

Waste Data Report

Aithisg Dàta Sgudail



2010 - 2011

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Foreword / Facal Toisich

During 2010-11, there has been a further period of consolidation and preparation for further expansion to the services offered. The recycling rate has plateaued at 34%. Since last year's waste data report, with no new services being offered the recycling rate has dropped by 0.5 percentage points

The rural kerbside recycling service has now been running for over 2 years and has been well received by residents. Preparation work for the roll out of Alternate Weekly Collection took up a lot of staff time, with a trial collection starting in Skye & Lochalsh in September 2010. This was well received by residents and provided useful experience for the work carried out in 2011.

Highland continues to maintain its position in the third quartile of local authorities. The top seventeen Councils are now achieving over 40% recycling with the Scotland wide recycling rate just over 38%.

There has been no increase in waste this year with an actual reduction of 2.0% compared with the previous year.

The Government drive for Scotland to move towards a "zero waste" society is a new direction for waste policy in Scotland. I had the pleasure in attending the launch of the Zero Waste Plan Consultation in Inverness in August 2009. The Highland Council is participating in this process and working towards the targets set out over the next 15 years.

Zero Waste Regulations 2011 Consultation was launched in January.

Councillor J. Laing
Chairman for TEC Services

Executive Summary / Geàrr-chunntas Gnìomhach

In 2010/11, overall waste arisings reduced by 2.0%; the Highland recycling rate decreased to 34.0% and tonnage to landfill decreased by 1.0%. With another year on year drop in waste arisings, it appears that the recession still continues to affect waste and recycling trends across the board. **Figure 1** below shows the year on year changes in headline figures.

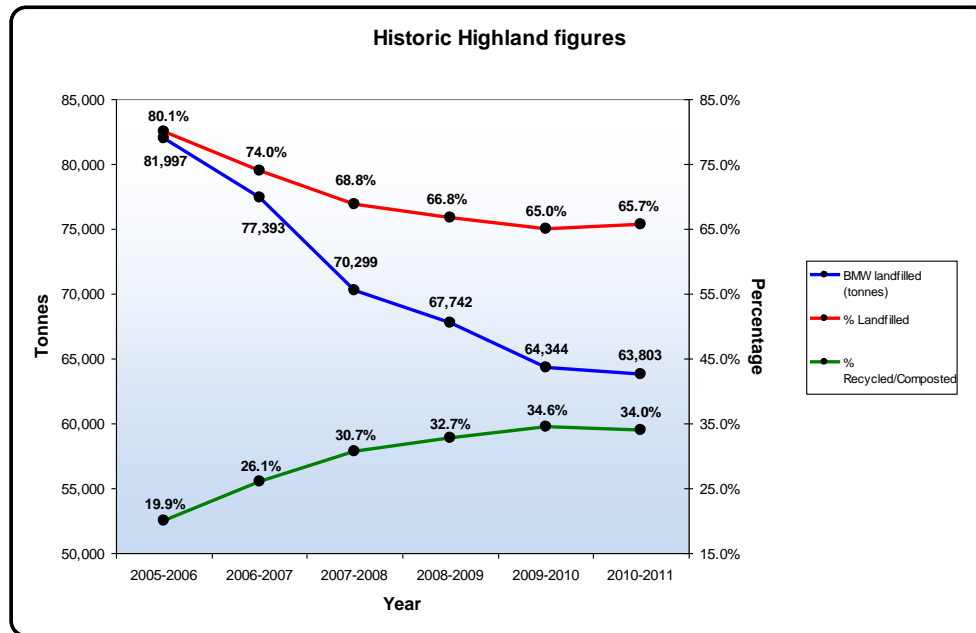


Figure 1 - Highland Council performance for Arisings, Landfill & Recycling

In terms of actual tonnage recycled, the Council as a whole recycled 52,789 tonnes of waste including 19,224 tonnes of composted material; 3,812 tonnes of comingled recyclate and 8,011 tonnes of soil and stones.

The Highland Council's six active social sector partners, contributed 3,466 tonnes to this total (2.2 percentage points). This is a slight increase on the previous year's tonnage of 3516 tonnes. The main changes have seen more books and bric a brac being collected and less furniture and textiles.

Final disposal arrangements for residual waste are provided through a combination of Council operated landfill sites (handling 20% of the waste) and privately owned landfill sites (handling 80% of the waste). The Highland Council has only two operational landfills and sends waste to another three private landfills (two of which are out with Highland).

The majority of recyclable materials collected by, or on behalf of the Council are sent to external reprocessors and merchants. A major exception is green waste, where around 10% is composted at our Seater landfill site for use as a soil conditioner for the restoration of the site. The majority of the remaining material is delivered to the Longman where it is shredded before being transferred to complete the composting process on a collection of farms in Nairnshire, where it is used as a soil conditioner and stabiliser.

Introduction / **Ro-ràdh**

This report details the Highland Council's waste data from 2010/2011. It provides useful reference material for anyone with an interest in waste management and waste statistics.

The report's introductory section summarises the key drivers and the current waste initiatives and issues which are shaping the evolving waste strategy, together with summary information on demographics.

The first data section examines performance against the multiple targets The Council has been set. The second section compares The Council's performance in 2010/2011 to other local authorities. The third section examines the achievements in more detail.

Finally the report details the sources and destinations of waste and recyclables.

Key Drivers / *Priomh Stiùirean*

The Landfill Directive, as it relates to the diversion of biodegradable waste from landfill, was transposed into domestic law in 2005. The Scottish Executive subsequently derived and issued landfill allowances to local authorities in Scotland.

Zero Waste Regulations

On the 9th February 2011 the Scottish Government unveiled the update on the Zero Waste Plan and issued a consultation on the proposed Zero Waste (Scotland) Regulations¹.

The proposed regulations take a two pronged approach: (a) to maximise recycling and (b) to maximise resource recovery and protect the environment through treatment of unsorted waste. Scottish Government therefore proposes regulations to require:

1. Source segregation and separate collection of the key recyclable materials.

These materials are paper and card, glass, metals and plastics. Food waste is also targeted due to the environmental benefits of managing biowastes separately. Source segregation is a crucial component of a successful recycling strategy because it enables the quality of the materials to be maintained. Making source segregation and separate collection a statutory duty aims to maximize the quantities of high quality materials available for

¹ The Council's response to the consultation can be accessed via the following link:
<http://www.scotland.gov.uk/Publications/2010/01/25155012/190>

reprocessing. This will provide additional support for the recycling industry by helping to secure supplies of high value materials.

2. A ban on mixing separately collected recyclable materials.

Once recyclable materials have been segregated, they must be managed in a way which does not compromise their quality. The proposed regulations will give SEPA statutory powers to include conditions in environmental permits to make sure that source segregated materials are not mixed with other wastes or materials in a way which would hinder their recycling potential.

3. A ban on landfilling the key recyclable materials.

This supports the upstream measures taken to maximise levels of quality recycling by banning those same materials from landfill when source segregated and separately collected.

4. A restriction on the inputs to energy from waste (EfW) facilities.

Not all recyclable waste is segregated at source and in some cases it will end up in the unsorted waste stream. To ensure waste materials which could have been reused or recycled are not incinerated, EfW inputs will be restricted, through the environmental Permit, to residual waste and other suitable single stream wastes such as contaminated wood. This restriction means that unsorted waste will not be able to go directly for EfW without first being pre-treated. This provides a second opportunity to remove recyclate missed at the source segregation stage and ensure that Scotland does not simply move from mass landfill to mass incineration.

5. A property based ban on waste disposed of to landfill based on organic content.

This is proposed in order to protect the environment from the potential impacts of landfilling biodegradable waste. This will reduce both the volumes and biodegradability of waste being sent to landfill.

Corporate Plan / *Plana Corporra*

The Council's Programme

The Council has produced a Corporate Plan to mirror the priorities of the Programme of The Highland Council 2009-2011, entitled Strengthening the Highlands. The Council aims to create sustainable communities with more balanced population growth and economic development across the Highlands and to build a fairer and healthier Highlands. The Programme contains a total of 93 commitments across five main themes and a further 18 actions to work with the Scottish and UK Governments. Those relating to waste are shown below:-

1. Develop sustainable options for waste treatment within the Highlands and put measures in place to reduce the amount of residual waste disposed of in landfill outside the Highlands by 26,500 tonnes by 2013
2. Increase the amount of waste recycled in the Highlands to 50% by 2013
3. Introduce a programme of alternate weekly collection of municipal waste by April 2012
4. Limit the amount of biodegradable waste going to landfill
5. We will purchase less paper for Council offices and provide recycling facilities in all office by 2012

The Council has made some progress on the above actions, although not all have been achieved yet. Residual waste disposed of in landfill outwith the Highlands has decreased by around 5,000 tonnes since 2007/2008. The Council's waste disposal contracts in the Inner Moray Firth and Skye & Lochalsh currently amount to nearly 70% of all waste landfilled. Other than requiring this waste to be disposed of in a licensed site conforming to duty of care requirements and the landfill regulations, The Council has very little control of where in the country this waste is disposed.

Biodegradable municipal waste (BMW) to landfill is on a downward trend, decreasing by almost 6,500 tonnes since 2007/2008.

Alternate weekly collections rollout has begun, with Skye & Lochalsh starting in September 2010. The service has so far been received very well, and continues to collect high quality dry recycling from the kerbside. The timetable is on track to deliver alternate weekly collections to the majority of households and commercial customers in Highland by April 2012.

Benchmarking / Deuchainn-luathais

As a local authority, The Council is required to report its waste data to the Scottish Environmental Protection Agency (SEPA) on a quarterly basis via an online database called "WasteDataFlow". As a reporting mechanism, WasteDataFlow allows regulatory authorities such as SEPA, the Environment Agency (England & Wales) and the Environment & Heritage Service (Northern Ireland) to keep accurate information on progress towards UK and EU waste reduction targets. This service can also be a useful tool to The Council in that it allows us to compare our information with other authorities, often valuable when considering options for additional service delivery. A degree of information is also available to interested members of the public if they wish to register for access. A quarterly summary of Scotland's overall performance broken down per local authority is produced by SEPA in the Landfill Allowance Scheme (LAS) section of their website² which The Council can use to establish its overall position within Scotland.

Recycling Rates/Tonnages *Reataichean / Tunnaichean Ath-chuairteachaidh*

From a recycling rate of virtually zero in 2002/2003, Highland Council has made steady progress towards the goals it has been set by the Scottish Government. The target of recycling 40% of all municipal waste by 2010 has not been achieved but the extension of the AWC service will significantly increase recycling opportunities for households.

The following two tables show Highland's recycling rate in the last four years, which allows us to compare with all of Scotland's 32 local authorities. While the Highland recycling rate dropped by 0.5 percentage points last year, the Scotland average increased by 1.5 percentage points. **Table 1** shows Highland's performance in relation to its family group while **Table 2** shows Highland's position overall.

Rank	Local Authority	Apr 2007 - Mar 2008	Apr 2008 - Mar 2009	Apr 2009 - Mar 2010	Apr 2010 - Mar 2011	Increase/ Decrease (%pts)
1	Perth & Kinross	35.9	37.6	42.4	46.7	4.3
2	Argyll & Bute	34.8	36.3	41.3	41.5	0.2
3	Scottish Borders	33.5	36.0	37.8	39.9	2.1
4	Dumfries & Galloway	31.1	36.3	36.7	39.4	2.7
5	Highland	30.7	32.7	34.6	34.0	-0.5
6	Aberdeenshire	31.2	32.3	33.3	32.4	-0.9
7	Orkney	28.7	29.5	27.9	29.4	1.5
8	Eilean Siar	20.8	18.6	21.2	19.6	-1.6
9	Shetland Islands	19.2	22.7	19.3	19.5	0.2
	TOTAL SCOTLAND	31.7	34.3	36.70	38.20	1.5

Table 1 – Highland recycling rate comparison with 'rural' family group (2010/2011)

² Accessible at http://www.sepa.org.uk/waste/waste_data/waste_data_reports/landfill_allowance_scheme.aspx

Rank	Local Authority	Apr 2007 - Mar 2008	Apr 2008 - Mar 2009	Apr 2009 - Mar 2010	Apr 2010 - Mar 2011	Increase/ Decrease (%pts)	Position change (09/10 - 10/11)
1	Clackmannanshire	42.2	44.9	46.7	49.8	3.1	▶
2	Falkirk	36.0	40.8	42.8	49.3	6.5	▲5
3	Fife	39.1	43.0	45.4	48.1	2.7	▼1
4	Stirling	38.7	41.5	43.5	47.5	4.0	▶
5	Perth & Kinross	35.9	37.6	42.4	46.7	4.3	▲3
6	East Renfrewshire	35.0	38.4	36.0	45.4	9.4	▲15
7	Midlothian	35.8	37.4	41.2	44.1	2.9	▲5
8	East Ayrshire	41.8	42.1	43.0	43.9	0.9	▼3
9	North Ayrshire	31.1	35.7	40.8	43.5	2.7	▲5
10	East Lothian	35.4	38.4	40.9	43.4	2.5	▲3
11	West Lothian	34.2	41.8	42.2	43.3	1.1	▼2
12	North Lanarkshire	31.8	38.7	42.9	43.2	0.3	▼6
13	Renfrewshire	30.1	30.5	37.4	42.8	5.4	▲6
14	South Ayrshire	43.1	41.3	44.1	42.7	-1.4	▼11
15	Moray	44.0	43.9	41.5	42.4	0.9	▼5
16	Argyll & Bute	34.8	36.3	41.3	41.5	0.2	▼5
17	East Dunbartonshire	32.2	32.8	35.1	40.4	5.3	▲5
18	Scottish Borders	33.5	36.0	37.8	39.9	2.1	▶
19	Dumfries & Galloway	31.1	36.3	36.7	39.4	2.7	▲1
20	West Dunbartonshire	32.4	32.1	30.9	38.3	7.4	▲6
21	South Lanarkshire	37.0	37.0	40.1	38.2	-1.9	▼6
22	Angus	34.7	35.8	39.1	36.7	-2.4	▼5
23	Dundee	33.0	36.1	40.1	34.6	-5.5	▼7
24	Highland	30.7	32.7	34.6	34.0	-0.5	▼1
25	Aberdeenshire	31.2	32.3	33.3	32.4	-0.9	▼1
26	Aberdeen	22.2	23.4	26.8	31.7	4.9	▲3
27	Edinburgh	27.1	30.1	31.5	31.5	0.0	▼2
28	Inverclyde	21.9	28.0	30.3	31.5	1.2	▼1
29	Orkney	28.7	29.5	27.9	29.4	1.5	▼1
30	Glasgow	18.1	19.9	21.6	24.0	2.4	▶
31	Eilean Siar	20.8	18.6	21.2	19.6	-1.6	▶
32	Shetland Islands	19.2	22.7	19.3	19.5	0.2	▶
TOTAL SCOTLAND		31.7	34.3	36.7	38.2	1.5	

Table 2 - Local authorities ranked by rolling recycling rate (2010/2011)

While not a strict indicator of performance, **Table 3** below shows the number of tonnes recycled by each authority in Scotland. Ranked by percentage increase in tonnes recycled, it shows that Highland dropped back compared to other authorities and lay 25th in 2010/2011. Highland Council are ranked 6th overall in Scotland for the total tonnes diverted to recycling, whilst also managing the 6th largest total waste arisings. This decrease in tonnes recycled is due in part to a decrease in recyclate extracted from residual waste coupled with an overall reduction in waste arisings.

Rank	Local authority	Apr 2007 - Mar 2008 (tonnes)	Apr 2008 - Mar 2009 (tonnes)	Apr 2009 - Mar 2010 (tonnes)	Apr 2010 - Mar 2011 (tonnes)	Increase/ Decrease (%)
1	West Dunbartonshire	19,422	17,062	15,023	18,356	22.2
2	East Renfrewshire	19,582	20,443	18,214	21,321	17.1
3	Renfrewshire	29,441	28,362	34,543	39,452	14.2
4	Falkirk	36,788	39,127	38,895	44,389	14.1
5	Glasgow	65,637	69,032	70,743	80,388	13.6
6	Aberdeen	30,801	30,942	33,166	37,471	13.0
7	Stirling	21,222	22,181	22,381	24,732	10.5
8	East Dunbartonshire	24,111	23,718	24,350	26,686	9.6
9	Fife	98,491	106,520	111,771	122,259	9.4
10	Dumfries & Galloway	31,245	34,414	34,322	37,361	8.9
11	Perth & Kinross	38,042	37,037	40,392	43,328	7.3
12	Orkney	4,274	4,366	4,284	4,588	7.1
13	Moray	28,289	27,992	26,793	28,262	5.5
14	North Ayrshire	28,131	31,413	34,886	36,768	5.4
15	Clackmannanshire	15,015	15,052	14,821	15,615	5.4
16	West Lothian	37,543	46,228	45,934	47,482	3.4
17	Midlothian	18,695	19,200	19,893	20,548	3.3
18	Inverclyde	11,346	13,822	14,195	14,601	2.9
19	Scottish Borders	25,791	26,492	26,681	27,008	1.2
20	East Lothian	24,802	26,174	26,977	26,886	-0.3
21	Aberdeenshire	47,982	48,625	50,236	49,933	-0.6
22	East Ayrshire	30,819	30,280	30,912	30,351	-1.8
23	Edinburgh	68,331	72,912	71,309	69,947	-1.9
24	Shetland Islands	2,266	2,633	2,704	2,611	-3.4
25	Highland	50,406	52,739	54,752	52,789	-3.6
26	Argyll & Bute	21,698	21,656	23,780	22,895	-3.7
27	North Lanarkshire	75,816	86,957	95,347	89,583	-6.0
28	Eilean Siar	4,032	4,407	4,699	4,373	-6.9
29	South Ayrshire	38,222	33,924	36,915	33,079	-10.4
30	Angus	27,112	27,700	30,007	26,802	-10.7
31	South Lanarkshire	75,611	72,109	76,222	67,562	-11.4
32	Dundee	31,480	33,876	38,474	32,808	-14.7
TOTAL SCOTLAND		1,082,443	1,127,395	1,173,621	1,200,234	2.3

Table 3 - Local authorities ranked by increase/decrease in tonnage recycled (2010/2011)

Landfill / *Lionadh Talmhainn*

One of the primary goals of Scottish Government and EU Directives is of course to reduce dependency on landfill, hence decreasing emissions of green house gases such as methane into the environment. A direct result of recycling more and more of our waste should lead to reduction in landfill, and **Table 4** below shows these reductions over the past 4 years in Scotland. Highland Council has reduced its dependence on landfill by 1.0% in relation to the previous year.

Rank	Local authority	Apr 2007 -	Apr 2008 -	Apr 2009 -	Apr 2010 -	Increase/ Decrease (%)
		Mar 2008 (tonnes)	Mar 2009 (tonnes)	Mar 2010 (tonnes)	Mar 2011 (tonnes)	
1	Shetland Islands	927	687	720	389	-46.0
2	East Renfrewshire	36,301	32,697	31,919	25,085	-21.4
3	Dumfries & Galloway	67,409	45,751	48,880	40,251	-17.7
4	East Dunbartonshire	50,830	48,498	44,951	39,317	-12.5
5	Falkirk	65,477	56,866	52,085	45,733	-12.2
6	West Dunbartonshire	40,573	36,081	33,527	29,570	-11.8
7	Aberdeen	107,658	101,136	90,800	80,578	-11.3
8	Perth & Kinross	67,292	60,625	54,208	48,699	-10.2
9	East Lothian	45,174	42,006	38,976	35,100	-9.9
10	Orkney	3,531	3,753	4,142	3,755	-9.3
11	Renfrewshire	68,364	64,661	57,755	52,502	-9.1
12	Clackmannanshire	20,563	18,481	16,851	15,389	-8.7
13	Midlothian	33,576	32,084	28,350	26,073	-8.0
14	Scottish Borders	51,123	46,978	43,584	40,230	-7.7
15	North Lanarkshire	162,393	137,742	126,980	117,377	-7.6
16	Stirling	33,636	31,324	29,047	27,319	-5.9
17	North Ayrshire	62,314	56,550	50,632	47,715	-5.8
18	South Ayrshire	50,372	48,316	46,825	44,211	-5.6
19	East Ayrshire	42,989	41,650	40,993	38,718	-5.5
20	Angus	37,792	37,325	33,317	31,725	-4.8
21	Argyll & Bute	40,611	38,068	33,736	32,248	-4.4
22	South Lanarkshire	128,878	122,637	113,641	109,459	-3.7
23	Inverclyde	40,526	35,526	32,626	31,824	-2.5
24	Edinburgh	183,695	169,271	155,239	151,826	-2.2
25	Fife	153,586	141,302	134,653	131,731	-2.2
26	West Lothian	72,024	64,245	62,796	62,141	-1.0
27	Highland	113,057	107,649	103,005	101,932	-1.0
28	Glasgow	297,404	278,230	256,244	254,518	-0.7
29	Moray	36,043	35,795	37,738	38,396	1.7
30	Eilean Siar	15,324	19,240	17,295	17,783	2.8
31	Aberdeenshire	105,750	101,746	98,262	103,771	5.6
32	Dundee	21,470	19,468	15,349	18,967	23.6
TOTAL SCOTLAND		2,256,662	2,076,388	1,935,126	1,844,332	-4.7

Table 4 – Local authorities ranked by increase/decrease in tonnage landfilled (2010/2011)

Arisings / *Sgudal Gnìomhachais*

It is interesting to analyse the relationships between all these indicators and the total arisings per head of population. Highland Council has relatively high levels of waste generated per head of population. This is in part due to the commercial waste collected, as there are no alternative contractors in some areas to deal with waste from business, thus increasing the total waste arisings in relation to other local authorities. **Table 5** below shows the changes in authority arisings between 2008/2009 and 2010/2011.

Rank	Local authority	Apr 2008 - Mar 2009 (tonnes)	Apr 2009 - Mar 2010 (tonnes)	Apr 2010 - Mar 2011 (tonnes)	Population (June 10 est)	Kg/person /year	Increase/D ecrease in arisings (%)
1	South Ayrshire	82,240	83,740	77,501	111,440	695.45	-7.5
2	East Renfrewshire	53,247	50,553	46,999	89,540	524.89	-7.0
3	North Lanarkshire	224,699	222,397	207,166	326,360	634.78	-6.8
4	South Lanarkshire	194,746	189,864	177,021	311,880	567.59	-6.8
5	East Lothian	68,182	65,953	61,986	97,500	635.75	-6.0
6	Angus	77,369	76,780	72,965	110,570	659.90	-5.0
7	Aberdeen	132,078	123,966	118,049	217,120	543.70	-4.8
8	East Dunbartonshire	72,215	69,301	66,004	104,580	631.13	-4.8
9	Shetland Islands	11,624	13,996	13,365	22,400	596.65	-4.5
10	Argyll & Bute	59,724	57,516	55,143	89,200	618.20	-4.1
11	East Ayrshire	71,931	71,905	69,069	120,240	574.43	-3.9
12	Scottish Borders	73,617	70,498	67,749	112,870	600.24	-3.9
13	Midlothian	51,284	48,242	46,621	81,140	574.57	-3.4
14	Perth & Kinross	98,374	95,201	92,808	147,780	628.01	-2.5
15	Edinburgh	242,247	226,601	221,865	486,120	456.40	-2.1
16	Highland	161,146	158,451	155,213	221,630	700.32	-2.0
17	West Dunbartonshire	53,143	48,550	47,927	90,570	529.17	-1.3
18	Clackmannanshire	33,533	31,767	31,368	50,630	619.55	-1.3
19	North Ayrshire	87,963	85,518	84,483	135,180	624.97	-1.2
20	Dundee	93,956	95,904	94,946	144,290	658.02	-1.0
21	Falkirk	95,993	90,980	90,122	153,280	587.96	-0.9
22	Inverclyde	49,348	46,820	46,424	79,770	581.97	-0.8
23	Renfrewshire	93,023	92,298	92,123	170,250	541.10	-0.2
24	Eilean Siar	23,647	22,211	22,263	26,190	850.06	0.2
25	West Lothian	110,520	108,936	109,783	172,080	637.98	0.8
26	Stirling	53,506	51,429	52,051	89,850	579.31	1.2
27	Dumfries & Galloway	94,697	93,594	94,864	148,190	640.15	1.4
28	Orkney	14,776	15,354	15,604	20,110	775.93	1.6
29	Aberdeenshire	150,372	151,010	154,167	245,780	627.26	2.1
30	Glasgow	347,262	326,987	334,906	592,820	564.94	2.4
31	Fife	247,823	246,424	253,990	365,020	695.82	3.1
32	Moray	63,787	64,531	66,659	87,720	759.91	3.3
TOTAL SCOTLAND		3,288,072	3,197,277	3,141,204	5,222,100	601.5	-1.8

Table 5 – Change in total waste arisings per local authority between 2008/2009 and 2010/2011

Area Recycling Rates / *Reataichean Ath-chuairteachaidh Sgìreil*

As in previous reports, the recycling rates will be reported in the waste management operational areas for ease of comparison. Some recycling point data is available by ward on **Page 41** and more general information unrelated to waste management can be found at the link below³. It should be noted that even at the level of waste management operational areas, the accuracy of any figures should not be taken literally, but as a rough guide.

Each of the areas are listed below along with basic waste information in

Table 6. Recycling rates are largely dependent on the facilities provided in the area, for example kerbside collection service and coverage, and the availability of recycling centres and recycling points. While a standard, Council wide recycling strategy would be ideal, the Highland geography and demographics makes this very difficult. The Highland area varies greatly in population density and topography which necessitates varying collection types and frequencies.

Area	Total landfilled	Total treated EfW	Total recycled	Total arisings	Recycling rate 2010/2011
Badenoch & Strathspey	6,411	0	3,649	10,060	36.3%
Caithness	12,668	0	5,468	18,135	30.1%
Inverness	30,838	0	18,932	49,769	38.0%
Lochaber	10,811	0	4,366	15,177	28.8%
Nairn	4,157	0	3,660	7,817	46.8%
Ross & Cromarty	23,324	0	12,755	36,079	35.4%
Skye & Lochalsh	6,736	183	1,919	8,839	21.7%
Sutherland	6,988	309	2,040	9,337	21.8%
TOTAL	101,932	492	52,789	155,213	34.0%

Table 6 - Recycling rates per individual Highland area

³ Highland Council Ward Information - <http://www.highland.gov.uk/yourcouncil/yourward/>

Home Composting / Dèanamh Todhar aig an Taigh

The number of home composters sold, more than halved in 2010/2011 in comparison with the previous year. A total of 1,114 units were purchased, with the 330 litre Compost Converter version being the most popular. After eleven years, this subsidised scheme ended in December 2010. It has proved to be very popular, increasing the diversion of household refuse and garden waste, and reducing The Council's waste arisings. The scheme distributed a staggering 41,236 units to Highland households between 2001 and 2010. (see **Figure 2 & Figure 3**).

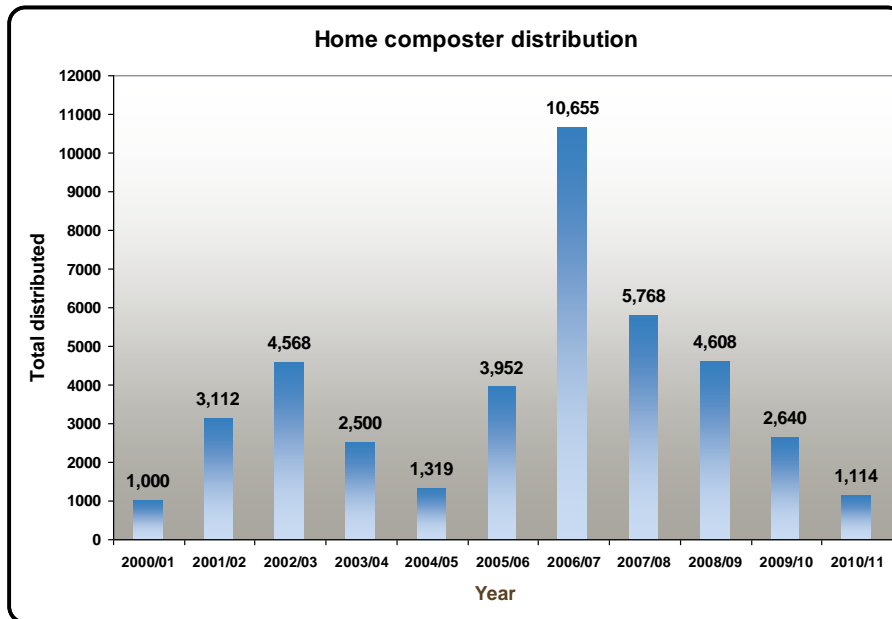


Figure 2 - Number of home composters distributed per financial year

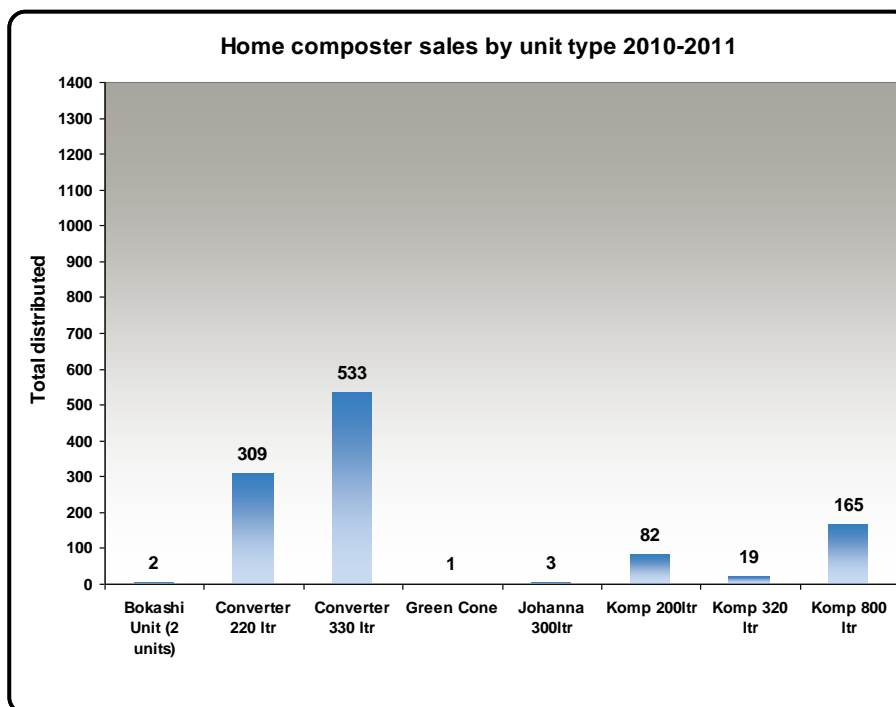


Figure 3 – Home composter sales by type of unit sold

Waste Awareness / Togail Aire mu Sgudal

2010/2011 was once again a busy year for the Waste Awareness team. The start of the year saw the team attend over a dozen events to promote the use of home composting and wormeries as a way to divert waste from landfill. The subsidised compost bin scheme where The Highland Council, in conjunction with the Scottish Government offered bins to householders ended this year so this was a great chance to get as many householders to take part before it ended.



The majority of Highland Council's own 'Top 40' waste producing premises were also visited by the team in an effort to ensure that the Highland Council's Internal Waste Minimisation and Paper Recycling Policies were working and advice was given on how best to implement them. Where required, paper recycling bins replaced waste bins at desk sides to help with the segregation of waste.

From April 2010 to March 2011, the team undertook approximately 80 visits to various schools and nurseries throughout the Highlands covering the full range of waste awareness topics. The sessions mainly focused on promoting the Reduce, Reuse, Recycle message, home composting and waste free lunches.

The Recycling Centre Mural Competition for Primary Schools, launched by the Waste Awareness team in October 2010 proved to be very popular. The idea was to encourage pupils to think about ways in which they could promote waste minimisation and recycling in the form of a mural. Suggested themes included the three R's, the problems with waste and the range of materials that can be taken to Recycling Centres. A total of 55 primary schools submitted 119 entries in all, covering a wide range of styles and the winning murals were reproduced and displayed at their local Recycling Centre.

The team also ran a competition for schools and groups with a slightly older age range of 11-16 with a brief to write a script for a short film to raise awareness of the problem of waste in the Highlands. The prize was the opportunity to make their film with a professional film producer and was won by Portree High School



with their film “Ronnie Rubbish”. This was about a character who fly-tips, with terrible consequences for the whole community but eventually comes to see the error of his ways and becomes a committed recycler! The film is being used to promote greater waste awareness throughout the Highland Council and was made available to view on YouTube.



In August, the team kitted out an entire house with reused and sustainable products at Scotland’s Housing Expo in Inverness. The house at Plot 3 was fitted out with a range of furniture, electrical appliances and household goods from New Start Highland, Blythwood and ILM Highland to show the quality of reused goods. There were also displays of composting bins, real nappies and other household goods that use recycled materials.



Alternate Weekly Collections moved a step closer when trials began in September in Skye and Lochalsh. The team were busy visiting schools, Council premises and businesses with advice on how to make the best use of the service. There were leaflets and calendars to be delivered, ward forums and community councils to visit and the team went out with the collection crews when the trial began to help solve any problems which arose. For the first month of the new service the team monitored the collections and found very few difficulties with contaminated bins or excess waste being presented for

collection.

During The Council’s Budget Consultations over the summer of 2010, the majority of the public advised that they would be supportive of The Council moving towards an alternate weekly collection and in September Members of

the TEC Service's Committee agreed to the rollout of AWC to all of Highland with the programme commencing in Lochaber and Caithness in April 2011.

Many of the Highland Council's vehicles are ideal for use as mobile billboards and continue to be used to promote the message about Reducing, Reusing and Recycling. As the fleet of Refuse Collection Vehicles are upgraded decals are applied and some of the team vans have also had decals attached



The team took part in a waste analysis in November 2010. This saw a skip full of waste destined for landfill being emptied at the SITA waste facility in Inverness. The waste was then categorized and separated (by hand!) to see which types of materials were being incorrectly sent to landfill rather than recycled. The results showed that a further 15% of the contents could have been segregated and sent for recycling.

The signage at Recycling Centres continues to be updated on a rolling programme with Inverness, Alness, Fort William, Dingwall, Portree, Thurso, Nairn and Wick all receiving larger clearer signs to further encourage the segregation of wastes on site.

The Waste Management sections of The Highland Council's website are updated regularly and have been updated with the often requested and long awaited inclusion of recycling and refuse collection calendars. Householders can now look for a collection day and print off their own calendars with the intent that from 2012, The Council will only deliver a calendar where requested. As Alternate Weekly Collections are rolled out in an area, the appropriate section is upgraded online. With approximately 190 different routes to consider throughout Highland this has been one of the bigger, more rewarding tasks to complete.



Community Re-use & Recycling / Ath-chleachdadh & Ath-chuairteachadh Coimhearsnachd

The role of community groups in partnership with Highland Council remains an important aspect of waste reduction and recycling. Highland Council now works in partnership with six local Community Groups; Acharacle Community Company, Blythswood Care, Golspie Recycling and Environmental Action Network (GREAN), Homeaid Caithness, Lochaber Environmental Group (LEG) and New Start Highland.

In 2010/2011 the tonnage of material diverted from landfill by the Social Enterprise Sector was 3,466 tonnes (**Figure 4**), contributing 2.2 percentage points to Highland's recycling rate and 6.6% of the total tonnes of waste recycled/composted. While this represented a tonnage decrease of 1.4% on 2009/2010, target tonnage was surpassed overall at 109% due to additional tonnes diverted across the board. This also stands up well against Highlands's overall decrease in tonnage recycled of 3.6%. Community groups continue to contribute to The Council's push towards zero waste.

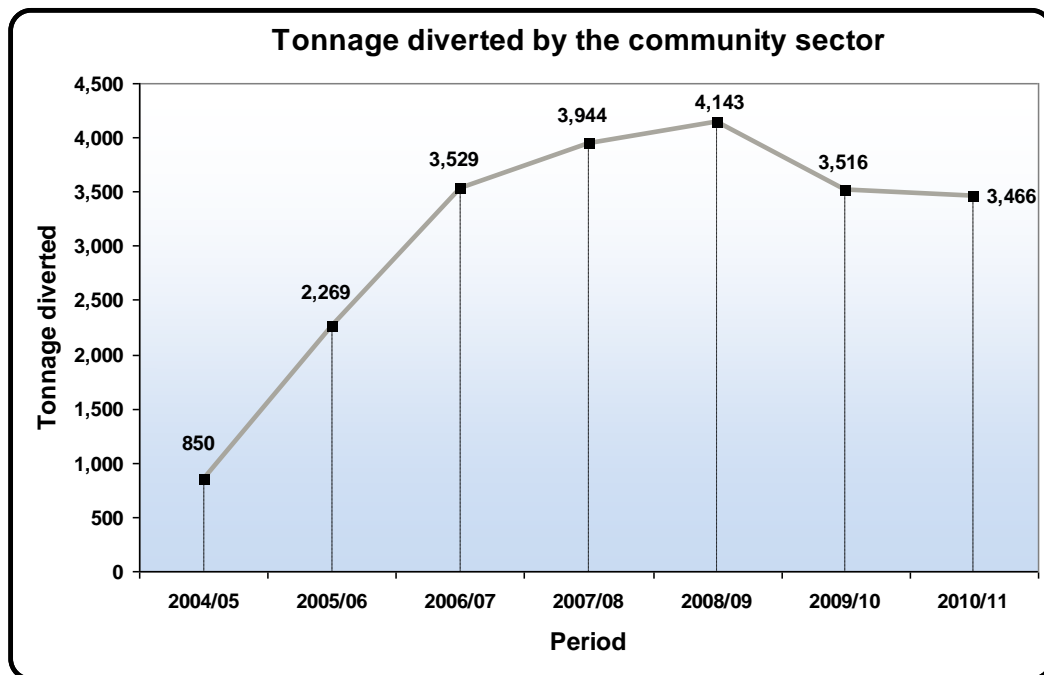


Figure 4 - Tonnage diverted by Social Enterprise Sector

Six out of the seven community groups achieved their target tonnages (see **Table 7**). The overall tonnage diverted was well over the target set by the groups themselves. The type of material diverted from landfill by the Community Groups is predominantly furniture and textiles. The full breakdown is given in **Table 8**. Unfortunately, Touchwood ceased to be active in 2010/2011.

Community Group	Initial target 10-11	Target tonnes diverted 10-11	Additional tonnes	Total diverted 10-11	% target achieved 10-11	% target achieved 09-10
Acharacle	35	35	4	39	111%	164%
Blythswood	1,390	1,390	197	1,587	114%	104%
GREAN	733	733	155	888	121%	125%
Home Aid	210	210	23	233	111%	77%
LEG	58	58	6	64	110%	125%
New Start	753	656	0	656	87%	101%
Sector Total	3,179	3,082	384	3,466	109%	106%

Table 7 - Tonnage diverted by Community Groups versus targets

Material	2008-2009	2009-2010	2010-2011
Bike tyres	2	1	1
Bikes/lawnmowers	30	32	36
Books	247	237	383
Bric-a-brac	96	116	369
Cans	5	6	6
Cardboard	88	78	59
Furniture	1121	1214	869
Garden waste	186	266	254
Glass	110	171	174
Paper	348	382	363
Plastic	44	49	51
Scrap metal	22	31	177
Textiles	685	687	602
WEEE - Cooling appliances	3	4	4
WEEE - Large domestic appliances	985	72	17
Wood	171	170	101
Total	4143	3516	3466

Table 8 - Breakdown of materials diverted by Social Enterprise Sector

Recycling/Composting / Ath-chuairteachadh/Dèanamh Todhar

The Council continues to try and increase the number of tonnes diverted to recycling and composting from its various sources. As already highlighted, in 2010/2011, The Council diverted 34.0% or 52,789 tonnes of its municipal waste from landfill. This represents a decrease in tonnes to recycling of 1,962 tonnes or 3.6%. The major sources of these materials can be seen in **Table 9 and Figure 5** below. From the pie chart it can be clearly seen that recycling centres and kerbside collection bring in the largest quantity of recycling in Highland. Household kerbside recycling collected has levelled off in the last year, but with the programme of rollout of alternate weekly collections in 2011/2012 this will increase in the coming year. Bring site performance has recovered slightly from a significant decline the previous year. Recycling centres experienced a small increase in tonnage⁴ and continues to provide the largest fraction of recycling collected in Highland.

Recycling source	2008/2009	2009/2010	2010/2011
Household kerbside	18,485	20,985	20,729
Commercial collection	156	235	221
Recycling centres	20,531	22,275	22,576
Bring sites	7,592	6,026	6,354
Extracted from residual	3,209	2,107	399
Grounds maintenance	135	154	102
Other recovery	2,447	2,797	2,349
EfW recovered	185	174	59
TOTAL	52,737	54,751	52,789

Table 9 – Tonnes of recycling collected by source⁵

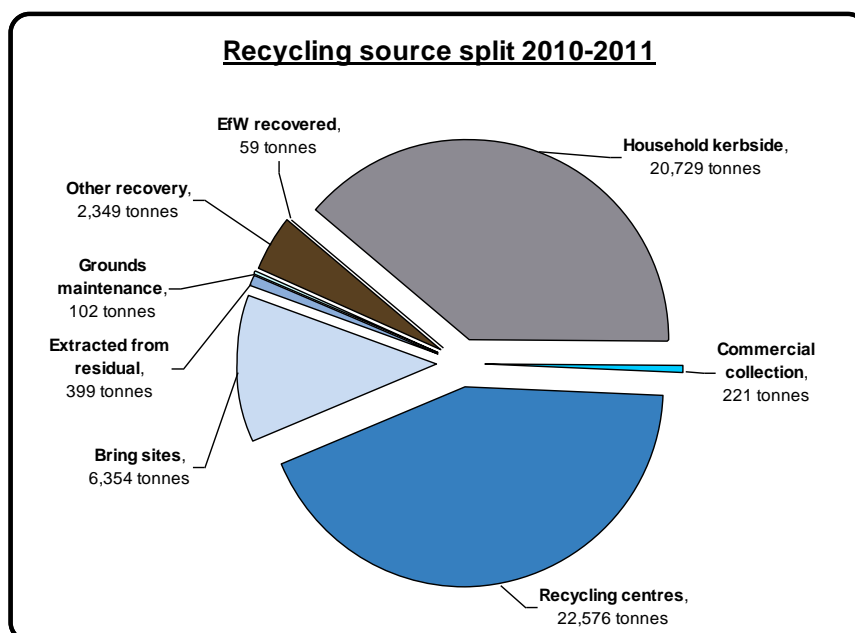


Figure 5 – Proportional recycling source split 2010-2011

⁴ A full breakdown of materials collected in the last 3 years is available in Table 12 on page 28.

⁵ The 2007-2008 data is slightly different to reported in that years report as after review there were some small errors in the method of calculation.

The slight reduction in tonnes recycled in Highland has occurred for the first time in 2010/2011 (see **Figure 6**). If the overall decrease in arisings is taken into account the reduction in tonnes of recycling recovered is under 1,000 tonnes compared to the absolute reduction of around 2,000 tonnes. This emphasises the significance of the reduction in recycling extracted from residual waste, as this alone has resulted in the Highland recycling rates modest decrease. **Figure 7** emphasises the levelling of the recycling rate in that quarter on quarter there has been very little change for twelve months. A particularly harsh Winter more than likely contributed to lack of progress. The year to follow will hopefully turn the tide in Highland's favour, with kerbside recycling collections evolving to assist in reaching The Scottish Government's ambitious targets.

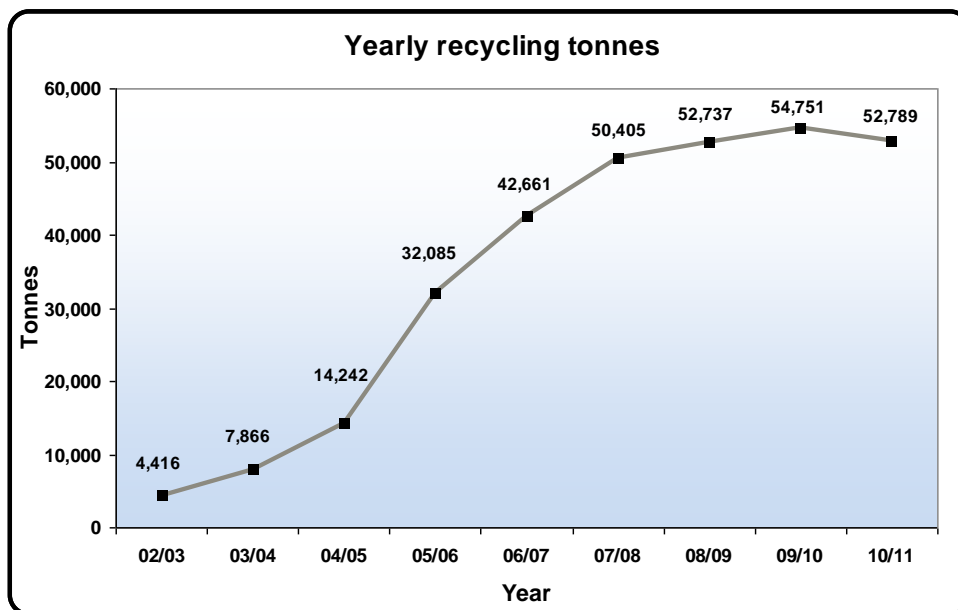


Figure 6 - Annual tonnages recycled

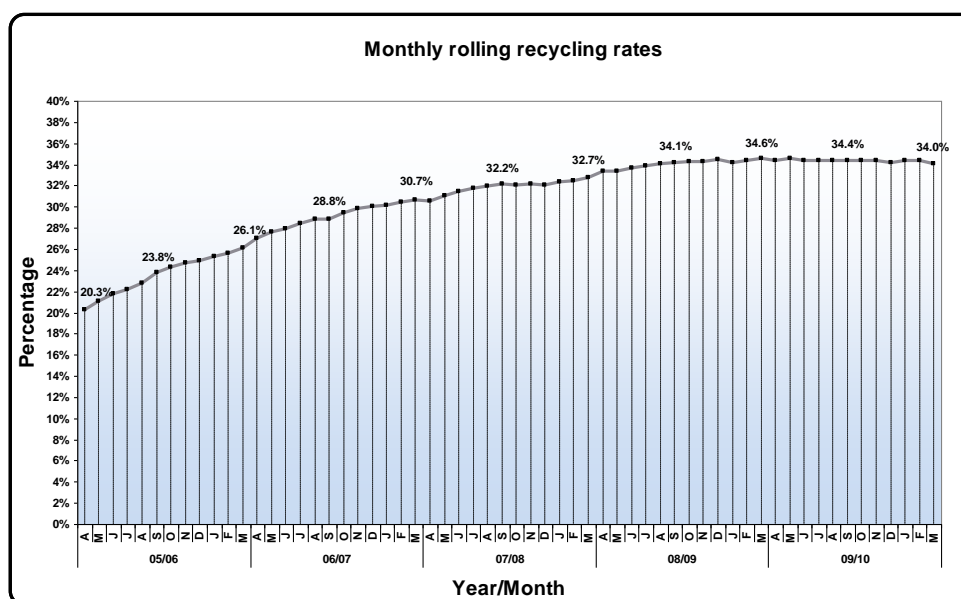


Figure 7 - Monthly rolling recycling rate

Kerbside Recycling / Ath-chuairteachadh Cabhsair

On the 23rd September 2010, at the TEC Services Committee meeting, the rollout of alternate weekly collections to communities across the Highlands was approved. This was after a successful start to a trial of the service in Skye & Lochalsh at the beginning of September 2010, where around 8,000 domestic and commercial premises received the new service. For the period September 2010 to March 2011 the service saw a 40% increase in comingled recycling collected at the kerbside compared with the same period the previous year. This translated into an overall increase in tonnage recycled in Skye & Lochalsh of around 10%. It is becoming clear that The Council's agenda at the current time is to go forward with comingled recycling collections rather than kerbside sort as the overall tonnage potential has been proven to be higher at a local and national level.

Kerbside sort & garden waste services

Material breakdowns are shown in **Table 10** below for The Council's kerbside sort and garden waste services. The overall total recycling and composting collected at the kerbside remains the 2nd highest contributor to the Highland recycling rate. Despite a small dip in material collected, partly due to the transfer of some households to alternate weekly collections, these services remain an important part of The Council's overall waste management strategy.

Urban service	2008-2009	2009-2010	2010-2011
Paper	4,063	3,923	2,933
Cans	150	126	72
Green waste	13,243	13,110	13,813
Glass	121	117	127
Fridges & Freezers (Bulky uplifts)	252	216	0
Plastics	44	49	51
Card	76	58	47
TOTAL	17,950	17,599	17,042

Table 10 – Tonnes from urban kerbside collections⁶

Below is a graph (**Figure 8**) showing the seasonal variation in kerbside collected green waste The Council has experienced over the last 3 years. June was the peak month of the year and managed to surpass the tonnage reached in May 2008. Garden waste collected from the kerbside made up 71.9% of all garden waste collected and 26.2% of all diverted recycling in

⁶ Requests for bulky uplifts of fridges and freezers have previously been assumed to be 50% of the total recycled. However, since the introduction of charging for bulky uplifts the number of bulky requests has fallen by around 90%. Therefore, for the purposes of this report all fridges and freezers are recorded under recycling centres.

Highland this year. Garden waste has plateaued in the last few years, and without extending the service to further domestic properties, variations in tonnage diverted will be largely weather dependant. In December 2010 we recorded the lowest tonnage of garden waste collected through all avenues for over 5 years. This coincided with the beginning of one of the worst Winter periods in recent years. Despite this, kerbside collected garden waste from the kerbside increased by 5.4% (703 tonnes).

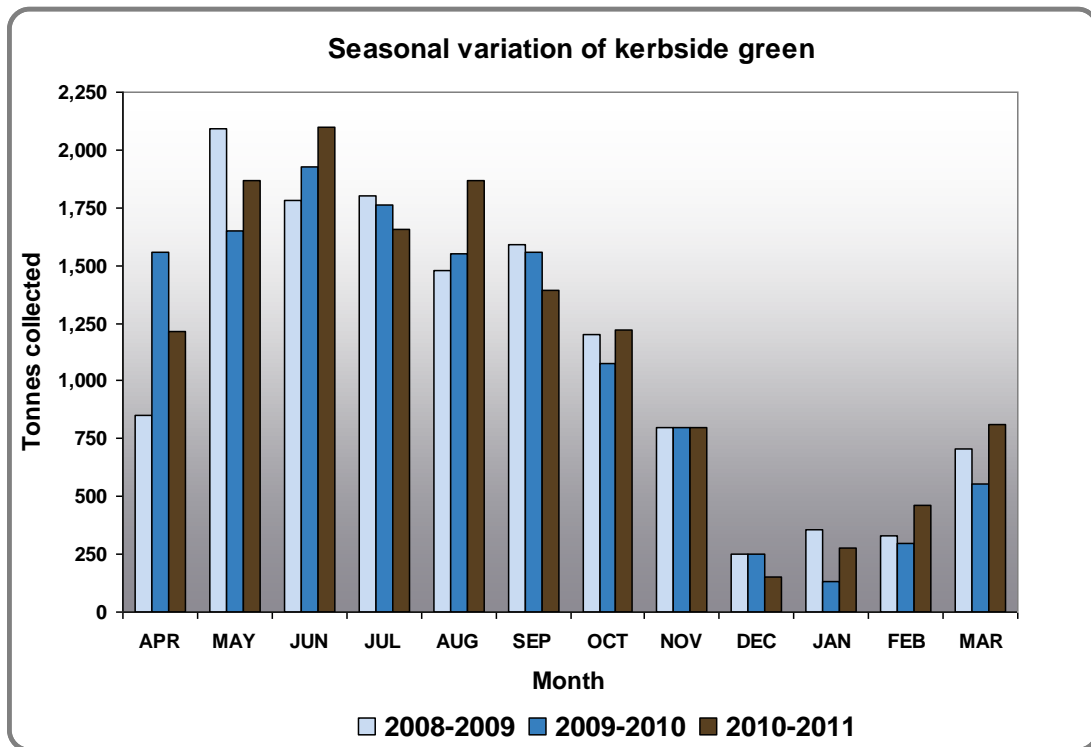


Figure 8 - Seasonal variation of kerbside green comparison

Comingled kerbside services

Roll-out of The Council's new rural kerbside service was completed in early March 2009. Around 27,100 households have been provided with a 240 litre, blue wheeled bin, with householders encouraged to deposit food tins and drinks cans (aluminium and steel), cardboard, paper and plastic bottles (HDPE and PET only). Bins are collected on a 4 weekly cycle and bulked up at various locations throughout Highland. In December 2009 the remaining households within Badenoch & Strathspey that did not already have a blue box & brown bin collection (urban) were added onto this rural collection service. This equated to approximately 440 additional households. This service plugged the gap in kerbside recycling services and provided rural households with the means to recycle more materials than they could at local recycling points.

In total, the service collected and dispatched 3,786 tonnes of recyclate to a number of different contractors, which performed well against The Council's expectations. This is 7.2% of the total recycled/composted within Highland in 2010/2011 and contributed 2.4 percentage points to The Highland recycling rate overall. **Table 11** below shows a breakdown of tonnages by Highland Council area.

Area	No. households	Tonnes collected
Badenoch & Strathspey	440	44
Caithness	3,739	411
Inverness	4,934	691
Lochaber	4,218	560
Nairn	553	120
Ross & Cromarty	6,120	984
Skye & Lochalsh	7,395	917
Sutherland	567	58
TOTAL	27966	3786

Table 11 – Rural kerbside service tonnes collected

In terms of the destinations of the material, one small change was made in April 2010. Rather than the material from Ross & Cromarty and Caithness going to Oran's facility in Grangemouth via the contract with SITA, this material went directly to SITA's own MRF at Binn Farm near Perth.

Culbokie 3-bin service

The food and garden waste trial in Culbokie has been running now for over three years. It has proved to be very successful, showing The Council that it is possible to recycle/compost two thirds of all waste collected at the kerbside with an appropriate collection methodology in place. The service has seen a slight improvement in performance with the kerbside recycling rate of the service increasing to 66% from 63% the previous year. Arisings decreased by around 6% with about 49% of the total arisings (145 tonnes) coming from the weekly food & garden waste collection. A material breakdown for the trial is available below in **Figure 9**.

The trial still remains as something to aim towards, certainly in terms of the combined food & garden collection. However once AWC is in place in Ross & Cromarty the service in Culbokie will be rationalised, meaning the cessation of the trial. .

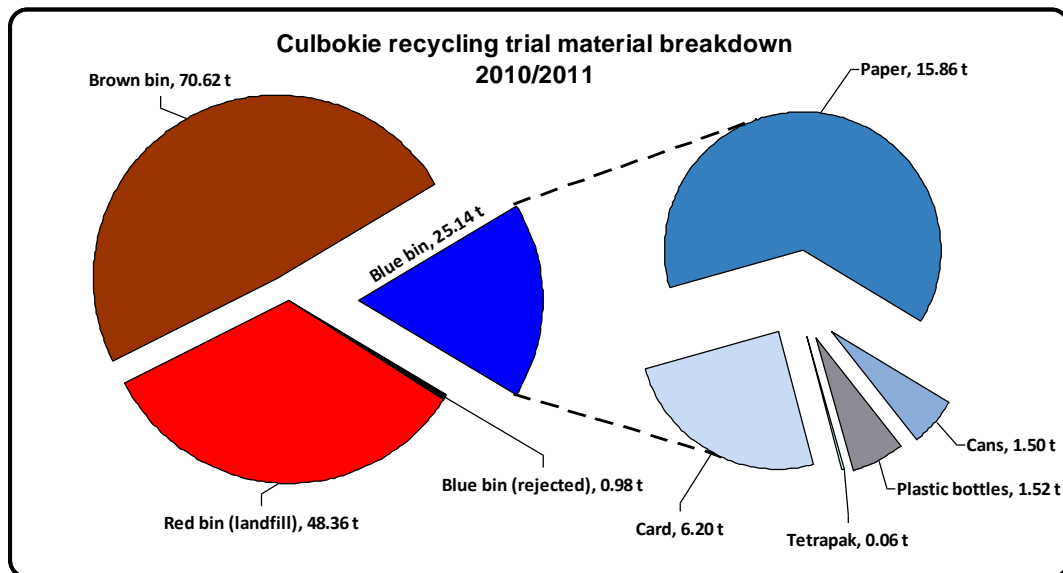


Figure 9 - Percentage breakdown by source of materials in the Culbokie trial

Recycling Centres & Transfer Stations / Ionadan Ath-chuairteachaidh & Stèiseanan Gluasaid

Recycling centres and transfer stations continue to bring in the largest fraction of recycling (43%) in Highland. The sheer number of materials The Council now accepts at some facilities benefits the overall recycling rate greatly.

There was one major building project in 2010/2011, the construction of a storage shed with push walls at Seater landfill site. This was built to allow The Council to store many types of recyclate collected in Caithness where it can be bulked and moved onto appropriate destinations. The shed became operational in July 2010, and has meant improved flexibility in current and future material handling. This has also improved control over records as all loads exported are weighed at The Council's own manned weighbridge.

Some recycling centres have received new, brighter, clearer signage to further encourage the segregation of wastes on site. The previous signs were beginning to look old, dated and did not necessarily encourage the general public to notice the difference between the landfill and recycling skips. Plasterboard skips were introduced to the Nairn and Dingwall recycling centres in August 2010. Previous waste analyses had highlighted the proportion of plasterboard within landfill skips at recycling centres. A local business was able to accept and recycle this material so a trial was initiated. It has so far been very successful with an average of 3 tonnes per month being collected per site. The Council may in the future roll this out to further recycling centres in Highland

Overall, recycling centres and transfer stations in 2010/2011 brought in a total of 45,591 tonnes of waste. Of this, 22,366 tonnes of material was segregated for recycling (see **Table 12** for material breakdown) and 23,225 tonnes required disposal to landfill. This equates to an overall recycling rate for recycling centres and transfer stations of 49.1% which is a year on year increase of about one percentage point. Treating recycling centres and transfer stations separately however we can see more clearly the steps The Council has taken to increase recycling at recycling centres in particular (**Table 13**). Despite a decrease in recycling diverted of 183 tonnes (0.8%) through recycling centres, the recycling rate increased to 63.4% from 63.3% the previous year. This was purely down to an equivalent drop in waste destined for landfill of 173 tonnes (1.4%) and overall reduction in arisings at recycling centres of 356 tonnes (1.0%). While there were good increases in materials collected such as WEEE and hardcore; garden waste, metals and wood decreased. The 20.9% decrease in metals diverted may be due largely to the market prices for scrap having increased in the past year.

Material	2008/09 (tonnes)	2009/10 (tonnes)	2010/11 (tonnes)
Batteries - automotive	55	69	39
Batteries - post consumer	-	-	3
Bikes	9	13	12
Bric a brac	12	19	19
Cans	52	44	48
Cardboard	1,902	1,690	1,551
Furniture	80	107	94
Garden waste	4,995	5,599	4,508
Gas cylinders	8	16	23
Glass	624	656	657
Hardcore (soil & stones)	6,037	7,408	8,241
Metals	1,801	1,883	1,489
Oil	31	36	36
Oil filters	5	8	7
Paper	695	482	617
Plastic bottles	91	118	113
Tetrapaks	10	10	13
Textiles	254	263	190
Tyres	133	132	135
WEEE - Cathode Ray Tubes	507	510	744
WEEE - Cooling appliances	478	441	311
WEEE - Gas Discharge Lamps	-	-	2
WEEE - Large domestic appliances	663	571	645
WEEE - Small domestic appliances	-	62	466
Wood	2,164	2,423	2,246
TOTAL	20,607	22,559	22,209

Table 12 - Material tonnage from Recycling Centres

Recycling Centre	2007/08 Recycling rate	2008/09 Recycling rate	2009/10 Recycling rate	2010/11 Recycling rate
Alness	68.9%	63.1%	59.3%	51.0%
Aviemore	76.3%	76.0%	70.3%	68.7%
Bonar Bridge	21.3%	20.9%	18.5%	20.3%
Dingwall	63.4%	72.6%	72.6%	75.5%
Durness	0.0%	0.6%	0.4%	2.5%
Fort William	67.4%	71.8%	71.6%	73.1%
Grantown	72.9%	68.7%	66.0%	62.9%
Inverness	55.3%	64.3%	67.5%	68.6%
Kingussie	55.0%	51.2%	54.8%	54.1%
Lairg	11.1%	11.5%	21.5%	12.6%
Nairn	63.3%	68.4%	64.8%	71.9%
Portree	45.8%	51.6%	49.2%	34.6%
Seater	No data	23.0%	31.2%	24.5%
Tain	57.0%	60.2%	57.0%	58.6%
Thurso	46.3%	48.1%	58.4%	61.3%
Wick	44.9%	46.0%	58.0%	60.4%
Overall	56.6%	61.6%	63.3%	63.3%

Table 13 - Recycling Centre recycling rates

While transfer stations do bring in a limited amount of recycling, a significant amount of residual waste into transfer stations is RCV delivered hence any recycling rate calculation is inherently difficult to achieve. It should also be noted that a number of the transfer stations are merely manned sites in outlying areas with a few skips for mixed waste which are used to bulk materials locally to be transferred to larger transfer stations such as Brora (hence the large tonnage going through this site).

A more detailed breakdown of the tonnage recycled at individual recycling centres and transfer stations is provided in **Appendix C** and **Appendix D**. The cumulative totals for this information may however not add up exactly to the totals above as there is some inter-site movement of materials involved, particularly in Sutherland.

The graph below (**Figure 10**) shows a general trend towards increasing tonnes of recycling being recovered from recycling centres and transfer stations. Tonnage diverted peaked in Quarter 2 this year, while Quarter 3 was the low point largely due to the extensive and persistent snowfall in late November and December.

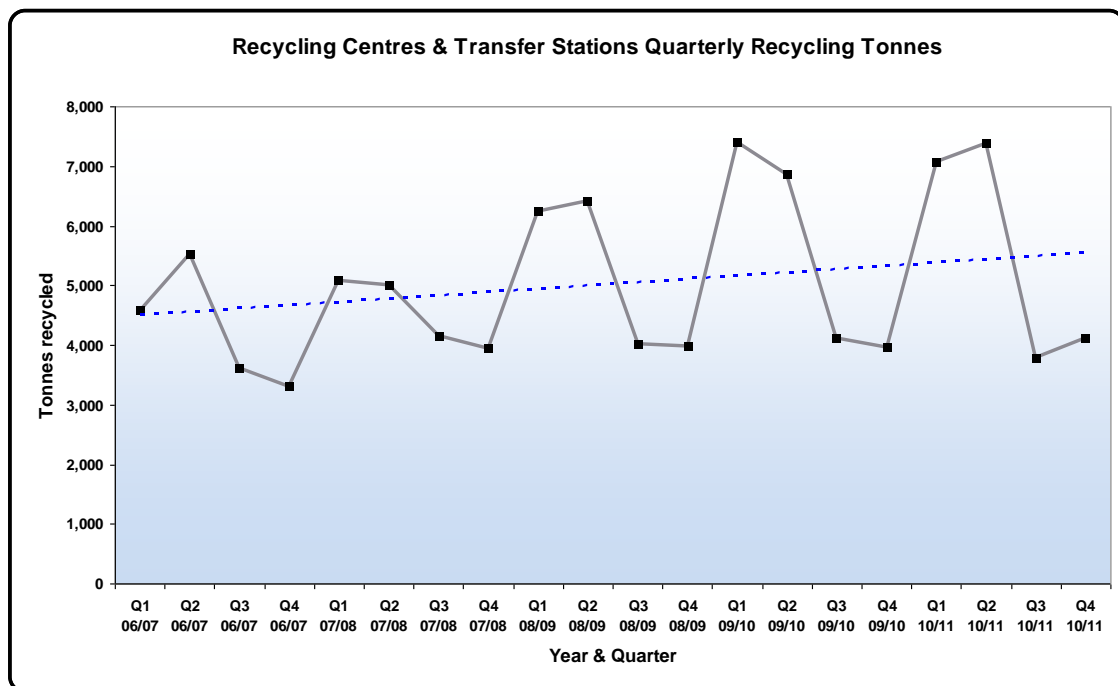


Figure 10 - Recycling Centre quarterly recycling tonnages

Recycling Points / Àiteachan Ath-chuairteachaidh

During 2010/2011 there was a net increase of one recycling point in Highland. This was as a result of two new sites, with one having to be removed completely. The Council endeavours to provide facilities for recycling wherever an appropriate location with a sufficiently sized catchment can be found, and it is within the Council's budget to do so. Due to the geography of the Highlands, it can be very difficult at times to provide a service, but the Council does its best to provide facilities where the public can recycle their waste. Increasingly few locations are being found for additional sites, with dense urban areas being particularly challenging due to compact housing. There are now 201 recycling points in Highland. **Table 14** shows the changes in tonnage captured in the last 3 years.

Material	Tonnes 2008/09	Tonnes 2009/10	Tonnes 2010/11
Glass	4,084	3,862	3,775
Paper	2,827	1,548	1,831
Textiles	404	454	440
Cans	207	137	140
Books	20	16	7
Total	7,543	6,016	6,193

Table 14 - Materials from Recycling Points

Tonnages through the recycling points recovered slightly from last year's decrease with a 2.9% increase in material collected. While glass was 2.3% lower than the previous year, paper more than made up for this with an increase of 18.3%. The other materials have remained largely unchanged. A detailed breakdown is available in **Appendix B**.

Recyclate Destinations / Cinn-uidhe Stuthan Ath-chuairtiche

A full detailed breakdown of where The Highland Council has sent the various materials collected for recycling is available in **APPENDIX A**. These are listed in alphabetical order by material type and show the individual tonnes sent to each destination. This list reflects the data The Council submits to SEPA WasteDataFlow on a quarterly basis. The variety of materials, and in turn the number of contractors The Council sends recyclate to is ever increasing, which has made the accuracy and efficiency of data recording and reporting progressively more important.

The majority of green waste in the Highland Council area ends up being composted at a group of farms in Nairnshire. All green waste from Granish and Longman eventually gets dispatched to Seafield Park Farm, composted, and then used as a soil improver. Material at Longman does get shredded

however and the composting process starts here, but completes at Seafield Park Farms. Material composted at Seater is used as restoration material, strictly above the cap.

Energy from Waste / Lùth bho Sgudal

Continuing on from the opportunities The Council has had in previous years, waste was sent on an intermittent basis to energy from waste plants in 2010/2011. Unfortunately, openings to send waste to the incinerator in Dundee were limited to April, August and December with only 282 tonnes of residual waste being disposed of in this manner. This represented a 69.8% decrease year on year. A small proportion of waste from Brora was diverted to Dundee in December 2010, making up 9.5% of the 282 tonnes sent in total to this facility.

An option presented itself in August 2010 to send residual waste to the Shetland Isles incinerator. A total of 388 tonnes of waste bulked in Brora was transported by road to Aberdeen and shipped overseas to Lerwick in Shetland. Unlike Dundee no process ash could be claimed as recycled due to the waste data regulations on what is defined as recycled. Of the total 669 tonnes sent to energy from waste in Highland, 58.0% was sent to Shetland.

The total tonnes diverted from Skye to incineration equated to only 3.7% of the total residual waste sent off Skye for treatment, a vast reduction on the previous years fraction of 12.9%. Overall tonnage diverted to energy from waste facilities out with Highland dropped by 28.3% will have had a minor impact on recycling rates.

Of the 669 tonnes sent to energy from waste, 492 tonnes were treated (burned), 118 tonnes were landfilled (cyclone and filter ash) and 59 tonnes of recycling were recovered (metals and bottom ash). **Figure 11** and **Figure 12** below give a graphical breakdown of the waste. The resultant heat and energy given off from the burned waste was used to produce electricity which is sold to the national grid, therefore recovering a resource from the residual waste.

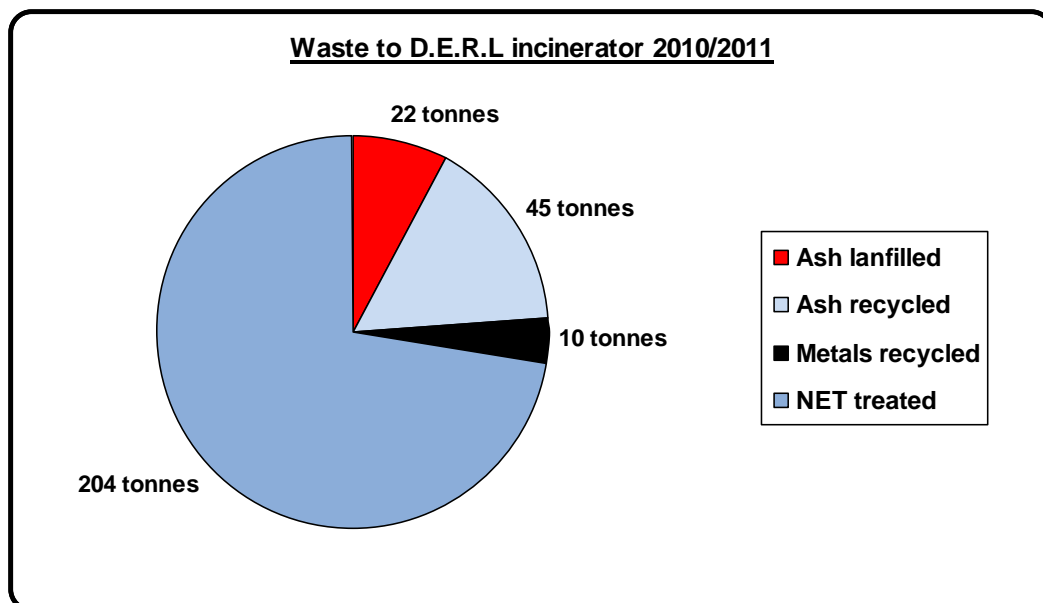


Figure 11 - Highland waste to DERL incinerator breakdown

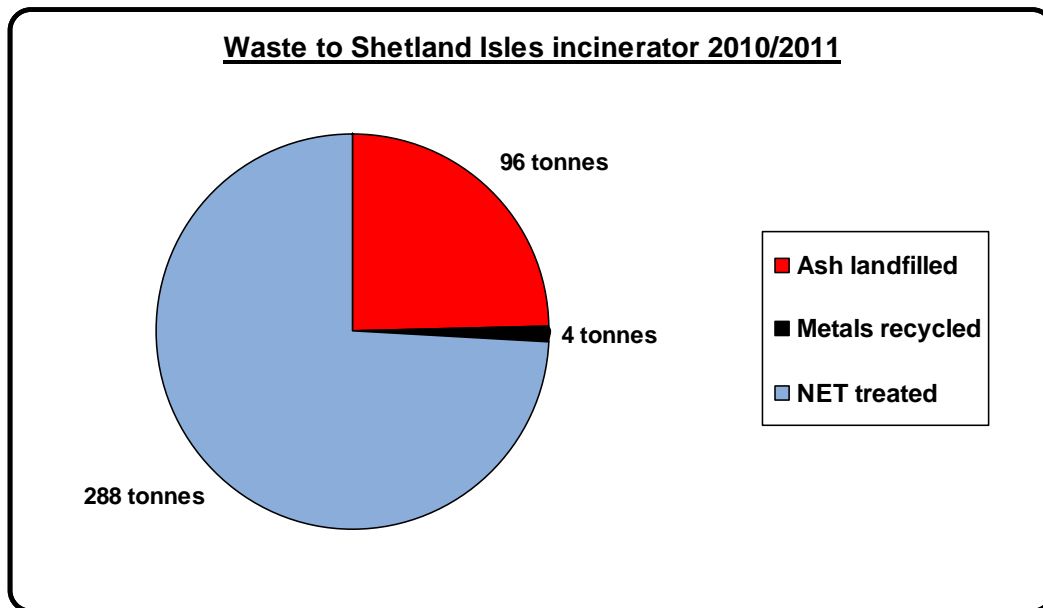


Figure 12 – Highland waste to Shetland Isles incinerator breakdown

With the distances already involved in transporting the waste to Falkirk, and Dundee’s incinerator plant needing additional waste to keep it running, The Council deems this to be an important part in its overall waste management strategy. Not only has this reduced The Council’s waste to landfill, but it has also contributed towards The Council’s drive to meet the aims of the Scottish Government’s new Zero Waste Regulations.

Disposal / Cur an Dàrna Taobh

As a method of waste treatment, disposal comes at the bottom of the waste hierarchy, but the Council unfortunately still landfills the vast majority of its waste. The gap between landfill and recycling/recovery increased slightly this year, but The Council expects this to be a small blip in an otherwise downward trend. The Council landfilled 65.7% of its total waste arisings in 2010/2011 compared with 65.0% the previous year. Highland therefore still has a long way to go before the Scottish Government's "Zero Waste" can be realised.

Skye's waste continues to be sent to the central belt in Falkirk until an alternative waste treatment opportunity arises. There have been no changes to waste disposal treatment other than that mentioned in the energy from waste section, and all current contracts remain in place until they are up for renewal. The contract to take waste from Inverness and the Inner Moray Firth was awarded to William Munro Construction Highland Ltd back in 2009/2010 with two facilities dealing with this waste, one in Evanton and the other on the harbour in Inverness. The majority of this waste currently is landfilled at sites in Falkirk. The Council also continues to operate its own 2 remaining landfill sites at Granish and Seater, and also sends waste from the Lochaber area to a private landfill site at Duiskey owned by Locheil Logistics. **Table 15** below shows a breakdown of the waste Highland Council sent for disposal in 2010/2011. This table also shows rejected waste from MRFs as a small percentage of the comingled recycle is inevitably disposed of due to contamination.

Location & facility type	MSW Disposed to landfill (tonnes)			
	Year	2008/09	2009/10	2010/11
Energy from Waste (ash landfilled)				
Dundee Energy Recycling Ltd (DERL) - WML/E/0020006		86	66	22
Shetland Islands Council - PPC/A/1003141		////	////	96
Direct to Landfill				
Duiskey landfill - Locheil Logistics - PPC/N/0050031		12,392	11,616	10,782
Granish landfill - Highland Council - PPC/A/1004251		5,386	7,014	6,412
Seater landfill - Highland Council - PPC/N/1000148		16,015	15,338	14,578
West Carron landfill - PPC/A/1004300		6,833	6,319	6,669
Stoneyhill landfill - PPC/N/0020010		66,905	38,242	5
Residual MRF/Transfer Stations				
W.Munro Construction, Beechwood Rd - WML/N/0220249		6	8,765	23,941
W.Munro Construction, Cromwell Rd - WML/L/1058351		////	15,469	39,233
Material Recovery Facilities (rejected disposed)				
ORAN Environmental Solutions - WML./E/0120034		23	133	74
Binn Skips - SITA UK - WML/XC/1094663			24	73
W.Munro Construction, Beechwood Rd - WML/N/0220249		1	20	46
Totals		107,649	103,005	101,932

Table 15 - Final disposal of municipal solid waste 2008/2009 -2010/2011

In 2010/2011 waste arisings dropped by 2.0% compared to a reduction of 1.7% in 2009/2010. In previous years this has also been coupled with year on year reductions in landfill but the trend has slowly been levelling out as there have been little in the way of new or evolved services in the pipeline. This resulted in landfill increasing slightly this year but with The Council's commitment to rolling out alternate weekly collections in the coming years it is almost certain that Highland will see a further drop in waste sent to landfill. These trends since 2001 can be seen in **Figure 13** below.

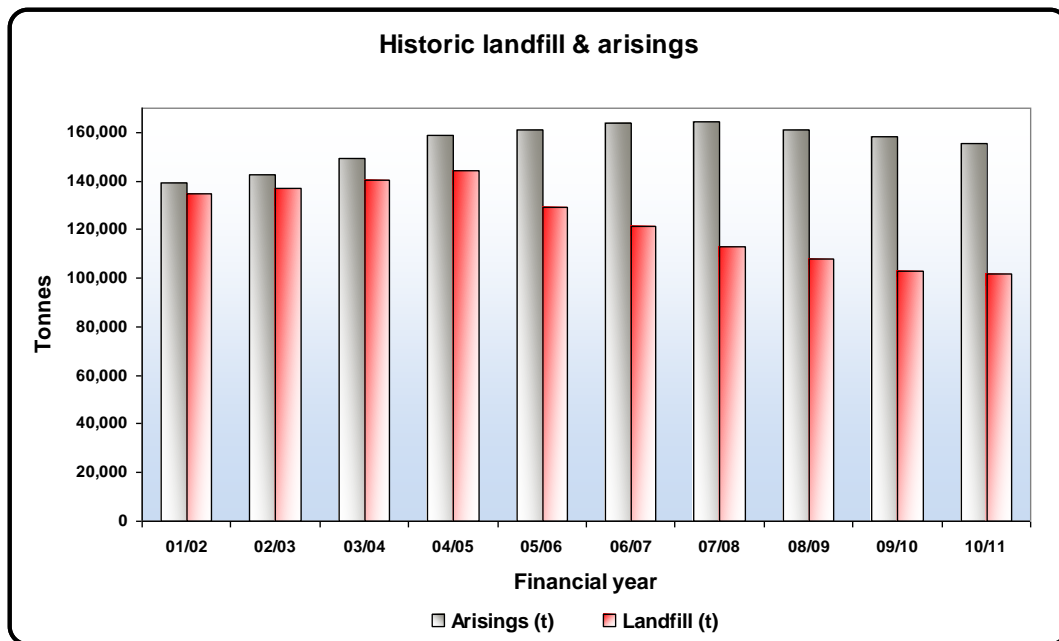


Figure 13 - Waste arisings & tonnage disposed to landfill (Historic)

Progress and Further work / Adhartas agus Tuilleadh Obrach

The data team are trying every year to make improvements in the ways in which data is recorded and reported. Over the last four years, big steps have been taken to improve things along these lines. Previously a lot of the internal data was either difficult to summarise, problematic during transition between financial years, or made keeping track of changes very challenging. While there have already been big steps, at least at this level, there remains some demanding matters Highland wide.

A major improvement has been the development of an excel spreadsheet come database to store and manage commercial customer records. This was initially to support the alternate weekly collection trial in Skye & Lochalsh, before being rolled out to other areas. This rationalises record keeping while also supporting collection crews through the provision of daily run sheets.

In 2011/2012 there are changes proposed in the way in which recycling rates are reported into the public domain. The Scottish Government's Zero Waste Plan has modified the 50% recycling by 2013 target to apply to household waste only, which will mean some changes in internal record-keeping. This may also impact on next years waste data report in that figures stated may differ in content compared to any previous year. Any such changes will be clearly described.

WasteDataFlow, the SEPA online waste data recording system is continuously being reviewed and improved. Part of this is done through user group meetings and consultations with local authorities a few times per year. This is done to hopefully make reporting easier and more reliable. As a result, more checks are being put in place within our own systems to make sure that when collating the data to be reported, any errors are highlighted at this stage rather than after the reporting deadlines. A fairly simple but very effective checking mechanism has been put in place to help prevent this, and has so far been very successful. This consists of check formulae to make sure that the figures reported to SEPA and those within internal spreadsheets are equal.

**APPENDIX A - Recyclate Destinations (by material) / PÀIPEAR-TAICE A – Cinn-uidhe
Stuthan Ath-chuairtiche (a rèir stuth)**

Material	Destination	Tonnes to destination
Batteries - automotive		42.14
	<i>Northburn Industrial Services Ltd, Aberdeen[PPC/A/1021604,</i>	31.90
	<i>Robert Finnie [WML/N/0050041]</i>	10.24
Batteries - post consumer		3.76
	<i>G&P Batteries[England]</i>	3.76
Bicycles		36.15
	<i>Golspie Recycling & Environmental Action Network (GREAN)</i>	36.15
Books		389.41
	<i>Blythswood Care</i>	371.64
	<i>New Start Highland</i>	10.91
	<i>Oxfam</i>	6.86
Bric-a-brac		374.83
	<i>Acharacle Community Company[WML/XS/1023194]</i>	14.58
	<i>Blythswood Care</i>	224.52
	<i>British Heart Foundation[England]</i>	5.55
	<i>Homeaid Caithness</i>	103.21
	<i>New Start Highland</i>	26.97
Cans - aluminium		103.46
	<i>Aberdeen Metal Recycling Ltd[WML/XC/1082365]</i>	73.62
	<i>BINN SKIPS Ltd [WML/XC/1026167]</i>	14.53
	<i>ORAN Environmental Solutions[WML/E/120034]</i>	14.77
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	0.54
Cans - mixed		65.65
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	65.65
Cans - steel		278.18
	<i>Aberdeen Metal Recycling Ltd[WML/XC/1082365]</i>	160.02
	<i>BINN SKIPS Ltd [WML/XC/1026167]</i>	58.13
	<i>ORAN Environmental Solutions[WML/E/120034]</i>	59.07
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	0.96
Card		2,685.92
	<i>BINN SKIPS Ltd [WML/XC/1026167]</i>	232.52
	<i>Golspie Recycling & Environmental Action Network (GREAN)</i>	58.78
	<i>ORAN Environmental Solutions[WML/E/120034]</i>	236.29
	<i>Stirling Fibre Ltd</i>	337.31
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	1,309.26
	<i>William Tracey Ltd [WML/W/0020110]</i>	490.54
	<i>WM Munro T.S. Cromwell Road, Inverness[WML/L/1058351]</i>	21.23
Furniture		868.86
	<i>Acharacle Community Company[WML/XS/1023194]</i>	15.91
	<i>Blythswood Care</i>	281.20
	<i>Homeaid Caithness</i>	108.30
	<i>New Start Highland</i>	463.45
Garden and food waste (mixed)		68.58
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	68.58

Material	Destination	Tonnes to destination
Garden waste		19,155.32
	<i>Golspie Recycling & Environmental Action Network (GREAN)</i>	190.14
	<i>Lochaber Environment Group (LEG)</i>	63.74
	<i>Locheil Logistics [PPC/N/0050031]</i>	819.30
	<i>Granish</i>	1,804.32
	<i>Invergordon Bulking up Station [WML/N/220207]</i>	1,919.49
	<i>Longman</i>	12,207.34
	<i>Seater</i>	2,151.00
Gas cylinders		15.43
	<i>Gleaner Oil & Gas Ltd</i>	15.43
Glass - amber		955.16
	<i>Viridor Glass Recycling[WML/XS/1081459]</i>	955.16
Glass - clear		1,652.95
	<i>Viridor Glass Recycling[WML/XS/1081459]</i>	1,652.95
Glass - green		1,807.10
	<i>Viridor Glass Recycling[WML/XS/1081459]</i>	1,807.10
Glass - mixed		24.20
	<i>Viridor Glass Recycling[WML/XS/1081459]</i>	24.20
Mineral Oil		42.28
	<i>Northburn Industrial Services Ltd, Aberdeen[PPC/A/1021604,</i>	42.28
Paper		7,813.67
	<i>BINN SKIPS Ltd [WML/XC/1026167]</i>	959.15
	<i>Golspie Recycling & Environmental Action Network (GREAN)</i>	363.43
	<i>ORAN Environmental Solutions[WML/E/120034]</i>	974.68
	<i>Sevenside Recycling</i>	2,045.56
	<i>Stirling Fibre Ltd</i>	2,915.33
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	555.52
Plasterboard		52.06
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	52.06
Plastic bottles - mixed		424.11
	<i>BINN SKIPS Ltd [WML/XC/1026167]</i>	116.26
	<i>Golspie Recycling & Environmental Action Network (GREAN)</i>	50.62
	<i>ORAN Environmental Solutions[WML/E/120034]</i>	118.14
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	139.09

Material	Destination	Tonnes to destination
Scrap metal		1,785.86
	<i>Blythswood Care</i>	131.86
	<i>David Ritchie & Sons Ltd</i>	171.44
	<i>Highland Car Crushers Ltd</i>	301.97
	<i>Highland Waste Services</i>	35.34
	<i>John Lawrie (Aberdeen) Ltd</i>	67.88
	<i>Locheil Logistics [PPC/N/0050031]</i>	195.64
	<i>New Start Highland</i>	45.25
	<i>Robert Finnie [WML/N/0050041]</i>	490.72
	<i>Speedy Skip Hire</i>	281.07
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	28.86
	<i>WM Munro T.S. Cromwell Road, Inverness[WML/L/1058351]</i>	25.70
	<i>A M O'Brien [WML/XC/1027733]</i>	10.14
Soil & Rubble		8,011.22
	<i>A & W Sinclair</i>	687.28
	<i>David Ritchie & Sons Ltd</i>	226.08
	<i>Lochaber Aggregates [WML/N0220194]</i>	233.12
	<i>Robert Finnie [WML/N/0050041]</i>	2,941.16
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	3,844.25
	<i>WM Munro T.S. Cromwell Road, Inverness[WML/L/1058351]</i>	79.33
Tetrapaks		13.44
	<i>Shanks Waste Services Ltd [WML/N/0220004]</i>	13.44
Textiles & footwear		1,177.96
	<i>Acharacle Community Company[WML/XS/1023194]</i>	8.45
	<i>Blythswood Care</i>	577.92
	<i>Golspie Recycling & Environmental Action Network (GREAN,</i>	7.68
	<i>Nathans Waste Savers Ltd</i>	376.73
	<i>New Start Highland</i>	8.01
	<i>Salvation Army[YQ2SAL002/0/17]</i>	199.17
Tyres - mixed		140.29
	<i>Envirotyre[England]</i>	19.48
	<i>Golspie Recycling & Environmental Action Network (GREAN,</i>	0.60
	<i>Northern Tyres</i>	41.57
	<i>Robert Finnie [WML/N/0050041]</i>	78.64
WEEE - Cathode Ray Tubes		751.85
	<i>Viridor Electrical Recycling[WML/E/0220252]</i>	751.85
WEEE - Flourescent tubes and other light bulbs		1.83
	<i>Mercury Recycling[No number]</i>	1.83
WEEE - Fridges & Freezers		362.14
	<i>Homeaid Caithness</i>	3.99
	<i>Viridor Electrical Recycling[WML/E/0220252]</i>	358.15

Material	Destination	Tonnes to destination
WEEE - Large Domestic App		669.82
	<i>Homeaid Caithness</i>	17.07
	<i>Viridor Electrical Recycling[WML/E/0220252]</i>	652.76
WEEE - Small Domestic App		467.22
	<i>Viridor Electrical Recycling[WML/E/0220252]</i>	467.22
Wood		2,416.21
	<i>David Ritchie & Sons Ltd</i>	353.38
	<i>Harper Wood recycling</i>	989.51
	<i>Locheil Logistics [PPC/N/0050031]</i>	478.06
	<i>New Start Highland</i>	101.33
	<i>William Munro Construction Ltd[WML/N/0220249]</i>	470.43
	<i>WM Munro T.S. Cromwell Road, Inverness[WML/L/1058351]</i>	23.50
Grand Total		52,657.07

Appendix A - Recyclate destinations⁷

⁷ The total does not include recyclate recovered from EfW

**APPENDIX B – Recycling Points (by ward) / PÀIPEAR-TAICE B – Àiteachan
Ath-chuairteachaidh (a rèir uàrd)**

Ward name	Address	Glass	Cans	Paper	Textiles	Grand Total
Aird & Loch Ness		199.21	8.78	105.22	16.98	330.18
	Balnain, near Primary School	9.23	0.22	4.24	0.75	14.44
	Beaully, Braeview Park	59.99	2.13	37.34	1.27	100.73
	Cannich, Village Hall	8.09	0.63	4.06	1.10	13.88
	Dores, Dores Inn	5.78	0.33	2.30	-	8.41
	Drumnadrochit, Visitors Centre Car Park	32.20	1.96	19.53	5.75	59.43
	Fort Augustus, Main Car Park	8.82	0.52	4.42	1.59	15.34
	Fort Augustus, Village Hall	8.05	0.55	4.06	1.45	14.11
	Foyers, Opposite Doctors Surgery	5.72	0.59	3.71	1.11	11.13
	Gorthleck, Village Hall	6.56	0.07	1.41	0.82	8.87
	Inverarnie, Shop	14.47	0.22	6.49	0.69	21.88
	Invermoriston, Car Park	5.86	0.52	3.89	1.33	11.59
	Kiltarlity, Village Hall	11.66	0.44	6.12	-	18.23
	Kirkhill, Inchmore Hall	22.77	0.60	7.65	1.13	32.15
Badenoch & Strathspey		472.55	20.92	215.98	22.52	731.98
	Aviemore, Dalfaber Industrial Estate	28.96	0.55	6.59	1.23	37.33
	Aviemore, Recycling Centre, Granish	44.56	3.60	44.29	3.44	95.88
	Aviemore, Tesco, Grampian Road	51.68	1.32	17.79	4.17	74.96
	Boat of Garten, Lorry Park	32.83	1.27	12.32	0.72	47.15
	Carrbridge, Car Park	28.53	1.11	10.04	0.73	40.40
	Cromdale, Post Office	8.76	0.55	3.00	0.81	13.13
	Dulnain Bridge, Picnic Area	12.28	0.59	3.91	0.34	17.11
	Glenmore, Campsite	6.01	0.73	5.98	-	12.72
	Grantown, Burnfield Car Park	57.44	1.69	23.88	3.05	86.06
	Grantown, Recycling Centre, Achnagonalin	27.14	1.80	12.91	0.88	42.73
	Kincraig, Village Hall	13.59	0.96	10.74	0.61	25.89
	Kingussie, Market Stance	51.05	3.09	25.14	4.10	83.38
	Kingussie, Recycling Centre	--	--	--	-	-
	Laggan, Lay-by, Doctor's Surgery	7.77	0.30	3.35	0.47	11.89
	Nethybridge, Village Hall	28.69	1.11	10.69	0.47	40.95
	Rothiemurchus, Rothiemurchus visitor centre	20.87	0.48	5.65	0.71	27.71
	Dalwhinnie, Garage Car Park	5.94	0.44	3.15	0.19	9.71
	Newtonmore, Chef's Diner Car Park	44.35	1.27	13.55	0.64	59.80
	Dalraddy, Dalraddy Holiday Park	2.13	0.07	3.00	-	5.21
Black Isle		199.74	5.35	58.66	14.19	277.95
	Avoch, Old Salt Pile	42.31	0.78	7.60	2.72	53.40
	Cromarty, Harbour Car Park	21.76	0.52	5.48	1.30	29.05
	Culbokie, Football Pitch	29.95	0.37	5.48	1.75	37.55
	Fortrose, Station Road	46.60	1.22	14.00	3.56	65.37
	North Kessock, Public Toilets	16.37	1.22	10.78	1.31	29.67
	Resolis, Memorial Hall	16.19	0.33	3.36	1.30	21.17
	Rosemarkie, Fairy Glen Car Park	24.59	0.78	10.21	1.93	37.50
	Tore, Community Centre	1.98	0.15	1.77	0.34	4.23
Caol & Mallaig		125.35	6.36	65.74	20.70	218.15
	Arisaig, Public Toilets	14.29	0.63	8.66	3.70	27.28
	Canna,	3.90	-	-	-	3.90
	Caol, Lochy Bar	5.00	0.59	3.71	0.73	10.03
	Caol, Shopping Centre	10.03	1.51	15.14	2.03	28.72
	Corpach, Kilmallie Hall	15.76	0.89	10.08	1.18	27.90
	Eigg,	-	0.38	-	-	0.38
	Fort William, Health Centre, Opposite Lochaber High	0.75	0.15	2.89	0.22	4.01
	Glenfinnan, Glenfinnan Hotel	6.83	0.41	1.41	0.75	9.39
	Invergarry, Post Office	8.32	0.37	5.12	3.76	17.58
	Mallaig, Mallaig Pier	2.02	--	--	-	2.02
	Mallaig, Mallaig West Bay	18.78	0.78	9.01	6.87	35.44
	Morar, Morar Hotel	3.37	--	--	0.62	3.99
	Muck,	4.22	-	-	-	4.22
	Roy Bridge, Car Park opposite village hall	9.70	0.30	7.07	0.48	17.54
	Rum,	3.02	-	-	-	3.02
	Spean Bridge, Village Hall	15.24	0.37	2.65	0.37	18.62
	Knoydart, Inverie	4.12	-	-	-	4.12

Ward name	Address	Glass	Cans	Paper	Textiles	Grand Total
Cromarty Firth		238.91	9.09	117.35	30.87	396.21
	Alness, Car Park, Obsdale Road	40.55	1.63	13.76	4.34	60.27
	Alness, Lidl's, Dalmore Road	21.61	0.78	8.13	1.52	32.03
	Alness, Morrisons	52.87	1.08	19.23	7.21	80.38
	Alness, Recycling Centre	38.84	2.62	38.81	6.60	86.87
	Alness, Westford, Coulpark	2.34	0.30	4.06	1.16	7.85
	Ardross, Primary School	8.05	0.15	2.83	1.07	12.10
	Evanton, Balconie Street	29.75	0.44	7.07	2.19	39.44
	Invergordon, Castle Road, Car Park	35.29	0.77	5.80	3.79	45.65
	Invergordon, Social Club	4.70	0.44	5.48	0.44	11.05
	Newmore, Beside playing field	1.64	0.18	1.77	0.49	4.08
	Evanton, Blythswood, Deephaven Industrial Estate	1.24	0.30	4.77	-	6.31
	Saltburn, B817 nr Invergordon	2.03	0.41	5.66	2.08	10.17
Culloden & Ardersier		234.34	7.48	89.38	51.36	382.55
	Ardersier, Memorial Hall	14.29	1.09	9.79	2.48	27.64
	Cawdor, Old Smithy	18.81	0.22	4.24	0.99	24.25
	Inverness, Keppoch Road, Culloden	43.62	1.90	20.79	4.17	70.47
	Inverness, Tesco, A96 Retail & Business Park	157.62	4.27	54.57	43.73	260.19
Dingwall & Seaforth		327.02	11.81	186.84	63.39	589.07
	Conon Bridge, Car Park	36.59	1.28	22.86	1.26	61.99
	Dingwall, Car Park 3	38.57	1.00	10.96	2.39	52.90
	Dingwall, Lidl	39.12	0.92	17.31	3.32	60.66
	Dingwall, Recycling Centre, Strathview, Dingwall Bus. Park	96.52	5.18	87.05	38.66	227.40
	Dingwall, Tesco	65.94	2.04	18.96	15.75	102.68
	Muir of Ord, Seaforth Road	50.30	1.40	29.70	2.03	83.43
East Sutherland & Edderton		198.68	2.07	28.22	9.63	238.59
	Brora, Gower Street Car Park	20.03	0.41	0.71	4.31	25.46
	Brora, Recycling Centre	4.50	0.15	1.94	-	6.59
	Dornoch, Business Park	15.51	0.59	11.97	2.15	30.22
	Edderton, Village Hall	3.52	0.19	3.00	0.82	7.52
	Embo, Grannie's Heilan Hame	3.92	0.37	3.53	-	7.82
	Golspie, GREAN	126.66	--	--	-	126.66
	Helmsdale, Bridge Car Park	13.62	0.37	7.07	1.37	22.43
	Kinbrace, Opposite Kinbrace School	3.66	-	-	0.20	3.86
	Rogart, Auction Mart	7.26	--	--	0.78	8.04
Eilean a' Chéo		224.11	8.17	124.15	46.31	402.74
	Armadale, Pier Car Park	9.15	0.30	8.66	2.06	20.17
	Armadale, Sabhal Mor Ostaig	4.73	0.41	9.19	1.49	15.81
	Braes, Community Hall	2.51	0.07	1.41	0.36	4.35
	Broadford, Filling Station Car Park	41.17	0.74	19.85	7.31	69.07
	Carbost, Carbostbeg	10.76	0.42	5.48	0.73	17.38
	Dunvegan, Public Toilets Car Park	26.52	1.19	10.62	2.36	40.69
	Edinbane, Lodge Hotel	2.99	0.37	2.65	0.52	6.53
	Fairy Bridge,	7.44	--	--	-	7.44
	Glendale, Borrodale School Car Park	3.36	0.49	5.15	-	8.99
	Kilvaxter, Village Hall	3.43	0.22	1.27	1.35	6.27
	Kyleakin, Car Park	10.80	0.26	4.59	0.85	16.49
	Portree, Bayfield Car Park	10.56	0.37	7.05	1.88	19.86
	Portree, High School car park, Viewfield Road	2.69	0.07	5.86	-	8.62
	Portree, Recycling Centre	16.30	0.96	12.49	11.43	41.17
	Raasay, Public Toilets	6.22	-	-	-	6.22
	staffin, columba 1400	6.42	0.31	1.55	2.91	11.18
	Struan, Layby 1 mile NW of village	6.48	0.57	2.69	0.63	10.36
	Uig, Ferry Terminal Car Park	6.28	0.22	5.46	1.51	13.46
	Sligachan, Slighachan Hotel	4.17	0.15	1.06	0.26	5.64
	Portree, Co-op	42.15	1.06	19.14	10.69	73.04
Fort William & Ardnamurchan		238.08	20.75	236.68	27.51	523.02
	Acharacle, Public Toilets	25.38	0.63	11.84	-	37.85
	Ardgour, Primary School	7.57	0.33	11.49	2.30	21.68
	Ballachulish, Pier	19.01	0.67	5.90	0.94	26.51
	Fort William, Ben Nevis Bar	8.75	--	--	-	8.75
	Fort William, Inverlochey Shopping Centre	6.36	0.78	10.21	1.23	18.57
	Fort William, Lidl's, Camanachd Crescent	7.90	0.77	8.48	0.52	17.67
	Fort William, Morrisons	27.91	2.72	28.22	6.25	65.10
	Fort William, Recycling Centre Ben Nevis Ind Est	54.21	8.22	92.34	10.93	165.70

Ward name	Address	Glass	Cans	Paper	Textiles	Grand Total
Inverness Central		246.54	6.71	129.38	34.73	417.35
	Inverness, Co-op, Telford Street	54.44	1.67	50.85	9.85	116.80
	Inverness, Highland Council HQ, Glenurquhart Road	7.28	0.48	4.06	0.53	12.35
	Inverness, Lidl's, Telford Road	26.24	1.02	19.91	0.87	48.03
	Inverness, Morrisons, Millburn Road	95.34	1.77	26.99	13.84	137.94
	Inverness, Tesco, King Street	53.42	1.63	25.27	8.66	88.98
	Inverness, Thornbush Road, South Kessock	9.82	0.15	2.30	0.98	13.25
Inverness Millburn		170.43	11.88	184.56	91.39	458.26
	Inverness, B&Q, Longman Road	19.01	0.48	9.90	3.09	32.47
	Inverness, Recycling Centre, Henderson Drive	151.42	11.25	172.19	88.09	422.95
	Inverness, Raigmore, Woodside Terrace	-	0.15	2.47	0.22	2.84
Inverness Ness-side		44.57	1.14	19.97	2.52	68.19
	Inverness, Drumblair Stores, Dores Road	25.44	--	--	-	25.44
	Inverness, Old Town Road, Hilton	19.14	1.14	19.97	2.52	42.75
Inverness South		239.43	5.94	125.21	51.90	422.48
	Daviot, Quarry Car Park	5.05	0.15	2.12	0.54	7.86
	Inverness, Caulfield Road, Cradlehall	25.61	0.99	19.62	2.84	49.06
	Inverness, Milton of Leys, Sandalwood	16.73	--	--	5.46	22.18
	Inverness, Tesco, Inshes Retail Park	173.63	4.65	99.05	42.22	319.56
	Tomatin, next to sewage works	18.41	0.15	4.42	0.84	23.82
Inverness West		57.39	2.17	37.58	5.96	103.09
	Inverness, Aquadome, Bught Park	17.83	0.30	9.46	1.21	28.80
	Inverness, Charleston Shops, Kinmylies	25.02	1.11	17.80	2.41	46.33
	Inverness, James Cameron Community Centre	-	0.11	1.41	0.35	1.87
	Inverness, Laidlaw shop, Bruce Gardens	14.55	0.65	8.91	1.99	26.10
Landward Caithness		108.18	7.22	102.80	27.43	245.63
	Bower, Seater Landfill	1.64	-	0.53	-	2.17
	Castletown, Main St Car Park	10.78	0.77	10.60	4.06	26.21
	Dunbeath, Public Toilets at Harbour	4.63	0.30	3.18	1.02	9.12
	Dunnet, Britannia Hall	7.10	0.41	5.30	1.52	14.33
	Halkirk, Sinclair Street	11.15	0.89	23.43	1.57	37.04
	John O'Groats, Car & Coach Park	5.68	0.48	7.48	3.24	16.89
	Keiss, Post Office	3.28	0.52	-	-	3.79
	Lybster, Next to Police Station	7.39	0.37	4.59	3.08	15.43
	Reay, Golf Course	8.82	0.37	3.88	-	13.07
	Thrumster, Finlayson Place	2.05	0.30	4.06	0.81	7.22
	Thurso, Recycling Centre, Janetstown	41.16	2.61	34.82	10.82	89.40
	Watten, Achingale Place	4.51	0.22	4.93	1.31	10.97
Nairn		207.34	9.24	92.26	11.36	320.20
	Ferness, Village Hall	5.39	0.07	1.46	-	6.93
	Nairn, Public Toilet, Harbour Street	40.96	1.32	13.77	1.67	57.72
	Nairn, Recycling Centre, Park Quarry	77.84	5.41	53.26	5.81	142.33
	Nairn, Somerfield, King Street	83.15	2.43	23.76	3.89	113.23
North, West & Central Sutherland		144.82	9.96	104.01	13.30	272.09
	Bettyhill, Bettyhill Hotel Car Park	7.27	0.58	7.05	0.53	15.44
	Bonar Bridge, Industrial Estate	29.70	0.59	5.56	1.45	37.29
	Bonar Bridge, Recycling Centre	--	--	--	-	-
	Durness, Durness, Village Square	8.55	1.01	11.22	0.81	21.59
	Durness, Recycling Centre	--	--	--	-	-
	Kinlochbervie, Harbour Car Park	5.57	0.81	23.11	0.83	30.32
	Lairg, Lairg, Sutherland Transport Car Park	30.79	0.88	5.53	1.71	38.92
	Lairg, Recycling Centre	2.74	0.11	1.59	0.14	4.58
	Lochinver, Kirk Road	1.00	0.30	3.71	-	5.01
	Lochinver, Main Street Car Park	21.35	1.61	11.82	1.55	36.33
	Lochinver, Recycling Centre	2.84	0.30	2.83	-	5.96
	Melvich, Public Toilets	8.86	0.50	4.90	2.67	16.92
	Rosehall, Invercassley Stores	8.39	0.15	2.30	0.53	11.36
	Scourie, Football Pitch	8.04	1.18	9.04	0.56	18.81
	Tongue, Cemetary Car Park	6.56	1.36	11.83	0.68	20.44
	Tongue, Recycling Centre	0.66	0.15	1.06	1.86	3.72
	Clachtoll, Caravan Park	2.50	0.44	2.47	-	5.41

Ward name	Address	Glass	Cans	Paper	Textiles	Grand Total
Tain & Easter Ross		182.51	6.26	65.74	18.39	272.90
	Balintore, Public Toilets, Harbour	9.98	0.99	4.95	1.41	17.33
	Fearn, Fearn Hotel	6.82	0.30	2.65	0.91	10.68
	Inver, Village Hall	3.41	0.44	2.83	-	6.68
	Milton, Milton Inn	4.94	0.30	3.00	0.93	9.17
	Portmahomack, Main Street Car Park	11.63	0.44	5.30	0.68	18.06
	Tain, Co-op	55.39	0.66	8.52	2.88	67.44
	Tain, Lidl, Morangie Road	35.16	0.81	9.84	3.84	49.66
	Tain, Recycling Centre	53.48	2.24	26.00	7.06	88.78
	Tain, Tesco, Station Road	1.70	0.07	2.65	0.68	5.11
Thurso		74.99	4.45	56.75	15.66	151.85
	Thurso, Lidl	38.92	2.02	23.23	4.08	68.25
	Thurso, Riverside Car Park	36.07	1.84	23.14	6.41	67.46
	Thurso, Tesco , A882	--	0.59	10.38	5.18	16.15
Wester Ross, Strathpeffer & Lochalsh		418.26	20.86	254.33	28.09	721.53
	Achiltibuie, County Shed	12.44	0.96	11.83	2.34	27.58
	Achmore, Village Hall	3.15	0.19	1.41	-	4.74
	Achnasheen, Old Filling Station	5.68	0.22	3.18	0.44	9.52
	Applecross, Public Toilets	9.07	0.80	9.90	-	19.76
	Aultbea, Clapper Bridge	16.29	1.53	14.21	0.79	32.82
	Balmacara, Lay-by opposite war memorial	5.78	0.15	1.41	0.58	7.92
	Contin, Old School Hall	25.11	0.37	3.53	0.24	29.25
	Dornie, Village Hall	10.99	0.48	4.59	1.34	17.39
	Dundonnell, Dundonnell Hotel	10.46	0.44	5.98	0.58	17.46
	Gairloch, Community Centre	27.38	2.46	40.99	2.43	73.25
	Gairloch, Old Inn	3.85	0.55	1.59	-	5.98
	Gairloch, Recycling Centre	9.26	0.70	7.07	0.30	17.33
	Gairloch, Sands Caravan Park	4.70	0.55	4.59	0.03	9.87
	Garve, Matheson Road	12.44	0.22	3.18	0.25	16.08
	Glenelg, Village Hall	6.85	0.29	0.88	-	8.03
	Inchbae Lodge Hotel, A835	1.40	-	-	-	1.40
	Kinlochewe, Car Park	19.39	0.69	8.17	0.58	28.81
	Kyle of Lochalsh, Coop	-	--	9.54	4.95	14.49
	Kyle of Lochalsh, Public Toilets Car Park	17.73	0.41	--	1.68	19.81
	Lochcarron, Council roads depot	27.09	2.11	27.56	1.14	57.91
	Marybank, Balloan House Hotel	4.24	0.15	1.41	0.42	6.22
	Plockton, Car Park	20.49	0.30	4.06	0.62	25.46
	Poolewe, Garage	16.91	1.18	12.22	1.02	31.32
	Shiel Bridge, Shop	7.16	0.59	3.53	0.53	11.81
	Shieldaig, Mary Street	12.07	0.81	5.75	0.58	19.21
	Strathconon, Milton	5.10	0.07	0.71	-	5.88
	Strathpeffer, Old Station Car Park	22.30	0.52	4.24	0.86	27.91
	Torrison, Loch Torrison Hotel	14.93	0.52	4.63	0.30	20.37
	Ullapool, Latheron Lane Car Park	66.55	2.99	44.93	5.53	119.99
	Ullapool, Recycling Centre	19.47	0.63	13.23	0.61	33.94
Wick		84.25	5.54	75.71	27.82	193.32
	Wick , Recycling Centre, Airport Industrial Estate	19.12	2.10	18.84	5.16	45.22
	Wick , Tesco	28.47	1.23	23.34	10.60	63.65
	Wick, Co-op Angle Park	15.45	1.10	9.36	7.30	33.20
	Wick, Lidl	14.22	0.92	17.73	3.38	36.25
	Wick, Haldanes	6.99	0.19	6.44	1.39	15.01

APPENDIX C - Recycling Centres (by site) / PÀIPEAR-TAICE C – Ionadan Ath-chuairteachaidh (a rèir làrach)

Area	Location	Year	Batteries -		Bikes	Bric a brac	Cans	Card-board	Furniture	Gas cylinders	Glass	Green waste	Hardcore	Metals	Mixed Dry Recyclates	Oil filters	Paper	Plaster board	Plastic	Tetrapaks	Textiles	Tyres	WEEE - Cooling	WEEE - CRTs	WEEE - GDLs	WEEE - LDAs	WEEE - SDAs	Wood	Total Recycled	MSW	Recycling rate	
			Batteries - automotive	post consumer																												
Badenoch & Strathspey			6.8	0.3	--	--	10.3	139.38	9.6	0.0	125.7	390.3	542.1	362.6	--	5.8	1.6	100.0	--	17.3	3.9	8.3	8.2	45.0	41.3	--	26.6	8.6	640.7	2494.4	1322.1	65.4%
	Achnagonalin		--	0.1	--	--	3.4	35.5	--	--	47.5	145.0	212.7	113.7	--	2.6	--	24.2	--	5.9	--	2.1	--	--	--	--	--	--	176.8	769.4	425.5	64.4%
		2009-2010	--	--	--	--	1.6	17.86	--	--	20.4	69.0	118.3	56.5	--	1.4	--	11.3	--	2.5	--	1.2	--	--	--	--	--	77.2	377.3	194.4	66.0%	
		2010-2011	--	0.1	--	--	1.8	17.64	--	--	27.1	76.0	94.4	57.1	--	1.2	--	12.9	--	3.3	--	0.9	--	--	--	--	--	99.6	392.0	231.1	62.9%	
	Aviemore		3.8	0.2	--	--	6.9	103.88	9.6	0.0	78.2	141.6	329.5	180.4	--	2.2	1.0	75.8	--	11.5	3.9	6.2	5.8	45.0	41.3	--	26.6	8.6	295.2	1377.0	604.8	69.5%
		2009-2010	2.3	--	--	--	3.3	56.98	7.4	0.0	33.6	65.3	176.9	103.1	--	1.1	0.6	31.5	--	5.5	1.7	2.8	4.6	24.4	15.5	--	2.0	0.5	139.2	678.3	286.6	70.3%
		2010-2011	1.5	0.2	--	--	3.6	46.9	2.2	0.0	44.6	76.3	152.5	77.3	--	1.1	0.4	44.3	--	5.9	2.2	3.4	1.2	20.6	25.9	--	24.6	8.1	156.0	698.8	318.2	68.7%
	Kingussie		3.0	0.0	--	--	--	--	--	--	103.7	--	68.6	--	1.0	0.6	--	--	--	--	--	2.5	--	--	--	--	--	168.6	348.0	291.8	54.4%	
		2009-2010	2.3	--	--	--	--	--	--	--	49.1	--	31.9	--	0.6	0.4	--	--	--	--	--	--	--	--	--	--	--	70.8	155.2	127.9	54.8%	
		2010-2011	0.8	0.0	--	--	--	--	--	--	54.6	--	36.7	--	0.3	0.2	--	--	--	--	--	2.5	--	--	--	--	--	97.8	192.9	163.9	54.1%	
Caithness			4.5	0.3	--	26.1	20.3	372.4	31.3	12.4	113.6	598.6	2087.7	595.9	--	10.3	1.0	96.0	--	21.0	3.4	37.7	53.0	112.1	147.3	--	130.2	64.1	244.5	4783.7	3521.1	57.6%
	Seater		--	--	--	--	5.42	--	2.3	2.6	--	9.9	62.7	--	0.5	0.2	--	--	--	--	--	6.7	1.0	3.3	--	5.7	1.9	44.4	146.5	378.9	27.9%	
		2009-2010	--	--	--	--	1.2	--	1.1	1.0	--	9.9	38.4	--	0.2	0.2	--	--	--	--	--	--	--	--	--	--	--	33.8	85.6	189.2	31.2%	
		2010-2011	--	--	--	--	4.22	--	1.2	1.6	--	0.0	24.3	--	0.3	0.0	--	--	--	--	--	6.7	1.0	3.3	--	5.7	1.9	10.6	60.8	189.6	24.3%	
	Thurso		3.0	0.2	--	16.6	5.0	172.88	24.7	5.2	73.2	351.5	1045.4	294.2	--	5.0	0.6	62.5	--	12.3	3.4	26.9	16.3	38.9	64.2	--	63.4	33.9	146.0	2465.1	1653.6	59.9%
		2009-2010	2.3	--	--	8.0	2.4	79.84	7.4	2.4	37.0	160.7	544.3	149.8	--	2.6	0.4	27.7	--	6.6	1.6	16.1	6.0	15.6	11.5	--	10.0	4.6	76.5	1173.2	836.7	58.4%
		2010-2011	0.8	0.2	--	8.6	2.6	93.04	17.2	2.7	36.2	190.8	501.1	144.4	--	2.4	0.2	34.8	--	5.7	1.8	10.8	10.4	23.2	52.7	--	53.5	29.2	69.5	1291.8	816.8	61.3%
	Wick		1.5	0.2	--	9.6	15.3	194.1	6.6	4.9	37.8	247.1	1032.4	239.1	--	4.8	0.2	33.5	--	8.7	--	10.7	30.0	72.2	79.9	--	61.1	28.4	54.1	2172.2	1488.7	59.3%
		2009-2010	0.0	--	--	4.3	1.9	98.52	2.4	2.0	18.7	123.9	504.6	125.8	--	1.8	0.0	14.7	--	4.5	--	5.6	16.6	50.5	27.4	--	6.0	4.5	29.9	1043.7	755.4	58.0%
		2010-2011	1.5	0.2	--	5.3	13.3	95.58	4.3	2.9	19.1	123.2	527.9	113.3	--	3.0	0.2	18.8	--	4.2	--	5.2	13.3	21.8	52.5	--	55.1	23.9	24.2	1128.5	733.3	60.6%
Inverness			36.0	1.7	--	--	21.4	900.81	62.7	9.9	308.5	4081.9	8362.4	734.2	--	21.6	0.6	311.7	--	75.3	--	226.7	66.4	209.5	479.1	1.1	516.0	218.6	1448.6	18094.6	8509.1	68.0%
	Henderson Drive		36.0	1.7	--	--	21.4	900.81	62.7	9.9	308.5	4081.9	8362.4	734.2	--	21.6	0.6	311.7	--	75.3	--	226.7	66.4	209.5	479.1	1.1	516.0	218.6	1448.6	18094.6	8509.1	68.0%
		2009-2010	25.8	--	--	--	10.2	469.14	35.6	4.3	157.0	2266.8	3912.4	399.8	--	12.3	0.0	139.5	--	37.6	--	138.8	30.1	112.9	223.5	--	295.2	27.3	788.2	9086.3	4381.9	67.5%
		2010-2011	10.2	1.7	--	--	11.3	431.67	27.1	5.7	151.4	1815.1	4450.0	334.4	--	9.3	0.6	172.2	--	37.7	--	87.9	36.3	96.6	255.6	1.1	220.8	191.3	660.4	9008.3	4127.2	68.6%

Area	Location	Year	Batteries - automotive	Batteries - post consumer	Bikes	Bric a brac	Card- Cans board	Furniture	Gas cylinders	Glass	Green waste	Hardcore	Metals	Mixed Dry Recyclates	Oil filters	Paper	Plaster board	Plastic	Tetrap aks	Textiles	Tyres	WEEE - Cooling	WEEE - CRTs	WEEE - GDLs	WEEE - LDAs	WEEE - SDAs	WEEE - Wood	Total Recycled	MSW	Recycling rate		
Lochaber			15.0	0.2	--	11.8	15.4	1049.3	49.3	3.1	103.3	492.9	527.2	505.1	--	4.7	2.0	152.6	--	20.4	4.2	22.1	18.8	73.4	115.4	--	70.3	40.8	1126.4	4423.5	1799.6	71.1%
	<u>Fort William</u>		15.0	0.2	--	11.8	15.4	1049.3	49.3	3.1	103.3	492.9	527.2	505.1	--	4.7	2.0	152.6	--	20.4	4.2	22.1	18.8	73.4	115.4	--	70.3	40.8	1126.4	4423.5	1799.6	71.1%
		2009-2010	7.5	--	--	6.2	7.2	558.8	29.0	2.2	49.1	251.6	294.1	309.5	--	2.3	1.0	60.3	--	8.2	2.0	10.4	9.6	39.1	44.6	--	13.2	4.8	648.3	2358.9	937.2	71.6%
		2010-2011	7.5	0.2	--	5.5	8.2	490.5	20.3	0.9	54.2	241.2	233.1	195.6	--	2.4	1.0	92.3	--	12.2	2.2	11.8	9.2	34.3	70.7	--	57.1	35.9	478.1	2064.6	862.4	70.5%
Nairn			0.0	0.2	--	--	9.3	172.1	11.0	0.0	151.8	976.3	849.8	187.5	--	4.4	0.0	89.3	15.9	24.5	4.7	11.2	16.5	72.9	94.1	0.2	62.6	17.0	251.1	3022.4	1408.2	68.2%
	<u>Nairn</u>		0.0	0.2	--	--	9.3	172.1	11.0	0.0	151.8	976.3	849.8	187.5	--	4.4	0.0	89.3	15.9	24.5	4.7	11.2	16.5	72.9	94.1	0.2	62.6	17.0	251.1	3022.4	1408.2	68.2%
		2009-2010	0.0	--	--	--	3.9	95.9	7.0	0.0	73.9	599.8	370.8	92.5	--	2.4	0.0	36.1	--	14.8	1.7	5.4	9.4	50.1	47.2	--	34.7	1.5	60.3	1507.4	817.2	64.8%
		2010-2011	0.0	0.2	--	--	5.4	76.2	4.0	0.0	77.8	376.5	479.0	95.0	--	2.0	0.0	53.3	15.9	9.7	3.0	5.8	7.2	22.8	46.9	0.2	27.8	15.5	190.8	1515.0	591.1	71.9%
Ross & Cromarty			29.3	0.4	23.5	--	20.9	561.5	37.3	4.1	387.9	2206.6	3216.8	488.0	--	14.8	5.4	275.9	27.4	72.2	7.6	119.5	51.5	110.3	256.5	0.5	252.9	122.8	798.1	9091.6	5149.1	63.8%
	<u>Alness</u>		11.3	0.1	1.9	--	5.6	158.7	--	0.7	82.6	554.1	1113.9	138.3	--	3.4	2.2	70.8	--	26.4	--	11.7	16.2	22.7	74.3	0.2	26.2	41.4	169.9	2532.6	2081.1	54.9%
		2009-2010	5.3	--	1.2	--	2.9	76.6	--	0.0	43.8	303.9	573.6	77.2	--	1.8	1.2	32.0	--	13.8	--	5.1	6.2	14.2	34.4	--	1.9	4.1	82.9	1282.1	879.6	59.3%
		2010-2011	6.0	0.1	0.7	--	2.6	82.1	--	0.7	38.8	250.2	540.3	61.2	--	1.6	1.0	38.8	--	12.7	--	6.6	10.0	8.5	39.9	0.2	24.3	37.3	86.9	1250.5	1201.5	51.0%
	<u>Dingwall</u>		13.5	0.1	16.4	--	11.1	249.1	37.3	3.1	190.4	1402.0	1131.3	220.4	--	7.7	2.2	147.7	27.4	28.9	7.6	95.1	18.0	55.8	120.7	0.3	166.8	60.1	514.3	4527.5	1586.5	74.1%
		2009-2010	8.3	--	8.5	--	6.0	123.7	17.9	0.9	93.9	764.6	498.7	106.7	--	3.7	1.2	60.7	--	15.6	3.4	56.5	9.1	28.3	51.3	--	94.8	6.8	238.8	2199.3	829.5	72.6%
		2010-2011	5.3	0.1	7.9	--	5.2	125.3	19.4	2.2	96.5	637.4	632.6	113.8	--	4.0	1.0	87.1	27.4	13.3	4.2	38.7	9.0	27.6	69.3	0.3	72.0	53.3	275.5	2328.2	757.0	75.5%
	<u>Tain</u>		4.5	0.1	5.2	--	4.2	153.7	--	0.3	114.9	250.5	971.6	129.2	--	3.7	1.0	57.4	--	16.9	--	12.7	17.2	31.7	61.5	0.0	59.9	21.3	114.0	2031.5	1481.5	57.8%
		2009-2010	4.5	--	2.6	--	2.0	95.4	--	0.0	61.4	158.2	404.3	69.9	--	1.6	0.8	34.0	--	8.9	--	5.7	7.3	16.0	29.0	--	37.7	2.4	44.5	986.2	744.1	57.0%
		2010-2011	0.0	0.1	2.6	--	2.2	58.4	--	0.3	53.5	92.4	567.2	59.3	--	2.1	0.2	23.4	--	8.0	--	7.1	9.9	15.7	32.5	0.0	22.2	18.9	69.5	1045.2	737.4	58.6%
Skye & Lochalsh			6.0	0.1	--	--	1.6	10.6	--	1.2	27.3	261.5	--	261.1	18.5	3.9	0.8	22.6	--	0.3	--	27.3	21.2	61.0	56.1	0.1	84.1	20.0	112.1	997.4	1377.8	42.0%
	<u>Portree</u>		6.0	0.1	--	--	1.6	10.6	--	1.2	27.3	261.5	--	261.1	18.5	3.9	0.8	22.6	--	0.3	--	27.3	21.2	61.0	56.1	0.1	84.1	20.0	112.1	997.4	1377.8	42.0%
		2009-2010	3.0	--	--	--	0.7	0.9	--	1.2	11.0	152.1	--	178.4	0.9	2.0	0.4	9.4	--	0.3	--	15.8	14.4	35.6	20.6	--	34.9	1.9	110.0	593.6	613.1	49.2%
		2010-2011	3.0	0.1	--	--	1.0	9.7	--	0.0	16.3	109.4	--	82.7	17.5	1.9	0.4	13.2	--	0.0	--	11.4	6.7	25.4	35.6	0.1	49.2	18.1	2.1	403.8	764.7	34.6%

Area	Location	Year	Batteries -		Bikes	Bric a brac	Card- board	Gas Furniture	Gas cylinders	Green Glass waste	Green waste	Hardcore	Metals	Mixed Dry Recyclates	Oil filters	Paper	Plaster board	Plastic	Tetrap aks	Textiles	Tyres	WEEE - Cooling	WEEE - CRTs	WEEE - GDLs	WEEE - LDAs	WEEE - SDAs	Wood	Total Recycled	MSW	Recycling rate
			Batteries - automotive	post consumer																										
Sutherland			1.5	0.1	--	--	0.2	--	0.3	9.3	274.4	--	0.0	--	0.4	2.8	--	--	--	0.2	5.4	15.9	12.4	0.0	31.1	7.7	--	361.8	1957.8	15.6%
Bonar Bridge			0.8	0.0	--	--	--	--	0.2	--	148.9	--	--	--	0.2	--	--	--	--	--	2.7	8.3	7.9	0.0	16.3	3.8	--	189.1	786.0	19.4%
2009-2010			0.8	--	--	--	--	--	0.2	--	73.2	--	--	--	0.2	--	--	--	--	--	1.3	4.4	0.4	--	8.6	0.2	--	89.3	393.0	18.5%
2010-2011			0.0	0.0	--	--	--	--	0.0	--	75.7	--	--	--	0.0	--	--	--	--	--	1.4	3.9	7.5	0.0	7.8	3.6	--	99.8	393.0	20.3%
Durness			0.0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.0	1.0	0.0	1.8	0.9	--	4.7	366.0	1.3%
2009-2010			0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	--	--	0.4	0.5	--	1.0	226.0	0.4%
2010-2011			0.0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.9	1.0	0.0	1.4	0.3	--	3.6	140.0	2.5%
Lairg			0.8	0.0	--	--	0.2	--	0.1	9.3	125.5	--	0.0	--	0.2	2.8	--	--	--	0.2	2.7	6.6	3.6	0.0	13.0	3.1	--	168.0	805.8	17.3%
2009-2010			0.8	--	--	--	0.2	--	0.1	6.6	87.3	--	0.0	--	0.2	1.7	--	--	--	0.0	1.7	3.9	0.4	--	5.8	0.2	--	108.9	397.0	21.5%
2010-2011			0.0	0.0	--	--	0.0	--	0.0	2.7	38.2	--	0.0	--	0.0	1.1	--	--	--	0.1	1.1	2.7	3.1	0.0	7.2	2.9	--	59.1	408.8	12.6%

APPENDIX D - Transfer Stations (by site) / PÀIPEAR-TAICE D – Stèiseanan Gluasaid (a rèir làrach)

Area	Location	Year	Batteries -																	Total		Recycling rate								
			Batteries - automotive	post consumer	Bikes	Bric a brac	Cans	Card-board	Furniture	Gas cylinders	Glass	Green waste	Hardcore	Metals	Mixed Dry Recyclates	Oil filters	Paper board	Plastic	Tetrapaks	Textiles	Tyres		WEEE - Cooling	WEEE - CRTs	WEEE - GDLs	WEEE - LDAs	WEEE - SDA	Wood	Recycled	MSW
Lochaber			--	--	--	--	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--	1.4	1.1	--	3.1	0.7	--	8.0	192.2	4.0%	
	Kilchoan		--	--	--	--	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--	1.4	1.1	--	3.1	0.7	--	8.0	192.2	4.0%	
		2009-2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	78.4	0.0%	
		2010-2011	--	--	--	--	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--	1.4	1.1	--	3.1	0.7	--	8.0	113.8	6.6%	
Ross & Cromarty			5.7	0.0	--	--	2.7	34.72	--	4.2	67.8	233.5	62.6	109.1	--	2.3	1.4	36.7	--	--	2.2	25.5	19.1	0.0	26.9	10.8	47.8	693.2	7459.0	8.5%
	Gairloch		2.3	0.0	--	--	1.2	--	--	1.6	19.9	59.0	--	38.5	--	--	0.6	12.9	--	--	0.0	13.6	11.0	0.0	15.2	6.7	--	182.4	4443.4	3.9%
		2009-2010	0.8	--	--	--	0.5	--	--	--	10.6	33.5	--	22.5	--	--	0.2	5.8	--	--	0.0	5.4	1.2	--	1.8	1.5	--	83.8	2241.8	3.6%
		2010-2011	1.5	0.0	--	--	0.7	--	--	1.6	9.3	25.4	--	16.0	--	--	0.4	7.1	--	--	0.0	8.2	9.8	0.0	13.4	5.2	--	98.6	2201.6	4.3%
	Ullapool		3.4	0.0	--	--	1.5	34.72	--	2.6	47.9	174.6	62.6	70.5	--	2.3	0.8	23.9	--	--	2.2	11.9	8.1	0.0	11.7	4.1	47.8	510.8	3015.6	14.5%
		2009-2010	1.5	--	--	--	0.9	15.24	--	0.0	28.5	98.8	0.0	41.9	--	1.6	0.4	10.6	--	--	2.2	6.0	0.8	--	1.7	0.3	22.6	233.0	1484.2	13.6%
		2010-2011	1.9	0.0	--	--	0.6	19.48	--	2.6	19.5	75.8	62.6	28.7	--	0.7	0.4	13.2	--	--	0.0	5.8	7.4	0.0	10.0	3.8	25.2	277.8	1531.4	15.4%
Sutherland			6.0	0.0	2.5	--	0.8	2.26	--	2.8	17.3	591.1	--	126.0	--	3.9	1.4	10.3	--	--	24.1	55.3	35.0	0.0	60.5	16.5	--	956.0	14700.9	6.1%
	Achuvoldrach		0.8	0.0	--	--	0.3	--	--	--	2.0	--	--	24.0	--	--	0.4	1.8	--	--	--	6.4	4.1	0.0	5.8	2.4	--	47.9	2775.6	1.7%
		2009-2010	0.0	--	--	--	0.1	--	--	--	1.3	--	--	17.4	--	--	0.0	0.8	--	--	--	3.4	1.0	--	1.0	0.3	--	25.3	1423.8	1.7%
		2010-2011	0.8	0.0	--	--	0.1	--	--	--	0.7	--	--	6.6	--	--	0.4	1.1	--	--	--	3.0	3.2	0.0	4.7	2.1	--	22.6	1351.8	1.6%
	Ardachu		3.0	0.0	2.5	--	0.2	--	--	2.8	10.0	591.1	--	88.6	--	1.9	0.6	3.9	--	--	23.6	41.7	28.1	0.0	50.2	12.6	--	861.2	9328.8	8.5%
		2009-2010	3.0	--	1.2	--	0.1	--	--	1.1	5.5	341.0	--	48.0	--	0.5	0.6	2.9	--	--	13.5	27.3	0.9	--	21.1	0.5	--	467.3	5049.1	8.5%
		2010-2011	0.0	0.0	1.3	--	0.1	--	--	1.7	4.5	250.2	--	40.7	--	1.4	0.0	1.1	--	--	10.2	14.4	27.2	0.0	29.1	12.0	--	393.8	4279.7	8.4%
	Torbreck		2.3	0.0	--	--	0.3	2.26	--	--	5.4	--	--	13.4	--	2.0	0.4	4.6	--	--	0.5	7.1	2.8	0.0	4.6	1.5	--	47.0	2596.5	1.8%
		2009-2010	0.8	--	--	--	0.2	--	--	--	2.5	--	--	13.4	--	0.0	0.2	2.8	--	--	0.0	4.1	0.1	--	0.6	--	--	24.5	1285.9	1.9%
		2010-2011	1.5	0.0	--	--	0.1	2.26	--	--	2.8	--	--	0.0	--	2.0	0.2	1.8	--	--	0.5	3.0	2.7	0.0	4.0	1.5	--	22.5	1310.6	1.7%