through: <ul style="list-style-type: none"> • Including messages about waste minimisation alongside our other waste-related publicity.

Theme 2 – Contamination

The LWP have agreed two measures relating to the level of non-recyclable materials in our kerbside collections of recyclables. We did not set targets previously but are in a better position to do so as we are more aware of:

- Baseline levels – Waste quantities and composition have changed during covid but we are now better able to understand what is “normal”.
- Reasonable improvements – Data from areas where twin-stream has rolled out will help us to understand what improvements are possible as we gradually roll out countywide.

Recyclables Contamination (%)	
Related JMWMS Objective:	Objective 1 – To improve the quality and therefore commercial value of our recycling stream.
Details:	Shown as a percentage, the quantity of non-recyclable material contained in our kerbside recycling collections.
2021/22 Performance:	Actual: 27.6% (30.0% in 2020/21)
	Target: To be confirmed (lower is better)
Commentary:	In areas where twin-stream collections have started, accompanied by the ‘Right Thing, Right Bin’ message, we have seen a dramatic improvement in quality both of separate paper and card and of the remaining mixed recyclables.
Our plans:	We are seeking to reduce contamination through: <ul style="list-style-type: none"> • Consistent communications including our ‘Right Thing, Right Bin’ campaign. • Rolling out separate collections of paper and card to produce cleaner material which is easier to recycle. • Introducing separate collections of food waste in line with emerging national policy.

Recyclables Contamination (kg per household)	
Related JMWMS Objective:	Objective 1 – To improve the quality and therefore commercial value of our recycling stream.
Details:	Shown as a kg per household over the year as a whole, the quantity of non-recyclable material contained in our kerbside recycling collections.

2021/22 Performance:	Actual: 54.4kg (64.2kg in 2020/21)	Target: To be confirmed (lower is better)
Commentary:	Although we now receive a higher overall tonnage than pre-covid in kerbside recycling collections, much less of that is non-recyclable contamination.	
Our plans:	See above in percentage measure.	

Theme 3 – Carbon

An initial assessment, using 2017/18 data, identified the main sources of the LWP’s carbon emissions and, most notably, showed the importance of keeping landfill to a minimum. Having focussed on maintaining services during the pandemic, we are now in a position to update that work.

Those previous calculations used identical emissions factors for different recycled materials. To provide a more accurate calculation of carbon dioxide emissions, the County Council will develop a waste carbon footprint that uses the WRAP Carbon WARM (Carbon Waste and Resources Metric) methodology. This methodology has material specific carbon emissions factors for each recycled waste stream and will thus provide a more accurate result.

Theme 4 – Customer-friendly

We had intended to undertake a survey of public satisfaction with our kerbside collections and HWRC services. However, since the focus in 2020/21 and 2021/22 has been continuing to provide those services within the constraints of the pandemic, it is felt that such a survey could produce anomalous results. The idea will be revisited once the situation becomes more normal.