

# Feasibility of establishing an at-source FOG recycling partnership



# Project Aim

*To determine the feasibility of recovering FOG material from SW customers through the development of partnerships with Local Authorities and FOG collection companies.*

- Understand current UK & EU practices
- Establish customer preferences and behaviors for FOG recycling
- Identify Local Authorities and collection companies interested in the implementation of future FOG recovery initiatives



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Need For Change

Benefit our customers

Support business plan

Enhanced environmental reputation

Reducing costs to the business



**£3.85 million**



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# Customer Engagement Work Stream



## Objective

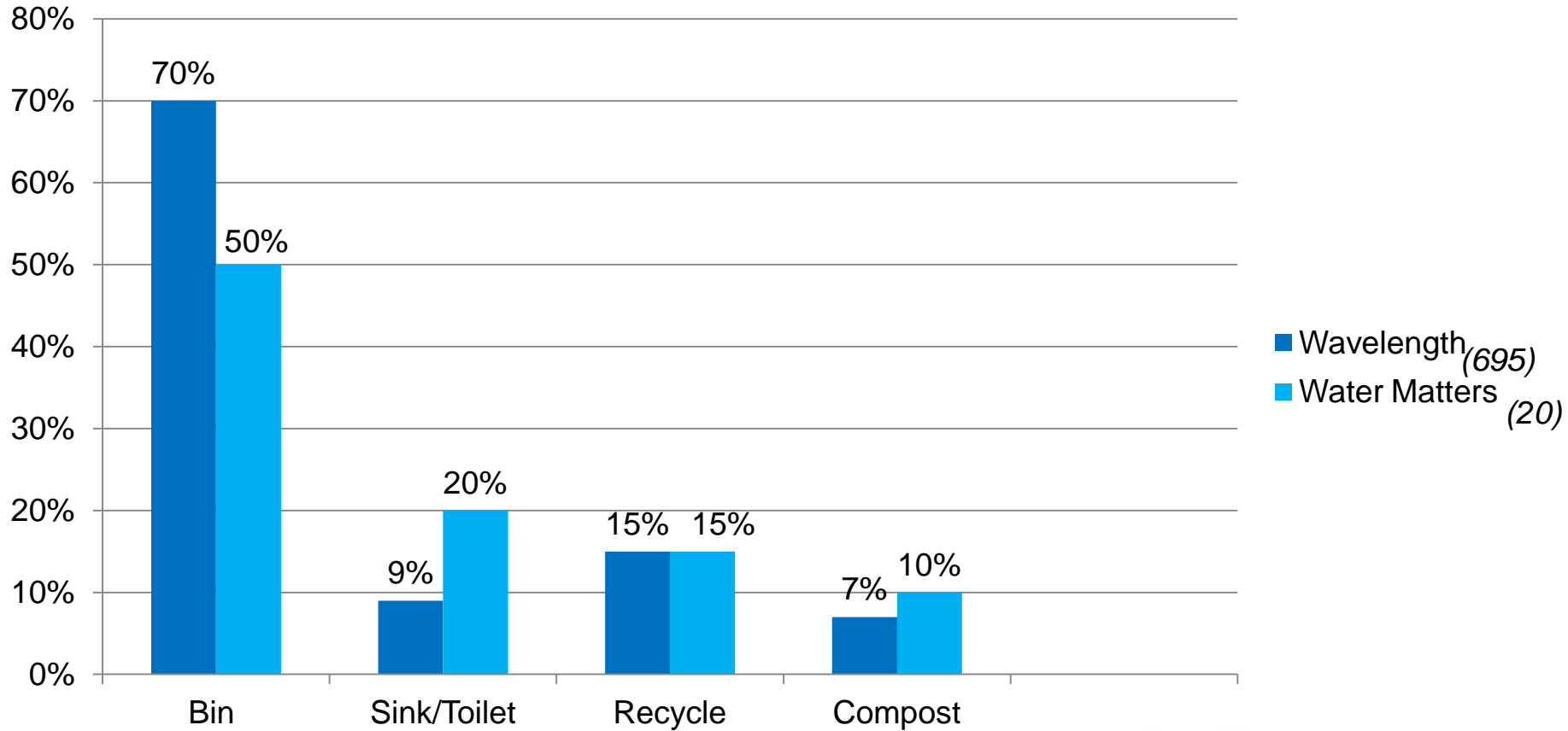
Understand internal and external customer's perceptions and behaviour relating to FOG



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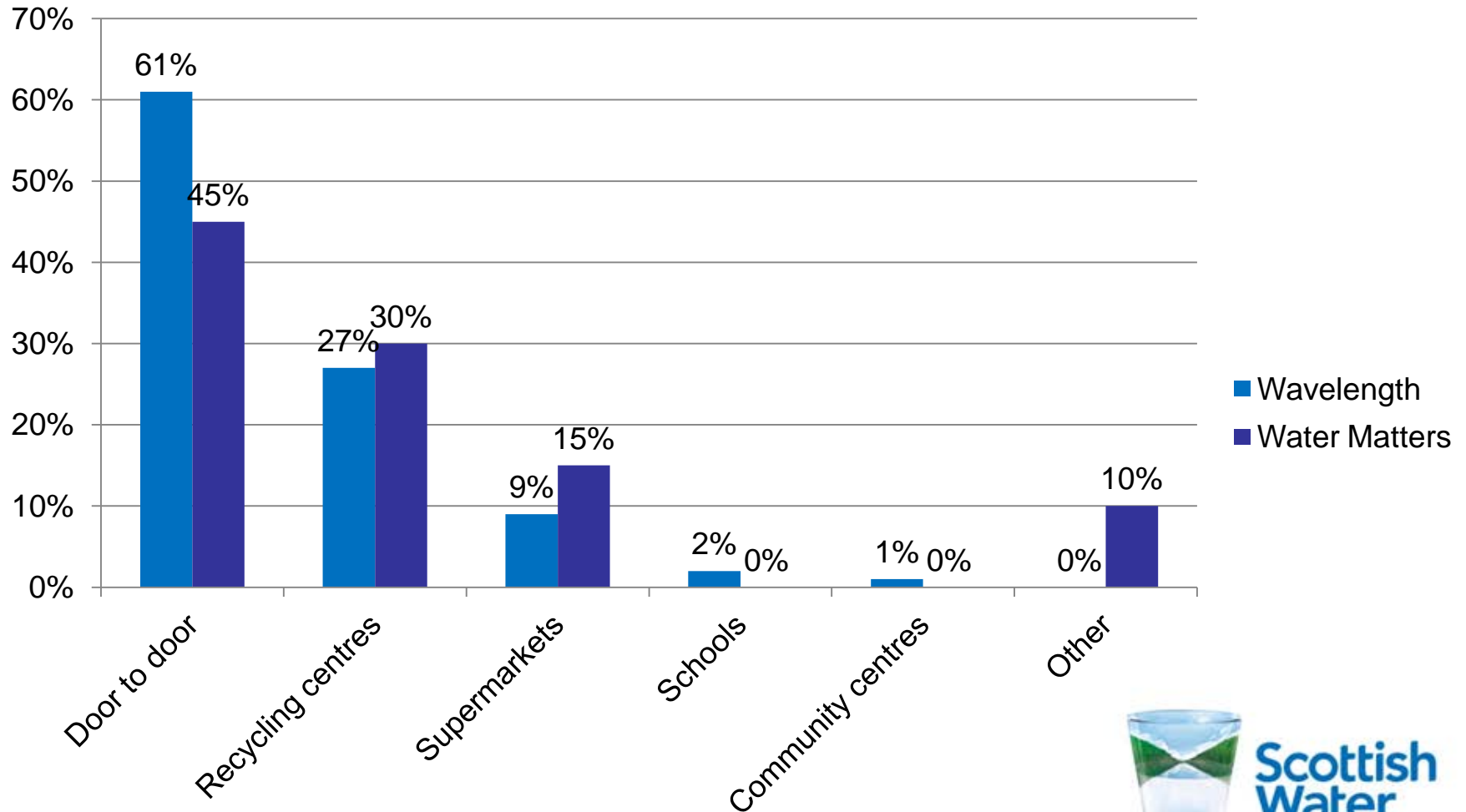
# Customer Response – method of disposal



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# Customer Response - method of collection



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# Water Matters discussion group - comments

**“I rinse them and put them in the bin..”**

**“..set up recycling methods that make it easier for people to get rid of their used grease”**

**“Educate the school kids and that way they will continue the trend and educate their families!”**

**“Oh no! I pour it down the sink...shouldn't I?”**

**“roll out the tubs!”**

**“Should be a combined effort between SW and local councils...”**

***“I do think that Scottish Water could encourage people to recycle fats, oils and grease”***

# Water Matters discussion group – main themes

- Lack of awareness of products constituting FOG
- All interested in recycling
- Would use 'Fat Vats' if available
- Asked for more information



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# Recycling Feasibility Work Stream



## Objectives

- 1.To establish current FOG recycling options within the UK
- 2.To assess feasibility of FOG recycling opportunities in Scotland



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# FOG Recycling in UK



## Severn Trent Water

Birmingham City Council

Oadby-Wigston Council

250,000l/year

Kerbside collections

## Yorkshire Water

85 Bradford Households

Door-to-door collections

Expensive



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# South Norfolk Council

November 2012

5 Tonnes FOG diverted to biodiesel  
- Containers recycled

Funnels used to promote scheme – Anglian Water

Promotional literature

No spills or vandalism

Supported by EA

+£1.3k



love every drop  
anglianwater



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# Routine collections



**Pilot**

**All FOG**

**Mainland**



**Bins and collection FOC**

**Bins**



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Edible Oil Storage – Paragraph 18 exception

Free registration

12 months storage

Bunded

3m<sup>3</sup>

No issues with Odours

Use of registered waste carriers

Care taken to prevent human or environmental harm



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# Local Authority discussions

Current UCO/FOG recycling in place

Number keen for further discussions

Identification of risks/blockers

More information

Discussed with Zero Waste Scotland



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# Summary – Final recommendations

- Potential to undertake a targeted approach to FOG recycling
- Implementation of customer awareness and educational programme
- Continuous engagement with external parties to identify potential partners to undertake initiative

# Thank you

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**NEW**  
COUNCIL WASTE SERVICE

# WE NOW COLLECT USED COOKING OIL AND FATS

Did you know that 55% of sewer blockages are caused by the wrong items being poured down the sink? This could result in raw sewage flooding into your home and garden.

Oadby and Wigston Borough Council in partnership with Severn Trent Water are introducing a kerbside collection to recycle the 250,000 litres of oil, grease and fats thrown away each year by residents of the borough.

We will collect any unwanted cooking oil and fats from deep fat fryers, grills, frying pans and baking trays (We DO NOT collect engine oil). When the waste is completely cool, pour into a dry plastic screw-top bottle, when nearly full leave in your glass box for the next glass collection in your area. The oil we collect is then sold to a reprocessing centre and turned into an environmentally friendly bio-fuel helping to keep your council tax low and protect the environment.



**OADBY & WIGSTON  
BOROUGH COUNCIL**



# HOW TO RECYCLE YOUR COOKING OIL AND FATS



## TOP TIP

ONE CUT REDUCES SHARP EDGES



**1. Cut Drink Bottle in Half**  
Rather than buy a funnel why not carefully cut a plastic drinks bottle in half using a pair of scissors. This will act as a funnel.

**2. Pour into Large Bottle**  
When the used oil and fats are cool use the funnel to pour into a large, empty, clean, screw-top plastic bottle (plastic milk bottles are ideal).

**3. Tighten Lid When Full**  
Once the bottle is almost full with unwanted oils and fats, place lid on bottle and tighten ready for recycling.

**4. Place in Glass Recycling Box**  
Place the oil and fats bottle on top of your kerbside glass recycling box (for easy sorting), along with your glass bottles for collection.

**WARNING**  
Hot oil can burn. Only handle when cold. Not to be carried out by minors.