

| | |
|---|---------------------------------|
| FOOD WASTE COLLECTION SERVICE | 7th June 2016 |
| TO: ENVIRONMENTAL SERVICES COMMITTEE | |
| FOR DECISION | |

| Linkage to Council Strategy (2015-19) | |
|--|---|
| Strategic Theme | Protecting and Enhancing our Environment and Assets |
| Outcome | Implementation of Statutory legislation |
| Lead Officer | Aidan Mullan |
| Cost: (If applicable) | Various |

1.0 INTRODUCTION OF BOROUGH WIDE FOOD WASTE COLLECTION SERVICE

The Food Waste Regulations (Northern Ireland) 2015 came into operation on 14th February 2015. These Regulations require the following:

- Separate collection of food waste;
- A ban on mixing separately collected food waste;
- A ban on landfilling separately collected food waste; and
- A ban on the non-domestic discharge of food waste into the public sewer network.

Key points of the Regulations are as follows:-

- Arrange to provide a receptacle to every domestic property in its area which enables the separate collection of food waste from the property. The requirement is for Councils to have provided receptacles to every domestic property for the separate collection of food waste from 1st April 2017.
- Take reasonable steps to promote separate collection of food waste.
- The Department will not prescribe that Councils provide a kitchen caddy or give guidance on specific receptacles or collection system.
- For Councils that are currently operating commingled food and bio-waste collections these will only continue to be allowed where a Council is satisfied that the amount of food waste collected is not significantly less than would be if food waste is collected separately from other wastes.

1.1 Current Position

The position for organic collection in the legacy areas is as follows:-

Ballymoney

| | |
|---|--------|
| Total Households | 11,672 |
| Garden Collection (240 litre brown bin) | 7,155 |
| Food Collection | 0 |

Coleraine

| | |
|----------------------------------|--------|
| Total Households | 30,000 |
| Garden Collection | 0 |
| Food Collection (Kerbside Caddy) | 15,000 |

Limavady

| | |
|---|--------|
| Total Households | 12,328 |
| Co-mingled Garden & Food Collection (240 litre brown bin) | 9,038 |

Moyle

| | |
|---|-------|
| Total Households | 6,818 |
| Co-mingled Garden & Food Collection (240 Litre brown bin) | 5,000 |

1.2 Options

1. Brown Bin commingled (food and garden) collection to all households
2. Separate food caddy collection and garden waste (brown bin) collection to all households.
3. Brown Bin (commingled) collection to urban areas and food caddy collection to rural areas.
4. Separate food caddy collection to all households with a garden waste (brown bin) collection to urban areas only.

1.3 Option 1

- All households to have food and garden waste collected in 240 litre bin (standard household size)
- Fortnightly collection

1.3.1 Option 1 Costs

| Item | Capital Cost | Revenue Cost | Other |
|--|--------------|------------------|-------|
| 40,000 Brown Bins | £800,000 | | |
| 32,000 Kitchen Caddies | £32,000 | | |
| Kerbside Caddies | n/a | | |
| Caddy Liners | | n/a | |
| Staff | | £300,000 / yr | |
| Refuse Vehicles (5) | | £156,000 / yr | |
| Fuel Cost | | £97,500 / yr | |
| Disposal Cost | | £190,8010 / yr | |
| Landfill Diversion | | (-£118,720 / yr) | |
| Additional biowaste (tonnes/yr) | | | 4240 |
| Additional Recycling | | | 3.6% |
| Approx annual revenue costs = £625,580 | | | |

1.4 Option 2

- All households to have food waste collected in kerbside caddies (weekly collection)
- All households to have garden waste collected in brown bins for 8 months of the year (fortnightly collection)

1.4.1 Option 2 Costs

| Item | Capital Cost | Revenue Cost | Other |
|---|--------------|------------------|-------|
| 40,000 Brown Bins | £800,000 | | |
| 32,000 Kitchen Caddies | £32,000 | | |
| 46,000 Kerbside Caddies | £119,600 | | |
| Caddy Liners (3 mth starter pack per household) | | £47,438 | |
| Staff | | £550,000 / yr | |
| Refuse Vehicles (5 RCV + 5 Food) | | £239,500 / yr | |
| Fuel Cost | | £141,000 / yr | |
| Disposal Cost | | £102,680 / yr | |
| Landfill Diversion | | (-£169,120 / yr) | |
| Additional biowaste (tonnes/yr) | | | 6040 |
| Additional Recycling | | | 4.97% |
| Approx annual revenue costs = £864,060 | | | |

1.5 Option 3

- Commingled brown bin (food and garden) collection to urban areas only collected fortnightly.
- Food Caddy collection to rural areas collected weekly.

1.5.1 Option 3 costs

| Item | Capital Cost | Revenue Cost | Other |
|---|--------------|---------------|-------|
| 21,000 Brown Bins | £420,000 | | |
| 31,780 Kitchen Caddies | £31,780 | | |
| 18,625 Kerbside Caddies | £48,425 | | |
| Caddy Liners (3 mth starter pack for households with caddies) | | £14,527 | |
| Staff | | £350,000 / yr | |
| Refuse Vehicles (3 RCV + 3 Food) | | £143,520 / yr | |
| Fuel Cost | | £84,600 / yr | |
| Disposal Cost | | £77,650 / yr | |
| Landfill Diversion | | (-£49,560) | |
| Additional biowaste (tonnes/yr) | | | 1770 |
| Additional Recycling | | | 1.55% |
| Approx annual revenue costs = £606,210 | | | |

1.6 Option 4

- Separate food collection to all households.
- Garden waste collected fortnightly in 240 litre brown bins to urban areas only (8 months of the year on)

1.6.1 Option 4 costs

| Item | Capital Cost | Revenue Cost | Other |
|---|--------------|---------------|-------|
| 21,000 Brown Bins | £420,000 | | |
| 45,818 Kitchen Caddies | £45,818 | | |
| 45,818 Kerbside Caddies | £119,126 | | |
| Caddy Liners (3 mth starter pack per household) | | £47,438 | |
| Staff | | £475,000 / yr | |
| Refuse Vehicles (3) & Caddy Lorries (5) | | £176,800 / yr | |
| Fuel Cost | | £102,000 / yr | |
| Disposal Cost | | £51,190 / yr | |
| Landfill Diversion | | (-£84,300) | |
| Additional biowaste (tonnes/yr) | | | 3012 |
| Additional Recycling | | | 2.63% |
| Approx annual revenue costs = £720,690 | | | |

1.7 Selection of Councils from England and Scotland

| Council | Recycling Rate | Black bin | Blue bin | Commingled Biowaste collection | Caddy collection | Garden waste collection |
|---------------------|----------------|-------------|--------------|--------------------------------|------------------|-------------------------|
| South Oxfordshire | 67.3% | fortnightly | fortnightly | n/a | Weekly | fortnightly with fee |
| Vale of white horse | 65.6% | fortnightly | fortnightly | n/a | Weekly | fortnightly with fee |
| Rochford district | 65.2% | fortnightly | fortnightly | Weekly | n/a | n/a |
| Inverclyde | 56.8% | fortnightly | fortnightly | n/a | Weekly | fortnightly - seasonal |
| Perth & Kinross | 56.5% | fortnightly | fortnightly | fortnightly | n/a | n/a |
| North Ayrshire | 56.5% | fortnightly | fortnightly | Weekly | n/a | n/a |
| South Somerset | 45.1% | fortnightly | Boxes-weekly | n/a | Weekly | fortnightly with fee |

1.8 Funding

Council may in the course of 2016-17 be able to make an application to the Rethink Waste Fund. The Department of Agriculture, Environment and Rural Affairs (DAERA) is still to determine if this fund will be made available to local government in the current financial year. A condition of this fund states that an application cannot be made retrospectively to claim monies for items procured. It may be the case that certain items (e.g. collection vehicles) are required to be procured in advance of the Department confirming Rethink Waste funding to ensure availability for April 2017.

1.9 Phased Approach

Members may wish to consider a phased approach to the implementation of a new collection service. This would involve a Phase 1 to ensure compliance with The Food Waste Regulations (Northern Ireland) 2015 and require the roll out of food waste caddies to all areas in the Borough not yet availing of any food waste collection system. The costs associated with this are tabled below.

| Item | Capital Cost | Revenue Cost | Other |
|--------------------------------------|--------------|--------------|-------|
| 31,780 Kitchen Caddies | £31,780 | | |
| 18,625 Kerbside Caddies | £48,425 | | |
| Caddy Liners (3 mth starter pack for | | £14,527 | |

| | | | |
|--|--|---------------|-------|
| households with caddies) | | | |
| Staff | | £200,000 / yr | |
| Refuse Vehicles (3 Food) | | £143,520 / yr | |
| Fuel Cost | | £26,100 / yr | |
| Disposal Cost | | £33,975 / yr | |
| Landfill Diversion | | (-£90,600) | |
| Additional biowaste (tonnes/yr) | | | 755 |
| Additional Recycling | | | 0.66% |
| Approx annual revenue costs = £327,522 | | | |

Future Phases would be agreed over the next 9 – 12 months with future reports to follow.

2.0 Recommendation

It is recommended that Council roll out food caddies to those households that currently do not have a food waste collection system as noted in the phased option above.