


November 27th, 2024

Notice Of Meeting

You are requested to attend the meeting to be held on **Wednesday, 4th December 2024** at **7:00 pm** in **Hybrid Meeting - Church Street, Newtownards & Zoom.**

Agenda

Agenda

 *EC 04.12.24 Agenda.pdf*

Page 1

1. **Apologies**
2. **Declarations of Interest**

Reports for Approval

3. **Fixed Penalty Notices for the Offence of Abandoning Vehicles and Revision of Abandoned Vehicles Policy**

Report attached

 *Item 3 Revision of Abandoned Vehicles Policy and Use of Fixed Penalty Notices DL.pdf*

Page 3

4. **Granting of an Amusement Permit**

Report attached

 *Item 4 Grant of Amusement Permit DL.pdf*

Page 6

5. **Elected Member Task and Finish Working Group - Strategic Review of HRC Estate**

Report attached

 *Item 5 Elected Member Task and Finish Working Group - Strategic Review of HRC Estate DL.pdf*

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Reports for Noting

6. **Q2 NET Activity Report (1 July to 30 September 2024)**

Report attached

 *Item 6 NET Activity Report - Q2 July - Sept 2024 DL.pdf*

Page 10

7. **Northern Ireland Local Authority Municipal Waste Management Statistics – April to June 2024**

Report attached

 **Item 7 NI Local Authority Municipal Waste Management Statistics April to June 2024 DL.pdf**

Page 18

8. Quarterly Sustainable Energy Management Strategy Progress Report Q2 2024-25

Report attached

 **Item 8 Quarterly Sustainable Energy Management Strategy Progress Report Q2 2024-25 DL.pdf**

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 **Item 8 Appendix 1 - ANDBC Energy Strategy Action Plan Update.pdf**

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9. Any Other Notified Business

*****Item 10 In Confidence*****

Reports for Approval

10. Tenders for the Design, Supply, Installation and Maintenance of Solar PV Systems at Various Council Properties

Report attached

 **Item 10 Tender for the Provision of PV Solar Panels DL.pdf**

Not included

11. Item Withdrawn

ARDS AND NORTH DOWN BOROUGH COUNCIL

26 November 2024

Dear Sir/Madam

You are hereby invited to attend a hybrid meeting (in person and via Zoom) of the Environment Committee of Ards and North Down Borough Council in the Council Chamber, 2 Church Street, Newtownards on **Wednesday, 4 December 2024** commencing at **7.00pm**.

Yours faithfully

Susie McCullough
Chief Executive
Ards and North Down Borough Council

A G E N D A

1. Apologies
2. Declarations of Interest

Reports for Approval

3. Fixed Penalty Notices for the Offence of Abandoning Vehicles and Revision of Abandoned Vehicles Policy (Report attached)
4. Granting of an Amusement Permit (Report attached)
5. Elected Member Task and Finish Working Group - Strategic Review of HRC Estate (Report attached)

Reports for Noting

6. Q2 NET Activity Report (1 July to 30 September 2024) (Copy attached)
7. Northern Ireland Local Authority Municipal Waste Management Statistics – April to June 2024 (Report attached)
8. Quarterly Sustainable Energy Management Strategy Progress Report Q2 2024-25 (Copy attached)
9. Any Other Notified Business

*****ITEMS 10 TO 11 IN CONFIDENCE*****

Reports for Approval

- 10. Tenders for the Design, Supply, Installation and Maintenance of Solar PV Systems at Various Council Properties (Report attached)
- 11. Item Withdrawn

MEMBERSHIP OF ENVIRONMENT COMMITTEE (16 Members)

Alderman Armstrong-Cotter	Councillor Irwin
Councillor Blaney	Councillor Kerr
Councillor Boyle	Alderman McAlpine (Chair)
Alderman Cummings	Councillor McKee
Councillor Cathcart	Councillor McKimm
Councillor L Douglas	Councillor McLaren (Vice Chair)
Councillor Edmund	Councillor Morgan
Councillor Harbinson	Councillor Wray

Unclassified

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ITEM 3

Ards and North Down Borough Council

Report Classification	Unclassified
Exemption Reason	Not Applicable
Council/Committee	Environment Committee
Date of Meeting	04 December 2024
Responsible Director	Director of Environment
Responsible Head of Service	Head of Regulatory Services (Temporary)
Date of Report	18 November 2024
File Reference	92014
Legislation	Clean Neighbourhoods and Environment Act (Northern Ireland) 2011 Pollution Control and Local Government (Northern Ireland) Order 1978 The Removal and Disposal of Vehicles (Prescribed Periods) Regulations (Northern Ireland) 2012
Section 75 Compliant	Yes <input type="checkbox"/> No <input type="checkbox"/> Other <input type="checkbox"/> If other, please add comment below:
Subject	Fixed Penalty Notices for the Offence of Abandoning Vehicles and Revision of Abandoned Vehicles Policy
Attachments	None

The Offence of Abandonment outlined in Article 29 of the Pollution Control and Local Government (Northern Ireland) Order 1978 makes it a criminal offence to abandon a motor vehicle or anything that has formed part of a motor vehicle on any land in the open air or on any other land forming part of a road.

A person found guilty of such an offence may be punished on summary conviction with a fine not exceeding Level 5 on the standard scale (currently £5,000), or in the case of a second or subsequent conviction, to such a fine or to imprisonment for a term not exceeding three months or both.

Not Applicable

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For certain types of abandoned vehicles, district councils are required to take steps to trace the owner of a vehicle and, if successful, give them 7 days written notice that the council intends to dispose of the vehicle if it is not collected within that time. If the owner is traced, the council has the option of serving a fixed penalty notice as an alternative to prosecution for the offence of abandoning the vehicle.

Section 7 of the Clean Neighbourhoods and Environment Act (Northern Ireland) 2011 inserted a new Section 29A into the 1978 Order, allowing an authorised officer of a district council to issue a fixed penalty notice as an alternative to prosecution for the offence. The fixed penalty is set at £200, and an authorised officer must be an employee of a district council authorised in writing by that council to issue fixed penalty notices.

It is sometimes difficult to identify an offender when a vehicle has changed ownership and DVLA records are not accurate and the added use of a fixed penalty enforcement option would be beneficial, when evidence exists, to enable officers to deal expediently with a vehicle without the necessity of a court case.

There have been 290 abandoned vehicle reports investigated by the Neighbourhood Environment Team in the last 12 months. It would be expected that only a small percentage of these would attract an FPN.

Fixed Penalty Notices

The fixed penalty amount is set statutorily at £200 however the Council may permit a discounted fine for 14 days to encourage early payment.

Officers do not currently have Council authority to issue FPN for this offence and similarly the discounted rate has not yet been set by the Council.

A district council may use its fixed penalty receipts only for the purposes of:

- (a) its functions under this Part; (29C Pollution Control and Local Government (Northern Ireland) Order 1978)
- (b) its functions under Part 8 of the Road Traffic Regulation (Northern Ireland) Order 1997;
- (c) its functions relating to the enforcement of Sections 2 and 3 of the Clean Neighbourhoods and Environment Act (Northern Ireland) 2011; and
- (d) such other of its functions as may be specified in Regulations made by the Department.

For Information - The Removal and Disposal of Vehicles (Prescribed Periods) Regulations (Northern Ireland) 2012

The Regulations prescribe the period during which the occupier of land may object to the removal of an abandoned vehicle from that land (Regulation 3) and the period during which the owner of a vehicle may remove it from the custody of a district council. This is seven days from the day on which the notice is served (Regulation 4) and the period commences on the date the district council notifies the person in

Not Applicable

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writing that he may remove the vehicle and ending on the seventh day after that date, or at the time when the vehicle is disposed of, whichever is the later (Regulation 5).

The following proposals are made in relation to the Council's enforcement of offences relating to abandoned vehicles:

1. Officers be authorised to issue fixed penalty notices for persons abandoning vehicles under Section 7 of the Clean Neighbourhoods and Environment Act (Northern Ireland) 2011 where sufficient evidence is obtained.
2. The discounted fixed penalty notice fine be set at £150 if paid within 14 days of issue.
3. The Abandoned Vehicles policy is to be revised:
 - a) To permit a maximum holding period of 21 days prior to disposal as a scrap value vehicle or auction/sale were judged to have more than scrap value, where the owner cannot be traced or the traced owner has failed to respond to the 7-day notice served on them.
 - b) To substitute the current £10 fee with "The owner of a vehicle impounded by the Council shall be liable for any expenses that the council or contractor incurred in respect of its removal, this may also include a daily storage fee determined by Council or authorised Contractor."

RECOMMENDATION

It is recommended that the Council agrees to the proposals set out in this report relating to the enforcement of offences relating to abandoned vehicles.

Unclassified

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ITEM 4

Ards and North Down Borough Council

Report Classification	Unclassified
Exemption Reason	Not Applicable
Council/Committee	Environment Committee
Date of Meeting	04 December 2024
Responsible Director	Director of Environment
Responsible Head of Service	Head of Regulatory Services (Temporary)
Date of Report	22 October 2024
File Reference	90101
Legislation	Betting, Gaming, Lotteries and Amusements Order (NI) 1985
Section 75 Compliant	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other <input type="checkbox"/> If other, please add comment below:
Subject	Grant of an Amusement Permit
Attachments	None

An application has been received for the Grant of an Amusement Permit as follows:

Premises: Jewel Casino Ltd, 105 Bloomfield Road South, Bangor

Applicant: Mr Francis Brady, 5 Dunamallaght Park, Ballycastle

Application for an **amusement licence** has been made under Article 108 (1) (ca) of the Order to provide gaming machines with a maximum cash prize pay-out of £25. Access to the premises will be restricted to over 18-year-olds only.

The application has been publicly advertised as required by the Order and there have been no objections.

The PSNI have also confirmed that they do not have any objection to the grant.

Not Applicable

Should the Council be minded to refuse this application or wish to impose further restrictions on the applicant then the Council is required to serve Notice on the applicant stating the proposed grounds for the refusal or additional restrictions. The applicant then has 14 days to inform the Council in writing their desire to show cause, in person or by a representative as to why the application should not be refused or the additional conditions applied.

RECOMMENDATION

It is recommended that the Council considers the application and confirms if it wishes to grant an amusement permit or indicate its intention to refuse it.

Unclassified

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ITEM 5

Ards and North Down Borough Council

Report Classification	Unclassified
Exemption Reason	Not Applicable
Council/Committee	Environment Committee
Date of Meeting	04 December 2024
Responsible Director	Director of Environment
Responsible Head of Service	Head of Waste and Cleansing Services
Date of Report	20 November 2024
File Reference	47049
Legislation	Waste and Contaminated Land (NI) Order 1997
Section 75 Compliant	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other <input type="checkbox"/> If other, please add comment below:
Subject	Elected Member Task and Finish Working Group - Strategic Review of HRC Estate
Attachments	None

Members may recall that in October 2024, the Council agreed to undertake a strategic review of its HRC estate. It was suggested that a Members' Working Group of Members should guide this process, in similar fashion to the review of our kerbside waste collections model.

The Members' Working Group for the review of our kerbside waste collections model was established using the d'Hont method, and it is therefore proposed that this be used once again for the establishment of the HRC review group.

Members may wish to utilise the same Kerbside Waste Collections Review Working Group membership for the HRC estate review group or nominate new representatives, again using the d'Hont method.

The current membership of the Elected Member Kerbside Waste Collections Working Group is, Aldermen Adair, Graham, McAlpine and McIlveen and Councillors Cathcart, Harbinson, Irwin, McKimm, Morgan, Smart and Wray.

Not Applicable

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RECOMMENDATION

It is recommended that nominations be made for membership of an Elected Member Task and Finish Working Group for the Strategic Review of Council's HRC Estate, using the d'Hont method.

Unclassified

ITEM 6

Ards and North Down Borough Council

Report Classification	Unclassified
Exemption Reason	Not Applicable
Council/Committee	Environment Committee
Date of Meeting	04 December 2024
Responsible Director	Director of Environment
Responsible Head of Service	Head of Regulatory Services (Temporary)
Date of Report	07 November 2024
File Reference	92009
Legislation	Dogs NI Order 1983 Dogs (Amendment) Act (Northern Ireland) 2011 Clean Neighbourhoods and Environment Act (Northern Ireland) 2011 Litter (NI) Order 1994 Waste and Contaminated Land (NI) Order 1997
Section 75 Compliant	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other <input type="checkbox"/> If other, please add comment below:
Subject	Q2 NET Activity Report (1 July to 30 September 2024)
Attachments	Appendix 1 - Number of Service Requests by Type Appendix 2 - List of Fixed Penalties issued by Type and Location Appendix 3 - Keep Northern Ireland Beautiful Impact Card

Introduction

The information provided in this report covers, unless otherwise stated, the period

Not Applicable


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1 July to 30 September 2024. The aim of the report is to provide members with details of some of the key activities of the Team, the range of services it provides along with details of performance levels.

Applications to the Neighbourhood Environment Team

Dog Licences



Concessionary licences remain at 81% of dog licences issued over the period. This includes the categories of neutering (£5) / over 65 (Free – 1st dog) / over 65 subsequent dog (£5) and income related benefits (£5). Standard dog licence £12.50 and block licence £32. The application fees are set by statute. It should be noted that these figures include block licences where one licence can be issued for multiple dogs in specific circumstances.

	Period of Report July – Sept 2024	Period of Report July – Sept 2023	Comparison
Dog licences issued during the three months	5414	5062	

DOG CONTROL – Dog Licences	2024	2023
Full Cost	990	938
Reduced - Neutered	2731	2646
Reduced - Benefits	628	506
Free – Over 65	949	851
Reduced – Over 65 Subsequent Dogs	101	106
Block Licence	15	15
TOTAL	5414	5062

Investigations

The Neighbourhood Environment Team responds to a range of service requests. In terms of time spent, some types of service requests will be completed immediately whilst others require a longer-term strategy to find a resolution. The breakdown within the categories for the types of service requests received have been detailed in Appendix 1.

SERVICE REQUESTS			
	Period of Report July – Sept 2024	Same 3 months July – Sept 2023	Comparison
DOG CONTROL	201	447	
ENVIRONMENTAL CONTROL	351	332	

Not Applicable

Fixed Penalty Notices

The Neighbourhood Environment Team issued **79** Fixed Penalty Notices for various environmental offences in the Borough.

FIXED PENALTY NOTICES			
	Period of Report July – Sept 2024	Same 3 months July – Sept 2023	Comparison
DOG CONTROL	40	47	↓
ENVIRONMENTAL CONTROL	39	24	↑

Prosecutions

Breakdown of cases being prosecuted through the Court.

PROSECUTIONS			
	Period of Report July – Sept 2024	Same 3 months July – Sept 2023	Comparison
DOG CONTROL	1	0	↑
ENVIRONMENTAL CONTROL	2	1	↑

Educational Programme

Correspondence was sent to all primary schools within the Borough attaching a link to the on-line flyer which provided details of Project **ELLA** and inviting teachers to contact the department to arrange for school visits, presentations and workshops.

For the period of this report which included the school holidays of July and August - the following activities took place:-

JULY	School Holidays
AUGUST	School Holidays
SEPTEMBER	Donaghadee Primary School – 1 Rock Pool; 1 Beach Clean; 1 Scavenger Hunt

To date the uptake of the **ELLA** Programme has been lower than anticipated. The method of delivery is currently being reviewed and the team will be reaching out to local schools and communities.

Attached (Appendix 3) is an impact card from Keep Northern Ireland Beautiful containing information for the Live Here Love Here and Eco-Schools programmes within the Ards and North Down Council area.

RECOMMENDATION

It is recommended that the Committee notes the report.

Not Applicable

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APPENDIX 1 – JULY – SEPTEMBER 2024

SERVICE REQUESTS			
	Period of Report July – Sept 2024	Same 3 months July – Sept 2023	Comparison
DOG CONTROL	201	447	↓
ENVIRONMENTAL CONTROL	351	332	↑

DOG CONTROL – Service Requests	2024	2023
Dog Attack on Other Domestic Animal	21	13
Dog Attack on Person	19	12
Dog Attack on Livestock	0	0
Barking	51	48
Breeding Establishments	3	6
Collection/Stray	39	42
Control Conditions Issued	11	11
Dangerous Breed	7	3
Detection No Licence	0	5
Dogs Education / Awareness / Events	0	18
Dogs Off Lead	2	2
Expired Dog Licence Calls *	3	239
Greyhound Control	0	0
Inadequate Dog Control	13	15
Straying	28	16
Welfare Initial Response	4	17
TOTAL	201	447

*These calls are carried out to cleanse the database as and when required.

ENVIRONMENTAL CONTROL – Service Requests	2024	2023
Abandoned Shopping Trolleys	4	0
Abandoned Vehicles	97	69
Bye-Laws	0	3
Dog Fouling	68	62
Enviro Education / Awareness / Events	0	1
Fly-Posting	0	0
Fly-Tipping	104	145
Graffiti	24	22
Littering	49	30
Littering Detection (Under 18 yr olds)	3	0
Motorhomes	1	0
Nuisance Parking	0	0
Repairing Vehicles on a Road	1	0
Shellfish Gathering	0	0
Vehicles Exposed For Sale on a Road	0	0
TOTAL	351	332

Not Applicable

Separate Fly-Tipping Incidents Recorded by Month for the Past 4 years.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
2020	37	31	52	59	71	60	44	51	40	38	43	32
2021	37	58	51	55	39	53	27	38	31	33	30	28
2022	38	37	41	50	19	31	36	42	36	22	27	23
2023	53	47	40	21	32	34	36	40	56	47	21	28
2024	36	34	15	31	42	32	32	32	36			

Fixed Penalty Notices

FIXED PENALTY NOTICES			
	Period of Report July – Sept 2024	Same 3 months July - Sept 2023	Comparison
DOG CONTROL	40	47	↓
ENVIRONMENTAL CONTROL	39	24	↑

	2024 July - Sept			2023 July - Sept		
DOG CONTROL	July	Aug	Sept	July	Aug	Sept
No Dog Licence	24	4	5	6	9	13
Straying	4	1	2	6	7	4
Breach of Control Conditions	0	0	0	0	1	0
Control of Greyhounds	0	0	0	0	0	1
TOTAL	28	5	7	12	17	18
ENVIRONMENTAL CONTROL	2024 July - Sept			2023 July - Sept		
Litter	6	10	15	4	13	5
Fly-Tipping	0	0	0	0	0	0
Fouling	1	3	4	0	2	0
TOTAL	7	13	19	4	15	5

Not Applicable

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APPENDIX 2

Offence	Area	Town
No Licence	Prospect Cottage	Ballygowan
No Licence	Meadow Road	Ballygowan
No Licence	Bartleys Wood	Ballywalter
Fouling	Springvale Road Car Park	Ballywalter
Litter	Ballywalter Beach	Ballywalter
No Licence	Hawthorn Rise	Ballywalter
No Licence	Hawthorn Rise	Ballywalter
No Licence	Faulkner Heights	Bangor
No Licence	Inglewood Park	Bangor
Litter	KFC Balloo	Bangor
No Licence	Henderson Drive	Bangor
No Licence	Henderson Drive	Bangor
No Licence	Manor Park	Bangor
Straying	Lord Wardens Hollow	Bangor
No Licence	Lord Wardens Hollow	Bangor
No Licence	Springfield Road	Bangor
No Licence	Ballyholme Road	Bangor
No Licence	Cloverhill Drive	Bangor
Litter	Springhill Shopping Centre	Bangor
Litter	Springhill Shopping Centre	Bangor
No Licence	Clandeboy Estate	Bangor
Fouling	Signal Centre	Bangor
Litter	Kingsland Car Park	Bangor
Fouling	Bangor Sportsplex	Bangor
Litter	Smyths Toys Car Park	Bangor
Litter	Bloomfield Shopping Centre	Bangor
Litter	Bloomfield Shopping Centre	Bangor
Litter	Bloomfield Shopping Centre	Bangor
Litter	Balloo Link	Bangor
Litter	Asda Main Street	Bangor
Litter	Old Belfast Road	Bangor
Litter	Asda Car Park	Bangor
No Licence	Marquis Rise	Bangor
No Licence	Marquis Rise	Bangor
Straying	Marquis Rise	Bangor
Litter	Bloomfields Shopping Centre	Bangor
Fouling	City Hall, path leading to top car park	Bangor
No Licence	Ballygowan Road	Comber
No Licence	Bruce Avenue	Comber
Straying	Loughview Cemetery	Comber
Litter	The Square	Comber
No Licence	Bridgelea Park	Conlig

Not Applicable

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Offence	Area	Town
No Licence	Bridgelea Park	Conlig
Straying	Ballymenoch Park	Holywood
Straying	Seafront Road	Holywood
Fouling	Seapark	Holywood
Fouling	Seapark	Holywood
Fouling	Seapark near Playpark	Holywood
No Licence	Blackhall Street	Kircubbin
No Licence	McKenna Road	Kircubbin
No Licence	Cornmill Way	Millisle
Fouling	Millisle Beach	Millisle
Litter	Millisle Car Park beside Spar Shop	Millisle
Straying	Movilla Road	Newtownards
Straying	Movilla Road	Newtownards
No Licence	Ashbourne Park	Newtownards
No Licence	Bangor Road	Newtownards
No Licence	Abbot Court	Newtownards
Litter	Castlebawn Car Park	Newtownards
No Licence	Rathmullan Drive	Newtownards
Litter	Ards Shopping Centre Car Park	Newtownards
Litter	Ards Shopping Centre Car Park	Newtownards
Litter	Ards Shopping Centre Car Park	Newtownards
Litter	Ards Shopping Centre Car Park	Newtownards
Litter	Ards Shopping Centre Car Park	Newtownards
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Litter	Ards Shopping Centre Car Park	Newtownards
Litter	Ards Shopping Centre Car Park	Newtownards
No Licence	Ardmillan Crescent	Newtownards
Litter	Castlebawn Car Park	Newtownards
Litter	IMC Cinema Car Park	Newtownards
Litter	IMC Cinema Car Park	Newtownards
No Licence	Tullymally Road	Portaferry
No Licence	Tullymally Road	Portaferry
No Licence	Seahaven Drive	Portavogie
No Licence	New Road	Portavogie

APPENDIX 3



Unclassified

ITEM 7

Ards and North Down Borough Council

Report Classification	Unclassified
Exemption Reason	Not Applicable
Council/Committee	Environment Committee
Date of Meeting	04 December 2024
Responsible Director	Director of Environment
Responsible Head of Service	Head of Waste and Cleansing Services
Date of Report	13 November 2024
File Reference	53042
Legislation	Waste and Contaminated Land (NI) Order 1997
Section 75 Compliant	Yes <input type="checkbox"/> No <input type="checkbox"/> Other <input checked="" type="checkbox"/> If other, please add comment below: Not relevant
Subject	Northern Ireland Local Authority Municipal Waste Management Statistics, April to June 2024
Attachments	None

Introduction

The official waste management statistics for the first quarter of 2024/2025 (April to June 2024) have been released by the Northern Ireland Environment Agency.

The aim of this report is to:

1. Report key quarterly waste management performance statistics relative to the same period last year (found in part 1 of the report) and to our baseline comparator year of 2021-22 (found in the KPI section of part 2 of the report), and
2. Provide some detail around operational waste service management activities/actions that have been implemented during the quarter with the aim of improving performance.

Not Applicable





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In summary, all key indicators are positive for this reporting period. They show that not only have we have sustained the overall gains achieved since we started a renewed programme of performance improvement in 2021-22, but we have made further significant progress. The reduction in our landfill burden seen over recent quarters has been maintained and further improved upon. Moreover, for the second successive reporting period, our HRC recycling rate has surpassed the average rate achieved in other NI Councils.

Looking at the 'quality' of our recycling performance, an important statistic included in DAERA's report is the proportion of waste sent to landfill which is biodegradable (and therefore more harmful to the environment in terms of landfill gas production). Once again, our Council had the lowest percentage of biodegradable municipal landfill waste, at **35.8%** compared to a NI Council average of **46.6%**. This reflects our relative success in capturing more biodegradable waste materials for recycling, such as compostable food and garden waste.

Furthermore, in terms of assessing sustainable waste resource management performance, which must be judged in terms of not just recycling rates but also reduction and reuse of waste, it is significant to note that ANDBC has continued to experience the greatest fall in total municipal waste tonnage of all NI Councils. We achieved an **11.7% drop in municipal waste arisings** during this reporting period compared to the same quarter in our baseline assessment year of 2021-22. The average drop across other Councils was just **4%**.

Summary Table of Key Changes Q1 2024-25

	2021-22	2022-23	2023-24	2024-25	Change on Previous Yr
Household Waste Recycling Rate	49.5%	54.9%	58.5%	59.8%	 1.3%
Recycling Rate Ranking	9th	6th	4th	3rd	 1 place
Composting Rate	29.6%	35.1%	38%	38.8%	 0.8%
Dry Recycling Rate	19.6%	19.5%	20.2%	20.6%	 0.4%
Total HRC Waste	9249T	7235T	6873T	5769T	 16.1%
HRC Residual/Landfill Waste Received	3664T	2463T	2127T	1474T	 30.7%
HRC Recycling Waste Received	5585T	4772T	4746T	4295T	 9.5%
Proportion of HRC Waste Received for Recycling	60%	66%	69%	74.4%	 5.4%
Total Kerbside Waste	15165T	16184T	15185T	15760T	 3.8%
Kerbside Residual Waste Received	6509T	6414T	5433T	5645T	 3.9%
Kerbside Recycling Waste Received	8656T	9770T	9752T	10115T	 3.7%
Proportion of Kerbside Waste Received for Recycling	57.1%	60.4%	64.2%	64.2%	 Same

Not Applicable

Spotlight on Landfill Cost Savings to ANDBC Ratepayers

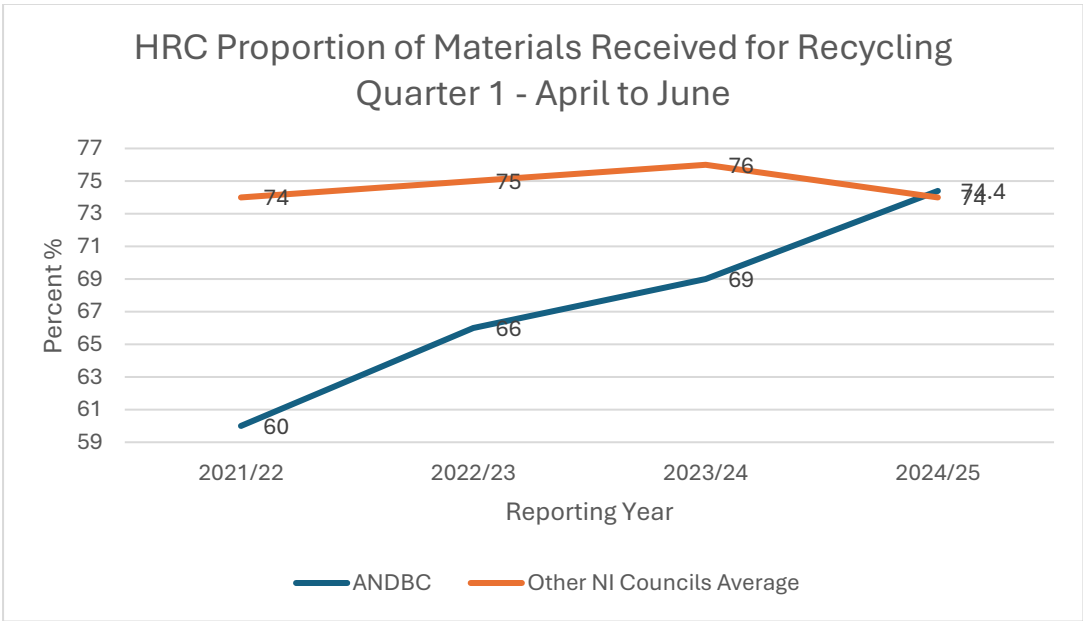
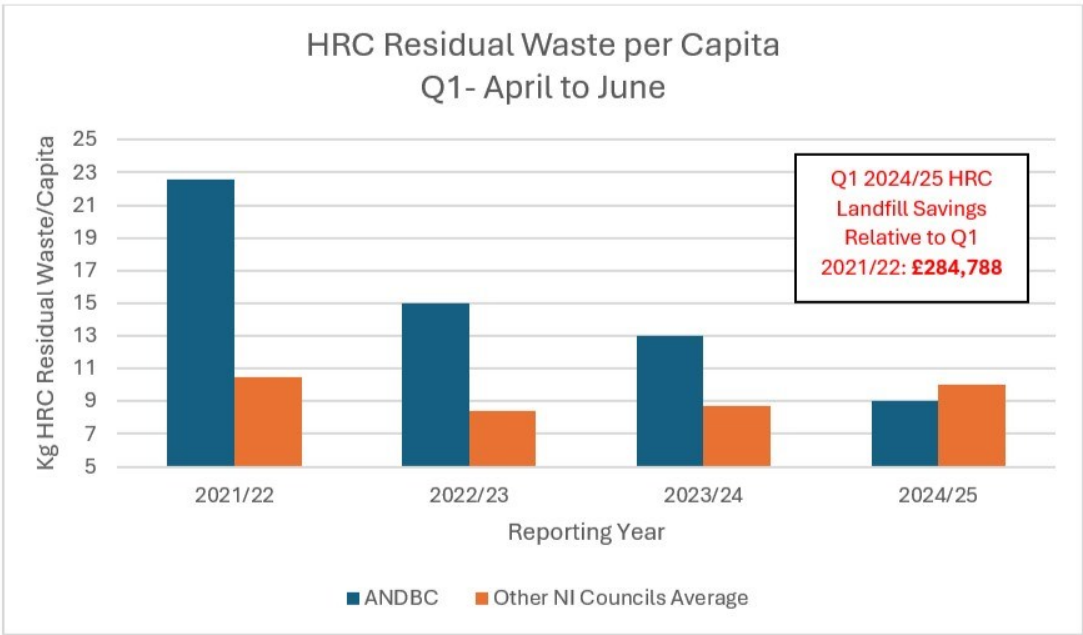
For the **12-month period** June 2023 to June 2024:

Landfill cost saving to ANDBC ratepayers compared to the baseline 2021-22 reporting year (based upon current landfill gate fee/landfill tax):

£1,059,578

Plus, **c£100K** landfill haulage cost savings

Spotlight on HRCs – Impact of New Access Controls

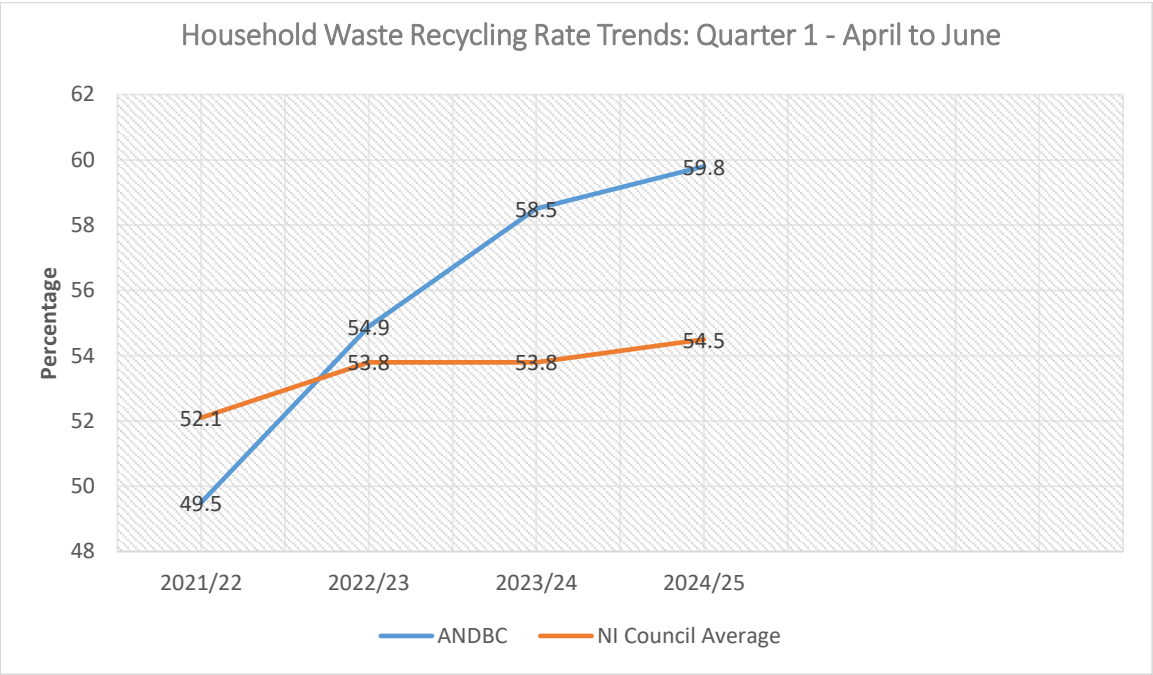


Not Applicable

1.0 Northern Ireland Local Authority Collected Municipal Waste Management Statistics – October to December 2023

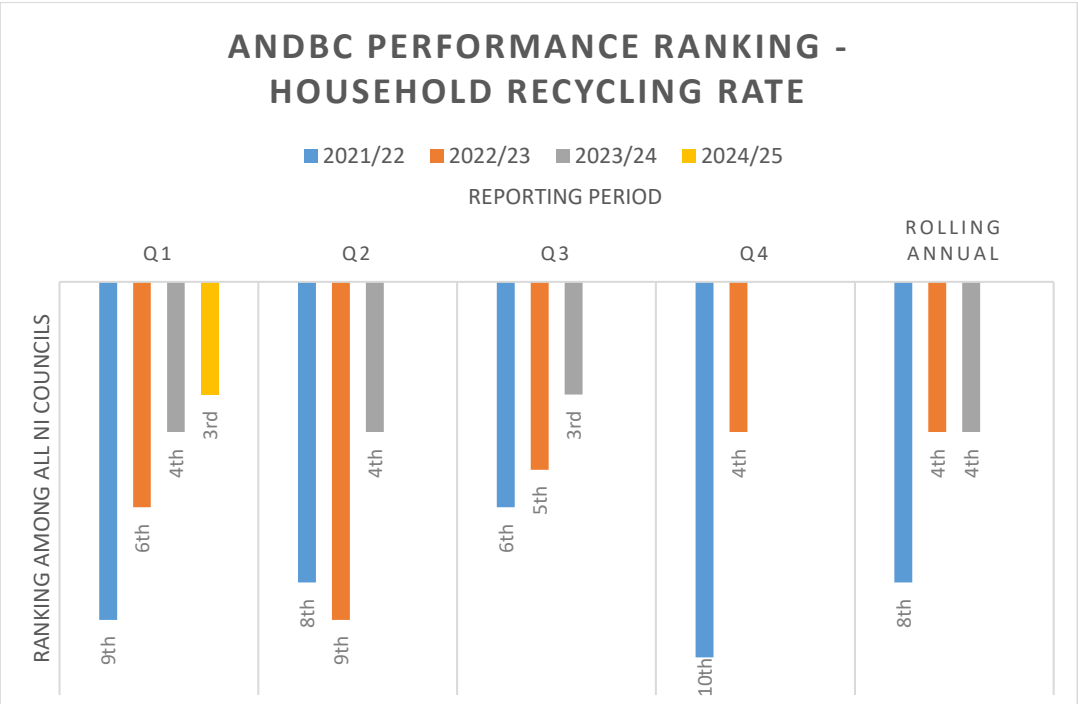
The significant headlines contained within the latest DAERA report show that:

- i. Our household waste recycling rate **rose** by 1.3% compared to Q1 last year, from 58.5% to 59.8%.

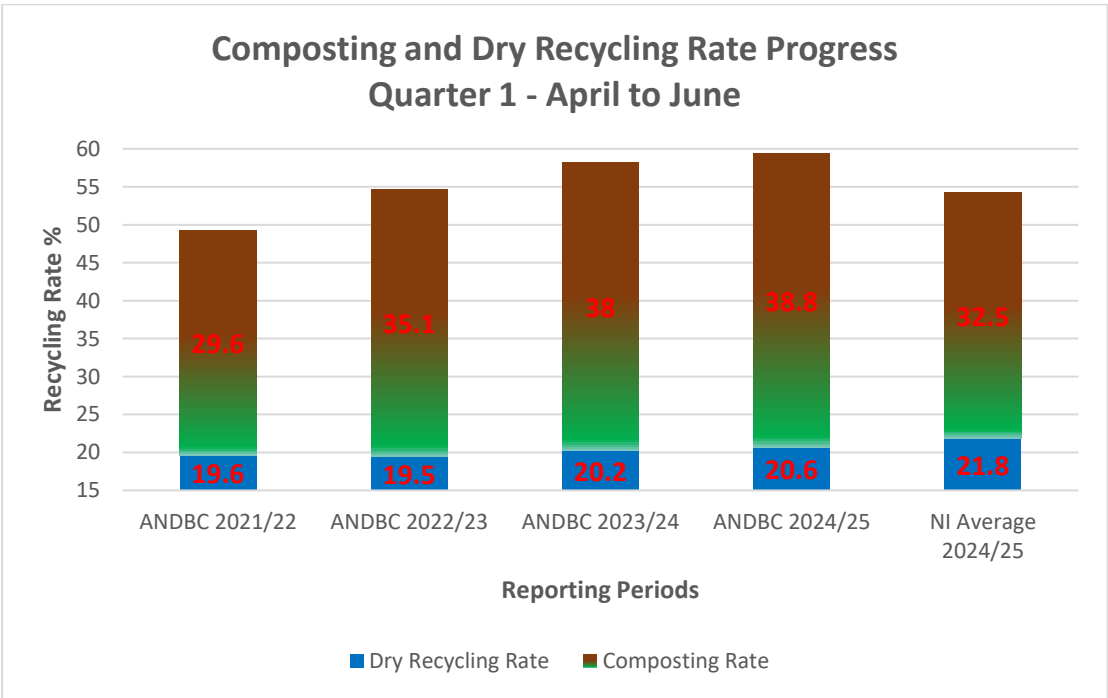


- ii. Our household waste recycling rate of 59.8%, was 5.3% **higher** than the NI average of 54.5%.
- iii. We were ranked **third** out of the eleven NI Councils for our household waste recycling rate, up one place from last year.

Not Applicable



- iv. Our household waste composting rate **rose** by 0.8% - from 38% to 38.8%. Our household waste dry recycling rate **rose** by 0.4% - from 20.2% to 20.6%.
- v. Our household waste composting rate of 38.8% was 6.3% **higher** than the NI average of 32.5%.
- vi. Our household waste dry recycling rate (i.e. recycling of items other than organic food and garden waste) of 20.6% was 1.2% **lower** than the N.I. average of 21.8%.



Not Applicable

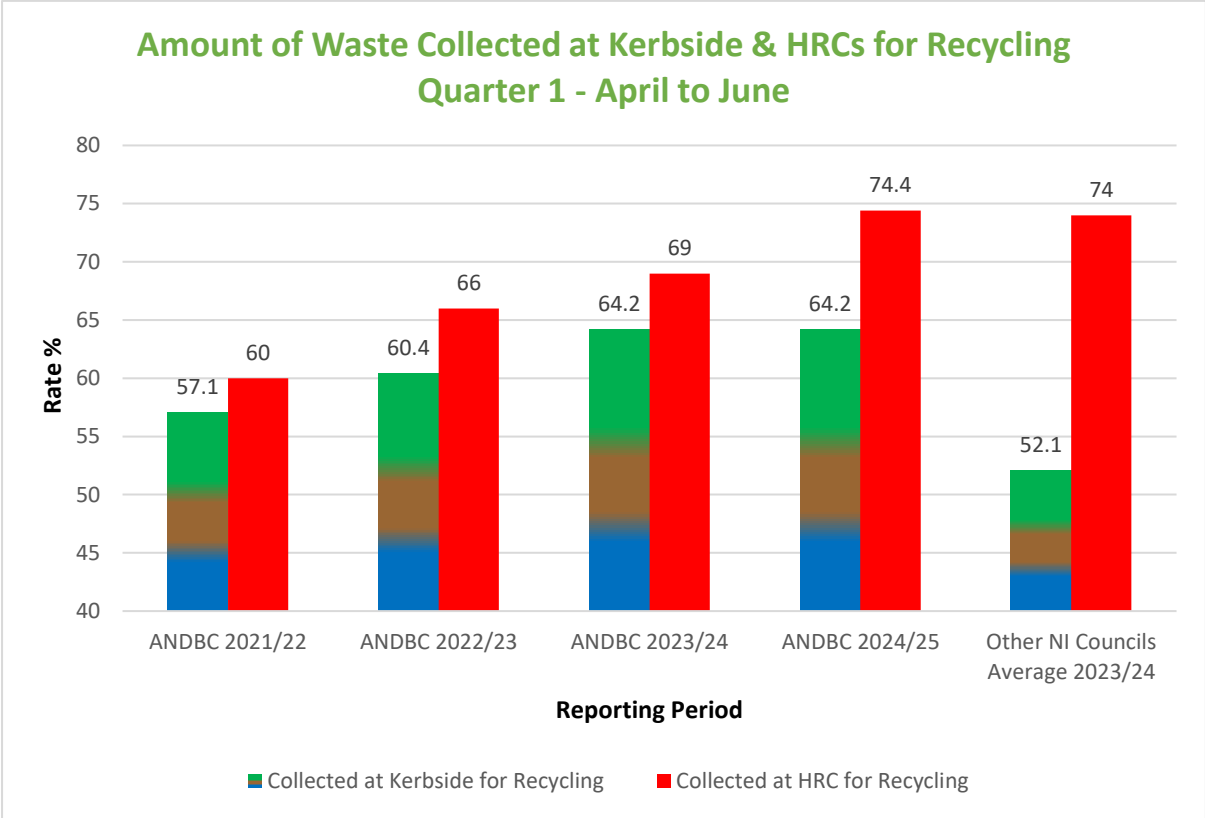
23

- vii. Our kerbside recycling capture rate of 81.4% for household compostable waste materials was the **highest in NI** and compared to a NI Council average of 73.8%.
- viii. Our **lowest** kerbside capture rate for recyclable materials was for mixed plastics, at 25.2%.

Kerbside Capture Rate for Recyclable Waste Types – October to December		
Recyclable Material	Kerbside Capture Rate for Recycling %	NI Average Kerbside Capture Rate for Recycling %
Glass	66.1	55.3
Paper & Card	63.8	53
Mixed Metals	37.9	31.6
Mixed Plastics	25.2	22.5
Organic/Compostables	81.4	73.8

- ix. We ranked 9th in the Council performance table for 'dry' recycling rate and 1st for composting rate.
- x. We received 9.1% **less** total waste per capita at our HRCs compared to the average for other NI Councils, compared to 15% **more** waste during the same period the previous year.
- xi. We received 10% **less** residual/landfill waste per capita at our HRCs compared to the average for other Councils, compared to 49% **more** during the same period the previous year.
- xii. For the second successive quarter, the proportion of waste collected at our HRC sites for recycling was **more** than the average for other Councils – 70.4%, compared to an average rate of 70% for other Councils.
- xiii. We collected 9.6% **more** waste per capita from homes through our kerbside bin collection services compared to the average for other Councils.
- xiv. We collected 17.9% **less** residual/landfill waste per capita from homes through our kerbside bin collection services compared to the average for other Councils.
- xv. The proportion of waste collected for recycling through our kerbside bin collection system was significantly **higher** than the average for other Councils – 64.2%, compared to an average of 52.1% for other Councils.

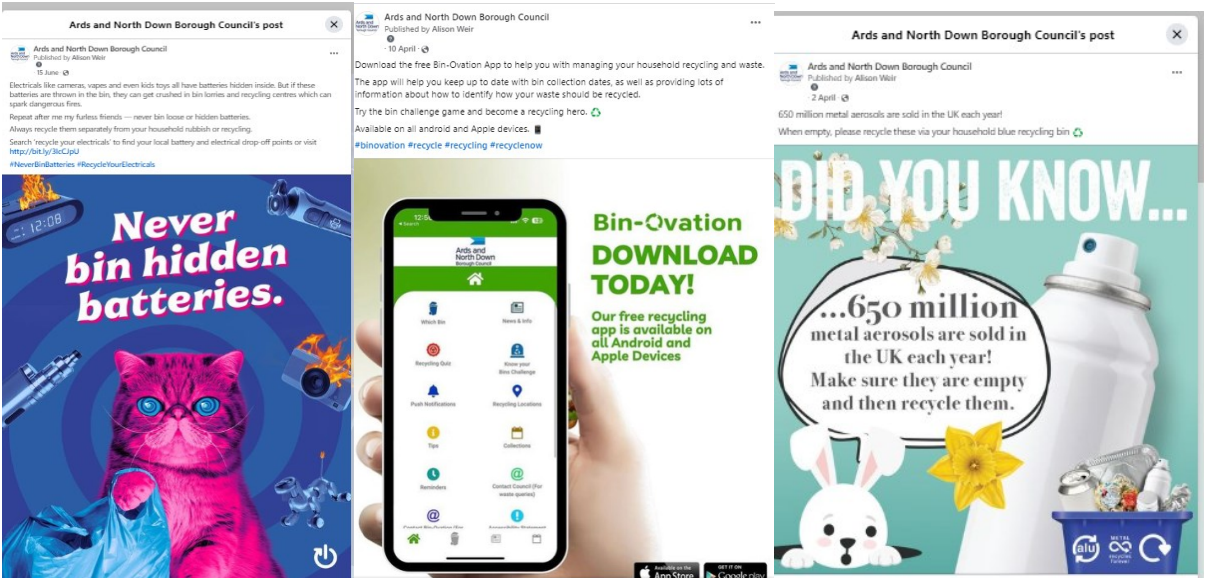
Not Applicable



2.0 Operational Performance Improvement Measures

2.1 Marketing and Communications Indicators

MC1 – Twenty social media posts were issued, with associated engagement/management of feedback across Waste and Recycling on ANDBC corporate channels. Topics included Recycling aluminium, spring cleaning, battery recycling and holiday bin collections.



Not Applicable

25

MC2 – Eight Bin-Ovation ‘News and Info’ articles were published, seven Bin-ovation ‘Push Notifications’ issued, and 1683 Bin-ovation downloads recorded.



MC3 – Officers delivered fourteen community and engagement events, talking to over 870 people.

- 9 Community groups and schools
- 1 Community information event
- 4 Summer schemes



2.2 Household Recycling Centre Indicators

HRC1 – Volume of blue bin recyclable materials separated from mixed waste by residents on-site: 738,380 litres.

Not Applicable



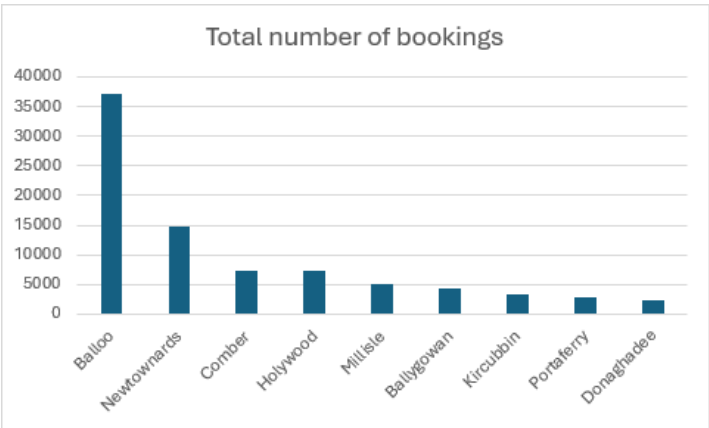
This equates to approximately 31 tons of blue bin waste; whilst this is a relatively modest weight of material, it represents a very large/visible volume of recyclable waste extracted from bags of mixed waste which was initially intended to be placed landfill skips at HRCs. A collateral benefit of this practice of requiring removal of blue bin recyclables from black bags of mixed waste before using the landfill skip is that it should help to ‘educate’ householders - promoting more efficient separation of waste in the home and greater use of blue bins at the kerbside.

This represents just one type of recyclable waste category which was prevented from entering landfill skips at HRCs as a consequence of our more focused attention to supervision of landfill skip access; many other recyclable waste types will also have been prevented from entering the landfill skips as reflected in KPI, HRC3.

HRC2 – Number of visitors turned away from site: 573

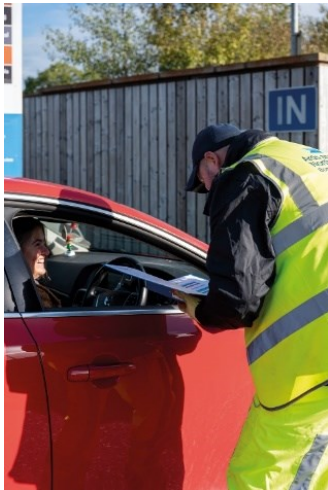
This is a significant number in itself, but it is likely to be the case that a significant number of out of Borough residents will have avoided coming to our sites because of the widely publicised focus upon checking ID for everyone entering and those turned away will in all probability avoid further attempts to enter and use our HRCs; the impact of this will also be reflected in HRC3 and other KPIs.

HRC2a – Number of HRC bookings: 84,451



HRC2b – Average number of HRC visits per household: 1.18 (averaged across the 71,698 households in the Borough)

Not Applicable



15:16

Ards and North Down Borough Council

Book a visit to the Household Waste Recycling Centre

Your details

E-mail address

Enter your e-mail address

☐ I am a blue badge holder and require assistance during my visit

Is this a residential or charity booking?

(Please select)

Your address

Enter postcode...

Search

HRC3 – % change in tonnage of total waste received (compared to same period in baseline year 2021-22)

- We experienced a **38% decrease** in the total amount of waste received at our HRCs, from 9249T to 5769T.

HRC4 - % change in tonnage of waste received for landfill (compared to same period in baseline year 2021-22)

- We experienced a **60% decrease** in the amount of waste received for landfill at our HRCs, down from 3664T to 1474T.

HRC5 - % change in tonnage of waste received for recycling (compared to same period in baseline year 2021-22)

- We experienced a **23.1% decrease** in the amount of waste received for recycling at our HRCs, down from 5585T to 4295T.

HRC6 - % change in proportion of HRC waste materials collected for recycling (compared to same period in baseline year 2021-22)

- We experienced a **14.4% increase** in the proportion of all waste received at HRCs which was collected for recycling, up from 60% to 74.4%.

2.3 Kerbside Household Waste Collections Indicators

ALERT!

Today your grey bin was contaminated with food waste, recyclable material, glass bottles or jars. Whilst we have emptied your grey bin today, we may not do so in the future if this problem recurs.
Put all food waste in your green or brown bin for recycling, remove all wrapping/packaging.
Put all recyclable material in your blue bin.
Put all glass bottles and jars in your collection box and present with the appropriate bin.

STRICTLY NO FOOD WASTE, RECYCLABLE MATERIAL, GLASS BOTTLES OR JARS IN YOUR GREY BIN

Further information is available at:
www.ardsandnorthdown.gov.uk/recycling
Email: recycling@ardsandnorthdown.gov.uk
Tel: 0300 013 3333 (select option 3)

ALERT!

Your grey bin was contaminated with food waste, blue bin recyclables, glass bottles or jars again today. Whilst we have emptied your grey bin today, this is the last time we will do so if this problem recurs.
If we find food waste, blue bin recyclables, glass bottles or jars in your grey bin in future, we will not empty it.
Put all food waste in your green or brown bin for recycling, remove all wrapping/packaging.
Put all recyclable material in your blue bin.
Put all glass bottles and jars in your glass collection box, and present with the appropriate bin.

STRICTLY NO FOOD WASTE, RECYCLABLE MATERIAL, GLASS BOTTLES OR JARS IN YOUR GREY BIN

Further information is available at:
www.ardsandnorthdown.gov.uk/recycling
Email: recycling@ardsandnorthdown.gov.uk
Tel: 0300 013 3333 (select option 3)

ALERT!

Your grey bin was not emptied today due to the repeated presence of food waste, blue bin recyclables, glass bottles or jars. Remove the food waste, blue bin recyclables, glass bottles or jars from this bin and put them into the appropriate bin or collection box. Your grey bin will then be emptied on your next scheduled grey bin collection.

STRICTLY NO FOOD WASTE, RECYCLABLE MATERIAL, GLASS BOTTLES OR JARS IN YOUR GREY BIN

Further information is available at:
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Email: recycling@ardsandnorthdown.gov.uk
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Not Applicable

- KS1** – Number of recycling alert stickers applied to grey bins (yellow): 2505
- KS2** – Number of recycling alert stickers applied to grey bins (amber): 231
- KS3** – Number of recycling alert stickers applied to grey bins (red): 164
- KS4** – % change in tonnage of total waste collected (compared to same period in baseline year 2021-22)

- We experienced a **3.9% increase** in the total amount collected at the kerbside, up from 15165T to 15760T.

KS5 - % change in tonnage of grey bin waste collected for landfill (compared to same period in baseline year 2021-22)

- We experienced a **13.3% decrease** in the amount of grey bin waste collected, down from 6509T to 5645T.

KS6 - % change in tonnage of waste collected at kerbside for recycling (compared to same period in baseline year 2021-22)

- We experienced a **16.9% increase** in the amount of waste collected at kerbside for recycling, up from 8656T to 10115T.

KS7 – % change in proportion of kerbside waste materials collected for recycling (compared to same period in baseline year 2021-22)

- We experienced a **7.1% increase** in the proportion of kerbside waste that was collected for recycling, up from 57.1% to 64.2%.

2.4 Summary and Trend Analysis of Indicators

Indicator Reference	Monitoring Period 1 (December 2022 – March 2023*) *Waste tonnage indicators reflect period Jan to March 2023 only	Monitoring Period 2 (April 2023 – June 2023)	Monitoring Period 3 (July 2023 – Sept 2023)	Monitoring Period 4 (October 2023 – Dec 2023)	Monitoring Period 5 (January 2024 – Mar 2023)	Monitoring Period 6 (April 2024 – June 2024)
MC1 Social media posts	25	23	43	36	31	20
MC2 Print press and online articles	10	13	55	7	12	15
MC3	17	29	14	5	12	14

Not Applicable

29

Engagement events/sessions						
HRC1 Blue bin waste (litres)	1,322,000	762,460	604,600	769,002	862,000	738,380
HRC2 Visitors denied entry	1742	397	262	1258	528	573
HRC2a No. of bookings	N/A	N/A	22,199	72,423	68,353	84,451
HRC2b Average no. of HRC visits per household in the Borough	N/A	N/A	0.3	1.02	0.96	1.18
HRC3 Total HRC waste compared to same period 2021/22	16% Decrease	26% Decrease	19% Decrease	34% Decrease	26% Decrease	38% Decrease
HRC4 Landfill skip waste compared to same period 2021/22	27% Decrease	42% Decrease	32% Decrease	50% Decrease	47% Decrease	60% Decrease
HRC5 Recycling skip waste compared to same period 2021/22	8% Decrease	15% Decrease	11% Decrease	24% Decrease	11% Decrease	23.1% Decrease
HRC6 Proportion of HRC waste collected for recycling compared to same period 2021/22	5.5% Increase	9.1% Increase	6% Increase	9.5% Increase	11.7% Increase	14.4% Increase
KS1 Yellow warning stickers on grey bins	2784	6079	2714	2269	2939	2505
KS2 Amber warning stickers on grey bins	255	414	226	165	281	231
KS3	52	179	92	55	116	164

Not Applicable

30

Red warning stickers on grey bins						
KS4 Total kerbside waste compared to 2021/22	4.8% Increase	0% No Change	5% Decrease	1% Decrease	8.2% Increase	3.9% Increase
KS5 Grey bin waste compared to 2021/22	9.3% Decrease	16.5% Decrease	17.4% Decrease	10% Decrease	2% Decrease	13.3% Decrease
KS6 Kerbside waste collected for recycling compared to same period 2021/22	20.7% Increase	13% Decrease	4.9% Increase	6.2% Increase	20.4% Increase	16.9% Increase
KS7 Proportion of kerbside waste collected for recycling compared to same period 2021/22	7.2% Increase	7% Increase	5.2% Increase	4.3% Increase	5.2% Increase	7.1% Increase

3.0 Summary Assessment

This report confirms continued improvement in our sustainable waste resource management performance. Following the changes to our waste service model design and the associated education and engagement campaigns, we are experiencing sustained falls in the amount of landfilled waste as well as improvements in our recycling rates. During this reporting period, we experienced:

1. A significant sustained reduction in the amount of landfill waste received at our HRCs, as well as a significant fall in kerbside collected landfill waste. In total, we received/collected 3054 tons less of landfill waste at the kerbside and HRCs over this 3-month reporting period compared to the same period in the baseline year of 2021/22; at prevailing landfill cost (£130.04/T), **this represented a £397,142 landfill saving (plus other handling and transport cost savings).**
2. Sustained significant fall in the total amount of waste collected at HRCs and kerbside. In total our municipal waste arisings **have fallen by 11.7%** compared to the same period in the baseline year of 2021-22; this compared to a **fall of just 4%** on average across other NI Councils.
3. A significant rise in our kerbside recycling rate. The percentage of materials collected for recycling at the kerbside **has risen by 7.1%** compared to the same period in the baseline year of 2021/22.

Not Applicable

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4. An even more significant rise in our HRC recycling rate. The percentage of materials collected for recycling at our HRCs **has risen by 14.4%** compared to the same period in the baseline year of 2021/22.

Whilst the information set out in this report maintains a very encouraging picture of our progress and reflects a lot of hard work and dedication on the part of our waste and recycling teams, ***we must maintain a sustained focus upon the further progress that will be required if we are to have any chance of ultimately reaching the 70% recycling target for 2030 that is laid down in the Climate Change Act (Northern Ireland) 2022.*** Continued bedding in and careful monitoring and management of the HRC access booking system, the ongoing review of our kerbside collections model and a future strategic review of our HRC capital assets, will be critical.

It is important to reiterate that further 'step change', sustained improvements in both our HRC and kerbside recycling rates will be required to move us towards the new 70% target.

RECOMMENDATION

It is recommended that the Council notes the report.

ITEM 8

Ards and North Down Borough Council

Report Classification	Unclassified
Exemption Reason	Not Applicable
Council/Committee	Environment Committee
Date of Meeting	04 December 2024
Responsible Director	Director of Environment
Responsible Head of Service	Head of Assets and Property Services
Date of Report	06 November 2024
File Reference	50002
Legislation	Climate Change Act (Northern Ireland) 2022
Section 75 Compliant	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other <input type="checkbox"/> If other, please add comment below:
Subject	Quarterly Sustainable Energy Management Strategy Progress Report Q2 2024-25
Attachments	Appendix 1 - ANDBC Energy Strategy Action Plan Update

1.0 Background

In June 2024 the Council agreed the Sustainable Energy Management Strategy and Action Plan. One of the actions within the Plan was to “Improve governance arrangements to ensure that energy management has effective oversight and accountability within the Council.”

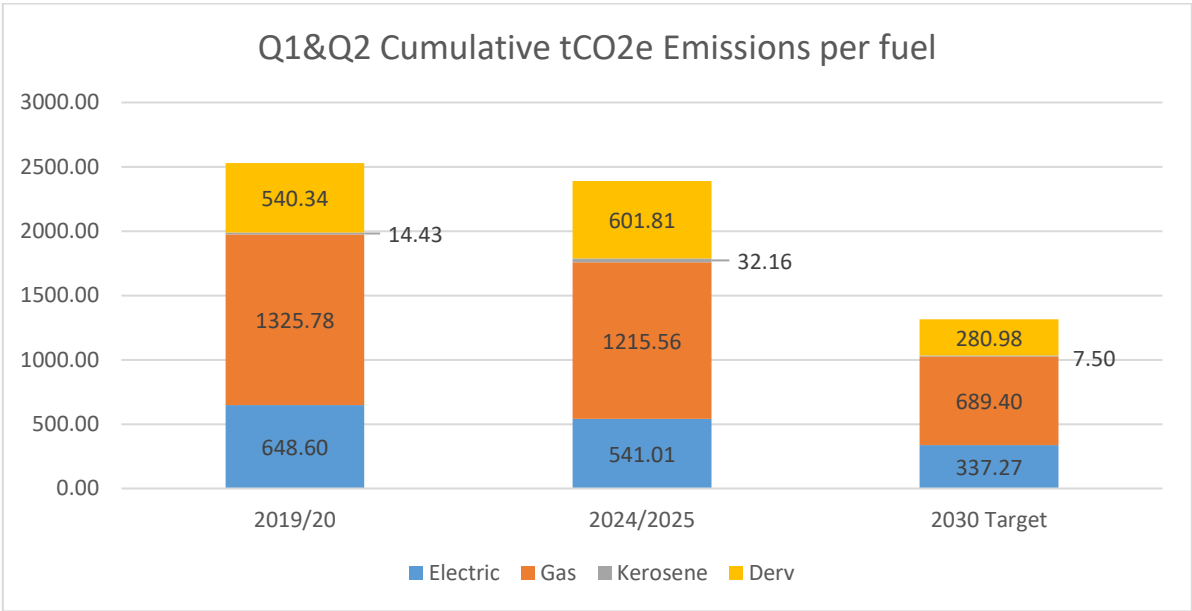
Improving oversight and accountability within the Council for energy management will ensure that consumption performance and the implementation of the Strategy and this action plan will be continuously monitored. Improved monitoring and governance will improve energy performance by ensuring actions are effectively implemented and consumption trends routinely monitored, which should result in reduced consumption, costs, and emissions.

2.0 Reporting Periods

The following is a schedule of planned routine quarterly reports that look at energy consumption against a 2019 baseline and outlines current and forthcoming energy saving initiatives and provides some detail around our progress in relation to sustainable energy management and associated carbon emission reduction targets set out in the Climate Change Act.

Period:	Reported in:
Quarter 1: April to June	September
Quarter 2: July to September	December
Quarter 3: October to December	March
Quarter 4: January to March	June

3.0 Energy Consumption for this Period



3.1 Electricity

As can be seen in the graph above our electricity consumption decreased by 16.6% for Q2 in comparison to our baseline year of 2019/2020. We have been reviewing our electric consumption year on year and have made conscious efforts to replace light fittings with LED as part of our general maintenance and also replace equipment with more energy efficient versions generally.

There has been a significant decrease in Q2 in comparison to the baseline year, and we will be aiming to reduce this further by introducing additional measures and educating staff to help us move towards the 2030 target.

3.2 Natural Gas

With regard to our natural gas consumption this reduced by 8.3% for Q2 in comparison to our baseline year of 2019/2020. This has been the result of reviewing time controls for boilers and reducing temperatures where possible. It has also been due to a number of internal reviews that led to AHU operating times being reduced to suit higher occupancy times in buildings.

3.3 Kerosene

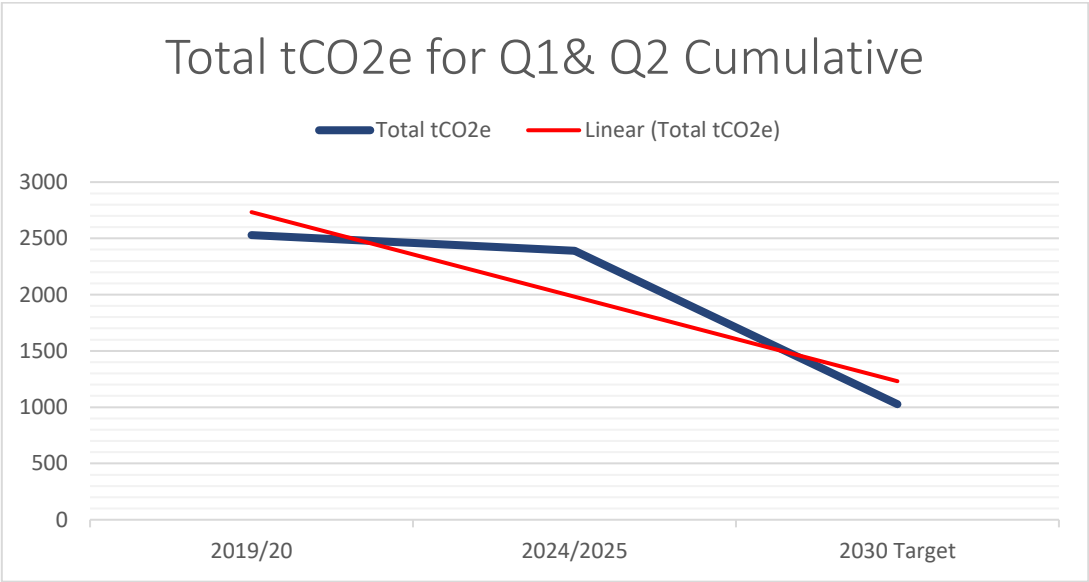
Kerosene consumption increased from the baseline year of 2019/20 for Q2, and this is similar to the buildings using electric heating. More cold snaps in the region during Q2 meant that oil fired heating boilers have had to be in operation more than is usual for that time of year.

3.4 Diesel

The figures show that we also increased the use of Derv (Diesel) in the second period of the business year in comparison to the baseline year. It is hoped that we can improve on this further in Q3.

3.5 Targets and Trends

In the graph below it shows our current overall fuel emissions for each of the periods, and the 2030 target. The Linear trendline shows the path we should be on in order to meet our 48% reduction by 2030, and it can be seen that we have some work to do to further reduce our emissions to match the trendline.



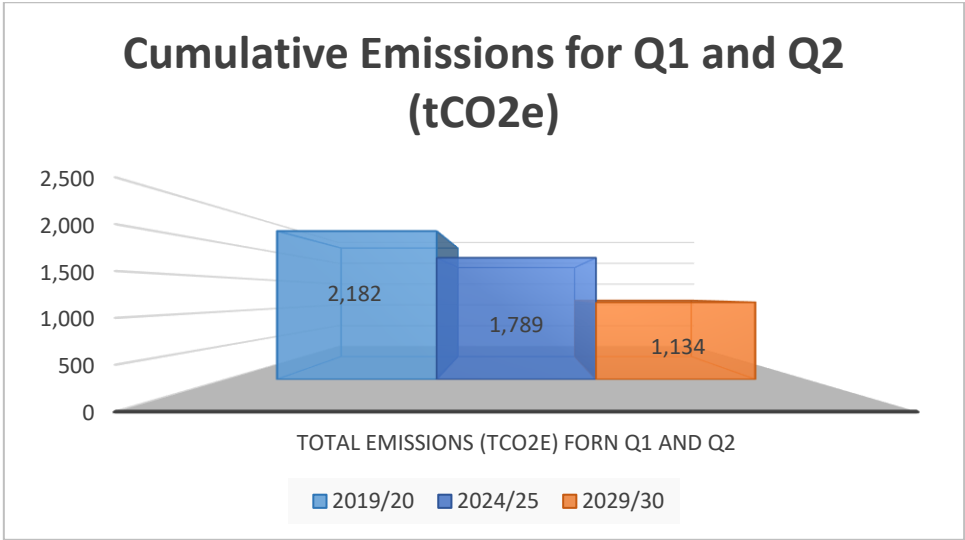
4.0 Energy Consumption Costs

The costs of the fuels can be seen in the table below for consumption in each of the years, the cost per unit of fuel has also been shown for the respective years so that the difference can be seen in the market costs.

Quarter 2	2019/20	£/unit	2024/2025	£/unit
Utility				
Electric	£149,319	£0.12	£262,040	£0.20
Gas	£154,365	£0.05	£192,088	£0.06
Kerosene	£204	£0.42	£3,093	£0.58
Derv	£194,027	£1.03	£238,934	£1.14
Total Cost	£497,916		£696,154	

5.0 Cumulative and Historic Combined Target for 2024/2025

The charts below show a cumulative total for Q1 and Q2 in 2024/25.



The chart above shows cumulative totals for Q1 and Q2 in our baseline year of 2019/20, our current year of 24/25 and what our target would be for Q1 and Q2 in 2030. It shows that so far, we have an 18% reduction in emissions for 2024/25 in comparison to our baseline year of 2019/20. This means that we need a further reduction of circa 36% over the next 5 years if we are to achieve our 48% reduction on the 2019/20 baseline figures.

5.0 Highlights of Energy Saving Initiatives Taken in This Period

- LED lighting and controls upgrade at Walled Garden Depot Work Shed
- Controls Maintenance at Londonderry Park and Hamilton Hub
- LED Lighting Replacement schemes at Community Centres
- Electric Showers, and Instantaneous Water Heaters at Ward Arras Sports Pavilion to replace existing hot water calorifiers.

- High Efficiency boiler replacements to a number of communities properties.
- Early stages of pre-planning for Data Centre at ABMWLC and Aurora for heat recovery to provide pool water heating.
- Progressing with PV installation following a cross-border grant award.
- Installation of EV charging points for small and medium vans in fleet has started at North Road Depot.

The updated Sustainable Energy Action Plan attached at Appendix 1 provides a full update on each of the actions noted.

6.0 Future Measures Currently Under Consideration/Planning

- Replacement of boilers at various Council properties and upgrade of control systems.
- Lighting control and LED replacement projects at numerous Council properties.
- PV Installation at chosen Council properties.
- Park lighting projects.
- Walk-round surveys of properties to examine existing controls and settings.
- Surveys of existing assets for insulation installation to be carried out.
- Energy targets and KPI's for service unit managers to be agreed for 2025/2026
- Possible introduction of Automatic Meter Reading (AMR) systems in highest consuming buildings

RECOMMENDATION

It is recommended that the Council notes this progress report.

Appendix 1

Ards and North Down Borough Council Sustainable Energy Management Strategy

ACTION PLAN

This action plan has been divided into the following sections/ themes:

1. Enabling Actions
2. Generic/ Behavioural Actions; and
3. Building Specific Actions

This action plan shall be for a three-year period, after which a revised action plan will be developed with further details.

It is envisaged that the follow up action plan will include more specific actions in terms of buildings and systems improvements i.e. after the actions within this plan related to further detailed surveys and feasibility studies are completed.

This initial action plan focuses on getting the systems, governance, and oversight arrangements in place within the Council to ensure effective sustainable energy management, with some specific actions also included which were identified during the high-level energy surveys.

Further update reports will include costs and timescales for the actions.

The actions presented within each of these sections/ themes are in order of priority and benefit in terms of consumption and carbon emissions reduction potential.

The actions are also classified as follows:

1. Urgent- within 6-9 months of the Actions Plan being endorsed.
2. Short Term- within 12 months
3. Medium Term- -within 24- 36 months

The Action Plan will be subject to annual review. A Progress Report shall be prepared, presented, and approved by Environment Committee.

Enabling Actions

Theme	Priority/ Lead Responsibility	Action	Rationale/ Notes	Benefit	Latest Progress Update Aug 2024									
Enhanced Energy Management Governance	Urgent Head of Assets & Property Services Director of Environment	Improve governance arrangements to ensure that energy management has effective oversight and accountability within the Council.	Improving oversight and accountability within the Council for energy management will ensure that consumption performance and the implementation of the Strategy and this action plan will be continuously monitored. Energy Management should be a standing agenda item to allow it to be regularly reviewed through the Council's 'Climate Change Working Group.	Improved monitoring and governance will improve energy performance by ensuring actions are effectively implemented, consumption trends routinely monitored, which should result in reduced consumption, costs, and emissions.	Ongoing									
Formal Energy and Carbon Management Policy	Urgent Director Of Environment	Develop a formal policy for the Council to include a requirement for space heating to be switched off during a predetermined period during the summer.	Having a formal approved policy will support energy and carbon management efforts as well as demonstrate the Council's commitment to reducing energy consumption and carbon emissions.	Enhanced Reputation (the Policy should be made publicly available) Should support efforts/ actions to reduce consumption, costs, and emissions.	All heating switched off in Council offices between May and September, with the exception of any sporadic period of cold.									
Energy check/ audit programme	Urgent Director of Environment	Introduce an energy check/ audit programme to introduce a structured review process for energy and carbon management in prioritised buildings.	Having a programme where energy checks/ audits are completed will proactively monitor performance. Key areas to review during these checks/ audits include: <ul style="list-style-type: none">○ Time and temperature set points on heating controls and building management systems (e.g. AHUs, boiler heating timers etc.)○ Lighting and equipment left on unnecessarily.○ Out of hours consumption (where aM&T systems have been installed	Reduced energy consumption and costs A thorough, robust, proactive audit programme has the potential to realise considerable savings in consumption, costs, and emissions. Estimated realistic savings of between 3-5% of energy costs. <table><tr><th>Savings</th><th>Cost</th><th>Carbon</th></tr><tr><td>3%</td><td>£62k</td><td>124T</td></tr><tr><td>5%</td><td>£104k</td><td>207T</td></tr></table>	Savings	Cost	Carbon	3%	£62k	124T	5%	£104k	207T	Ongoing
Savings	Cost	Carbon												
3%	£62k	124T												
5%	£104k	207T												

			or where half hourly electricity data is available.								
Energy and Carbon Awareness	Short term Director of Environment Director of Corporate Services Development and Administration	<p>Development and roll out of an energy and carbon awareness campaign to promote energy efficiency and carbon emissions reduction. Key content could include:</p> <ul style="list-style-type: none">○ Lighting and equipment switch off messaging.○ Heating set points○ Other key behavioural messages <p>The campaign should be designed and delivered to the following:</p> <ul style="list-style-type: none">○ All staff, via generic sessions○ Focussed sessions and materials for prioritised staff/ buildings i.e. those with high consumption e.g. leisure centres. <p>This should be completed to complement the Council’s existing Sustainability Communications Programme</p>	<p>Employee engagement in energy efficiency and carbon reduction has many benefits:</p> <ul style="list-style-type: none">○ Energy savings: Saving energy saves money and reduces an organisation’s carbon footprint.○ Employee satisfaction: participation in employee engagement schemes can make employees feel valued. Knowing that their organisation cares about sustainability can improve employee satisfaction and employee retention.○ Reputation: an employee engagement/ awareness scheme around sustainability shows that an organisation cares about both its employees and the environment. This can improve an organisation’s reputation and improve employee attraction. <p>The campaign should comprise information/ training sessions as well as the design and display of awareness messages e.g. posters/ signage with equipment and lighting switch off when not in use.</p> <p>Whilst the priority should be in higher consuming buildings, the messaging should be displayed throughout the Council Estate.</p>	<p>A well implemented employee engagement scheme can lead to energy savings of approximately 5-10%.</p> <table><tr><th>Savings</th><th>Carbon</th></tr><tr><td>5%</td><td>207T</td></tr><tr><td>10%</td><td>414T</td></tr></table> <p>It could also lead to:</p> <ul style="list-style-type: none">○ Employee satisfaction○ Council reputation <p>The campaign would also support the related commitments and actions within the Council’s wider ‘Corporate Plan’ and ‘Roadmap to Sustainability’</p>	Savings	Carbon	5%	207T	10%	414T	Plans to have focused sessions with high energy users and discuss performance for Q1 and Q2
Savings	Carbon										
5%	207T										
10%	414T										

Generic/ Behavioural Actions

Theme	Priority/ Responsibility	Action	Rationale/ Notes	Benefit	
Sustainable energy design	Urgent Director of Place plus Head of Strategic Capital Unit	Develop a Capital Projects Sustainability Policy to be agreed by Council	Consideration, in particular, should be given to the introduction of specifications which should include the following key criteria, subject to business cases: <ul style="list-style-type: none">○ Zero/ Low carbon technologies○ Effective zoning e.g. of heating and lighting systems○ Energy and carbon performance targets e.g. as set out in the BREEAM performance standard.○ Effective commissioning of key plant and equipment e.g. AHUs, low carbon/ renewable technologies○ Installation of efficient equipment, fittings, and controls e.g. boiler upgrades, LED lighting, PIR and daylight sensors, smart heating programmers, variable speed drives (VSDs) on pumps etc.	Enhanced Corporate Reputation Consumption and carbon emissions reduction and cost savings. Although the upfront costs can be higher for more sustainable new builds and refurbishments, a newly built green asset has been found to have 14% lower operational costs over five years when compared to a conventionally designed and constructed building (World Green Building Council). ¹ In addition, the briefing paper ‘Assessing carbon emissions in BREEAM’	We are implementing lighting controls and LED fittings in properties as and when we can. We are also implementing larger controls installations in larger consuming buildings to help reduce electric costs. We have started to implement boiler replacement in properties for end-of-life equipment and replacing these with high efficiency replacements.

¹ <https://bregroup.com/breeam-news/six-ways-to-get-the-most-out-of-breeam/>

			<p>Building sustainable structures not only reduces their environmental impact but also offers economic advantages.</p> <p>Sustainable buildings are more efficient and cost less to operate than conventionally built buildings.</p>	<p>published in 2016 demonstrated that the average CO2 savings for a BREEAM assessed building is 22%, whilst a BREEAM Excellent building is expected to reduce carbon emissions by 33% when compared to conventional builds.</p>	<p>We are adding zone valves into NRD for better control of zones depending on their orientation.</p> <p>PV tender review almost complete. Targeted buildings to then be implemented early in 2025. Cross border grant award PV projects are to be installed Dec 2024.</p>
Existing/ historic energy improvement quotations	<p>Urgent</p> <p>Director of Environment</p>	<p>Complete an exercise to gather all energy efficiency related upgrade quotations e.g. LED lighting upgrades, which should then be reviewed with those deemed beneficial taken forward.</p>	<p>During the completion of the review and auditing project, it was advised that quotes had been received in the past which were not taken forward.</p> <p>Such quotes received would include estimated cost savings and payback. Reviewing these and revisiting them where the projects are deemed feasible will result in consumption and cost savings.</p> <p>LEDs are more energy efficient than traditional halogen bulbs. They also last five times longer and use 80% less energy to produce the same amount of light. (Energy Saving Trust)</p>	<p>Consumption and carbon emissions reduction and cost savings should projects be implemented.</p> <p>Considering that lighting can contribute to a third of a building's overall electricity consumption, transitioning to LED lighting is a swift and budget-friendly method to cut costs.</p> <p>For example, a traditional 600x600 4x18w fluorescent fitting, when swapped with a 600x600 30w LED panel, can reduce the related electricity consumption by approximately 55%.</p> <p>In many applications, the volume of fittings in-situ can</p>	<p>Ongoing</p>

				<p>multiply these savings even further.</p> <p>Adding lighting controls, such as dimming, and PIR sensors can also increase these savings further.</p>	
Improve energy and carbon performance reporting	<p>Urgent</p> <p>Director of Environment</p>	<p>Improve availability of energy consumption and carbon emissions information to high consuming building managers e.g. Leisure Centres</p> <p>Improve reporting of energy and carbon performance through the Climate Change Working Group</p>	<p>Examples of information which could be provided include:</p> <ul style="list-style-type: none"> • Monthly reports on consumption and cost • Updates on work being completed e.g. related to actions contained within the action plan 	<p>This should promote and compliment energy awareness in the Leisure Centres and a sense of ownership to assist with energy management.</p> <p>Improved high level oversight of energy and carbon management through the Climate Change Working Group should increase the likelihood of energy improvements being realised.</p>	<p>Monthly updates are being provided for Communities buildings and for Comber Leisure Centre currently. This is to be extended to other areas and types of buildings so that we can identify the highest users and put in place plans to reduce energy consumption in these properties.</p>
Building insulation	<p>Short term</p> <p>Director of Environment</p>	<p>Complete detailed building insulation reviews to identify opportunities to upgrade to improve efficiency</p>	<p>During construction, Council policy has been to typically to install insulation to meet but not exceed, the levels stipulated by the Building Control regulations at that time. These levels have varied over time and older buildings often suffer from inadequate insulation by modern standards. There therefore may be significant opportunities to complete insulation upgrades across the Council to reduce heat loss and improve energy efficiency.</p>	<p>Reduced heating related energy consumption, costs, and carbon emissions.</p> <p>Estimated savings of 10% across 30% of the Council's Estate/ Building Stock heating costs (Natural Gas & Kerosene).</p> <p>Savings</p> <ul style="list-style-type: none"> • Costs £64.5k • Carbon 255 tonnes 	<p>Insulation to be upgraded as part of any significant refurbishment project.</p>

			Works and reviews should focus in on older buildings and those with higher heating related energy consumption. Improvements to insulation levels in buildings will also increase the potential to lower temperature set points in heating boilers due to the reduction in heat loss from those buildings.		
Space Planning/Rationalisation	Short term Corporate Leadership Team	Develop an effective space rationalisation regime to complement existing work on flexible working arrangements.	<p>Rationalisation of office and other Council space should be prioritised where possible to poorer energy performing buildings.</p> <p>Energy efficiency of existing building stock should be a key consideration for any space rationalisation efforts.</p> <p>No energy efficiency expenditure should be completed on buildings/ areas identified for closure (including those 'at risk')</p>	Closing down inefficient buildings/ areas will result in low-cost reduction in energy-related running costs, reducing consumption and carbon emissions	ongoing
Automatic Monitoring & Targeting (a M&T)	Medium term (Short term for the trial installation) Director of Environment	Install aM&T systems in prioritised buildings on key energy supply meters to monitor consumption closely and proactively on a regular basis in targeted buildings.	<p>aM&T is a key tool to proactively monitor and manage energy consumption.</p> <p>Having aM&T systems available will vastly improve the Council's energy management efforts through the timely identification of abnormal consumption patterns allowing them to be investigated and addressed quicker, resulting in reducing unnecessary consumption and costs.</p> <p>It is recommended that such a system is installed in one trial building to assess suitability e.g. on the main incoming</p>	<p>It is estimated that this technology can help identify energy savings of 4 – 20% or more, with average cost savings of 10-15% being typically realised.</p> <p>For the Council Estate, estimated carbon reduction would be on the lower side of the typical savings (estimated as 5%-10%) primarily due to the variance in the Estate's building stock.</p>	<p>Further investigation into most suitable buildings required.</p> <p>Contact has been made with an aM&T supplier and meeting /presentation to be arranged.</p>

			<p>energy supplies in one of the leisure centres.</p> <p>Linked to the need for dedicated energy management staff/ resource, aM&T systems are effective tools but only where there is enough time for them to be interrogated on a regular basis.</p> <p>aM&T systems can be purchased outright or can be installed as part of a monthly management arrangement with a specialist consultant who install the system and monitor it on a client’s behalf.</p>	<table><tr><th>Savings</th><th>Carbon</th></tr><tr><td>5%</td><td>207T</td></tr><tr><td>10%</td><td>414T</td></tr></table>	Savings	Carbon	5%	207T	10%	414T	
Savings	Carbon										
5%	207T										
10%	414T										
Wind Turbine Generator feasibility study	Medium term Director of Environment	Complete an options appraisal/ feasibility study on the potential to install wind turbine generators at Council sites.	A specialist consultant should be engaged with knowledge of planning implications to complete such an appraisal/ study.	Increased use of renewable electricity, resulting in reduced grid dependency, cost reduction and carbon emissions reduction	Further investigation required.						

Building Specific Actions

Note: buildings referenced in the Action column are presented in order of focus/ priority)

Theme	Priority/ Lead Responsibility	Action	Rationale/ Notes	Benefit	
Building Management Systems	Urgent Director of Environment	Complete detailed BMS reviews at the following locations with focus on energy efficiency to assess potential to reduce consumption through time settings, temperature settings, the installation of additional controls etc. <ul style="list-style-type: none"> ○ Ards Blair Mayne Leisure Centre ○ Bangor Sportsplex ○ Comber Leisure Centre ○ Town Hall, The Castle ○ North Road Depot 	High level reviews of existing BMSs in the locations identified have the potential to reduce energy consumption considerably. By way of example, it was noted that the Air Handling Units (AHU's) associated with the main pool area at Ards Blair Mayne were running 24 hours per day. There is an opportunity here to reduce these 'out of hours' i.e. when the facility is closed, and the pool cover is on. Similarly, there would also be potential to ramp back on the pool recirculation pumps 'out of hours'. The completion of more focussed BMS audits/ reviews are likely to identify more opportunities to reduce consumption, costs, and emissions.	Consumption, cost, and emissions reduction.	Works to be scheduled. NRD – boiler replacement scheme being carried out at present and includes updates to BMS, zoning of the building and chatterbox for gas consumption monitoring.
Boiler temperature settings	Short term Director of Environment	Complete exercises at each of the following locations to optimise the temperature settings on the heating to maximise the efficiency of the condensing boilers: <ul style="list-style-type: none"> ○ Comber Leisure Centre 	An ideal design temperature for a condensing boiler commercial heating system would be 65°C supply, 45°C return. The lower return temperature means it can operate in part-condensing mode all year round.	Reduced consumption, costs, and emissions	Ongoing

		<ul style="list-style-type: none"> Queen's Leisure Complex Donaghadee Community Centre Kilcooley Community Centre Waste Transfer Station, Baloo Drive Ards Blair Mayne (pool water and pool hall temperatures) 	<p>Although this is the most efficient setting other factors need to be considered. Such factors include:</p> <ul style="list-style-type: none"> how well the building is insulated, the pipe runs throughout the building/ building size; and potential for legionella risk. <p>To complement this action, it is therefore vital that building insulation is also upgraded to prevent heat loss and support the lowering of temperature set points on boilers.</p> <p>It is recommended that set points are gradually lowered e.g. by 1°C each time, with periods of monitoring between each lowering until the set points gets to an optimum point in terms of lower temperature set point and building comfort.</p>		
Solar Reflective/ Control film on Windows	Short term Director of Environment	Install Solar Reflective/ Control film on Windows on the Church Street building.	<p>The identified buildings were very warm during the audit visits, with staff members mentioning the overheating and comfort issues. Additional portable air conditioning had been introduced to try to address the issue (with the associated energy consumption implications).</p> <p>The application of solar film to the windows in those areas experiencing overheating will reduce solar gain and will also retain heat, thereby improving both comfort levels and efficiency.</p>	<p>Electricity consumption, costs, and emissions reduction.</p> <p>Film is a widely used solution which can result in up to 1/3 savings on associated cooling requirements/ costs for those spaces which are subject to excessive solar gain. It also has comfort benefits for space users.</p>	Quotes to be sourced in for possible install.
Pipework insulation	Short term Director of Environment	Complete insulation of pipework at the following locations:	Insulating pipework will reduce heat loss, thereby improving the efficiency of the heating systems	Electricity consumption, costs, and emissions reduction.	Quotes received with long payback periods.

		<ul style="list-style-type: none"> o City Hall, the Castle (significant lengths requiring insulation) o Ballygowan Village Hall o Marquis Hall, Bangor o Ards Blair Mayne (fit jackets to sand filters) 		Generally, maximum savings of 10-20% can be realised. This however depends on the length of uninsulated pipe run, pipe/ valve size etc.	
Solar PV	Short term Director of Environment	Consider the installation of Solar PV at the following locations: <ul style="list-style-type: none"> o Ards Blair Mayne Leisure Centre o Bangor Sportsplex (add to existing system and check that existing system is operational) o Queen's Leisure Complex o Londonderry Park o Donaghadee Community Centre o Hamilton Road Community Hub o Manor Court Community Centre o Queen's Hall o Recycling Centre, Bangor o Skipperstone Community Centre o Glen Community Centre o Portavogie Community Centre o Green Road Community Centre o Alderman Green Community Centre o Kircubbin Community Centre 	Engage a specialist installer or independent solar consultant to design/ specify systems for each building which optimises the amount of generated renewable electricity used on site, thereby minimising grid electricity use and avoidance of associated carbon emissions. Designs/ specifications should be developed using half hourly consumption/ load data. There is likely to be potential to install additional PV systems at sites with such systems already installed. Consideration should also be given to the 'future proofing' of any installations i.e. to facilitate the introduction of battery storage systems once the technology is more commercially available.	Increased use of renewable electricity, resulting in reduced grid dependency, cost reduction and carbon emissions reduction	Costs Received for Ards Blair Mayne and North Road Works Depot for the year 2024/2025. Also grant awarded for PV installation at the Walled Garden Depot in Bangor and North Road Depot Portacabin. Quote required for other selected sites for the 2024/125 business year. PV Tender now returned and being reviewed. Projects estimated to start early 2025.

		<ul style="list-style-type: none"> ○ North Road Works Depot ○ Kilcooley Community Centre ○ Whitechurch Cemetery ○ 2 Church Street ○ Clandeboye Cemetery ○ Conlig Community Centre 			
Northern Community Leisure Trust (Serco) Operated Facilities	Medium term Director of Environment	Completion of energy assessments for each building/ facility	<p>The completion of the assessments will ensure opportunities to optimise consumption are identified an</p> <p>Due to the nature of the facilities multiple leisure sites and pavilions), these are high consuming buildings and as such have the potential for good energy reduction opportunities to be identified.</p> <p>Efforts should focus on BMS settings and controls on key plant such as AHUs, pumps etc. and the potential to upgrade existing inefficient fittings e.g. lighting as well as introduce/ increase the use of low/ zero carbon technologies such as solar PV.</p>	Identification of reduction and other opportunities prior to facility handover and assessment of priority to rectify in terms of energy cost, consumption, and emissions reduction.	TBC
Boiler replacement	Medium term Director of Environment	Upgrade the following, less efficient heating boilers to improve the efficient use of energy: <ul style="list-style-type: none"> ○ Bangor Sportsplex ○ Comber Adult Learning Centre ○ Green Road Community Centre ○ Groomsport Boathouse ○ Kircubbin Community Centre ○ Manor Court 	<p>Upgrading to a more efficient heating boiler should result on average 5-10% energy efficiency improvement benefits and subsequent reduction in consumption, costs, and emissions.</p> <p>These upgrades should be prioritised based on consumption and building use/ occupancy levels at each location.</p> <p>Upgrades should be completed after consideration has been given to the fuel</p>	Consumption, cost, and emissions reduction.	Boiler Replacement Schemes are in place to start at Manor Court, North Road Depot, Clandeboye Cemetery, Bangor Cemetery, Abbey Gate Lodge. Costs received for plate heat exchanger installation at Ards Blair Mayne.

		<ul style="list-style-type: none"> ○ Portavogie Community Centre ○ Queen's Hall ○ Skipperstone Community Centre ○ North Road Depot ○ Ards Blair Mayne (replace existing hot water boilers with plater heat exchangers) 	switching action point in locations using kerosene.		
Low carbon fuel replacement	Medium term Director of Environment	Complete a feasibility review to assess potential to migrate to lower carbon fuels at the following locations: <ul style="list-style-type: none"> ○ Bangor Sportsplex ○ Kircubbin Community Centre ○ Portavogie Community Centre ○ Queen's Hall ○ Skipperstone Community Centre 	<p>The highlighted location <u>s</u> uses <u>s</u> Kerosene as a heating fuel, which is a high carbon fuel when compared to others currently available.</p> <p>Lower carbon options include:</p> <ul style="list-style-type: none"> ○ Natural Gas- limitations on availability may restrict this option. ○ Propane- this could be utilized where natural gas is not available. ○ BioLPG- a lower carbon alternative to 'virgin' propane, though it is a higher cost fuel. ○ Electric- electrification of heating in buildings could be considered, particularly along with the installation of solar PV. <p>This action focuses on carbon reduction. Cost savings may be realized but its focus is more on reducing the Council's carbon emissions.</p>	<p>Reduced carbon emissions</p> <p>Currently, LPG costs are comparable with natural gas and kerosene costs. The benefit would be on lowering carbon emissions.</p> <p>BioLPG costs are approximately 15-20% higher than standard LPG.</p> <p>Carbon emissions associated with standard LPG are approximately 40% less carbon intensive than kerosene.</p> <p>BioLPG is effectively zero carbon rated.</p>	Review will start upon completion of the installation of above boilers.

Lighting upgrades to LED equivalents	Medium term Director of Environment	Complete lighting upgrades to LED equivalents (and install PIR/ daylight controls) in the following buildings: <ul style="list-style-type: none"> ○ Baloo Waste Transfer Station (T5 fittings in the main waste 'shed') ○ Bangor Sportsplex (internal lighting T8 & pitches to LED) ○ Glen Community Centre (T8 fittings) ○ Kilcooley Community Centre (install PIRs to existing LED) ○ Kircubbin Community Centre (T8) ○ Church Street Office ○ Comber Adult Learning Centre ○ Conlig Community Centre ○ Alderman George Green Community Centre (PIR) ○ Redburn Community Centre ○ Tower House (PIR) ○ Portavogie Community Centre (PIR) ○ Queen's Hall (PIR) ○ Queen's Leisure Complex (PIR) ○ Manor Court (T5 fittings to be replaced with LED) ○ City Hall, The Castle (existing fittings to be 	Upgrading to LED lighting as well as introducing automated PIR and/ or daylight sensors will reduce electricity consumption, costs, and emissions. LED fittings also reduce 'whole life' maintenance costs due primarily to their longer life spans.	Electricity consumption, costs, and emissions reduction Typical savings of 30% can be realised through the installation of PIR controls and LED lighting when compared with older fittings.	Works almost complete for lighting controls installation at Ards Blair Mayne. Software to be programmed by December 2024. Awaiting costs for North Road Depot replacement of remaining fluorescent lights. Cost received for Aurora Leisure Centre for full replacement, but currently working through zone by zone to replace light fittings and controls.
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		replaced with LED and controls) ○ Ards Blair Mayne (microcell and PIR sensors fitted and time control added) ○ North Road Depot (fit LED lighting to all other areas that currently do not have LED) ○ Aurora (LED replacements of fluorescent and microcell/PIR controls)			
Electric Storage Heaters	Medium term Director of Environment	Complete upgrades to more efficient alternatives to existing, aged storage heater units in the following locations: ○ Ards Arts Centre (partial replacement) ○ North Down Museum ○ Portaferry Market House	Move to more efficient storage heaters will reduce consumption.	Electricity consumption, costs, and emissions reduction	Review will start upon completion of the installation of above boilers to investigate alternatives physically and feasibly possible at selected sites.
Glazing upgrades	Medium term Director of Environment	Complete glazing upgrades to the following buildings. Replace single glazing with double glazing: ○ Queen's Hall, Newtownards Install secondary glazing in the following listed buildings:	Upgrading glazing at the identified locations will reduce heat loss from the buildings, thereby improving energy efficiency.	Electricity consumption, costs, and emissions reduction. Glazing upgrades from single pane reduces heat loss from the respective areas being upgraded. Up to 15% savings on heating costs in those areas can be realised.	

		<ul style="list-style-type: none">○ Town Hall, the Castle○ Ards Arts Centre○ North Down Museum○ Portaferry Market House (1st Floor)○ Tower House			
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