

12 July 2018



Deposit Return Scheme

Environmental Association for Universities and Colleges

zerowastescotland.org.uk

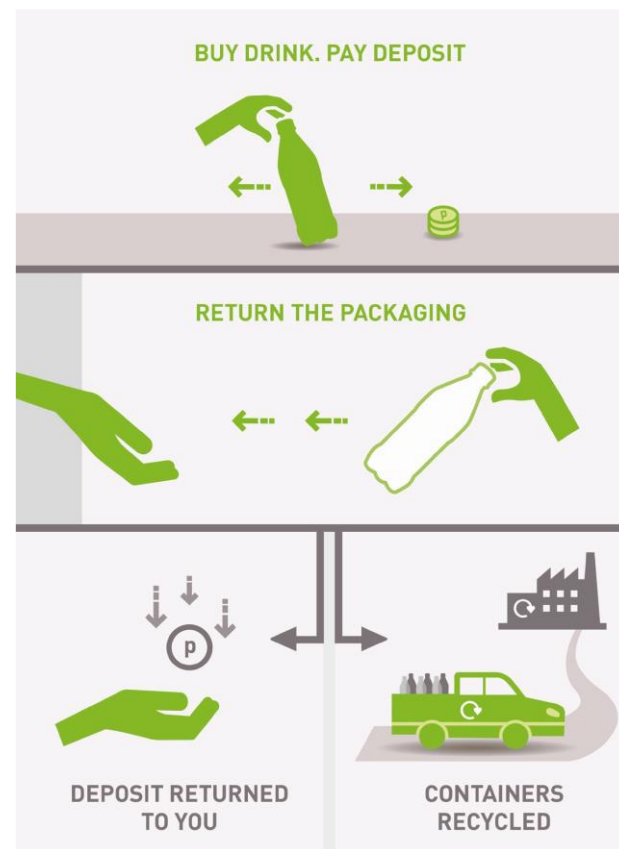
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Agenda

- What is a deposit return scheme?
- Overview of deposit return schemes
 - How deposit return schemes operate in practice
 - Deposit return scheme for Scotland
- Questions

What is DRS?

- Improve capture of target materials, increase quality of material, reduce litter and contribute to the development of a circular economy
- Examples in Europe, US, Canada, Australia etc.
- Extended producer responsibility



DRS in Practice



Approach

- Visits and discussions with schemes across the world
- 1-1 Interviews (to understand business as usual)
- Strategic conversations
- Sector reference workshops
- Data gathering
- Data modelling and sensitivity analysis
- Outputs have fed into Scottish Government public consultation

DRS for Scotland

- Principles
- Consultation launched on 27 June 2018
- Includes consultation, OBC, BRIA, EQiA and SEA
- No preferred option
- Feedback on components

A Deposit Return Scheme
for Scotland



Components

- Materials in Scope
- Products in Scope
- System Performance
- Return Locations
- Financing Model
- Consumer Information
- Fraud Prevention
- Deposit Level
- Infrastructure & Logistics
- Additional Benefits
- System Ownership
- System Regulation

Four Examples

- Example 1 – Take back to dedicated drop-off points
- Example 2 – Take back to dedicated drop-off points and some bigger shops (with cartons and cups)
- Example 3 – Take back to any place of purchase
- Example 4 - Take back to any place of purchase (with cartons and cups)

EXAMPLE

1

SCOTLAND'S DEPOSIT RETURN SCHEME
TAKE BACK TO DEDICATED DROP-OFF POINTS

BUY DRINK. PAY DEPOSIT



TAKE BACK TO A DEDICATED
DROP-OFF POINT

AROUND
1000 RETURN
POINTS
NATIONWIDE



DEPOSIT RETURNED
TO YOU



BOTTLES & CANS
RECYCLED

EXAMPLE

2

SCOTLAND'S DEPOSIT RETURN SCHEME
TAKE BACK TO DEDICATED DROP OFF POINTS AND
SOME BIGGER SHOPS

BUY DRINK. PAY DEPOSIT

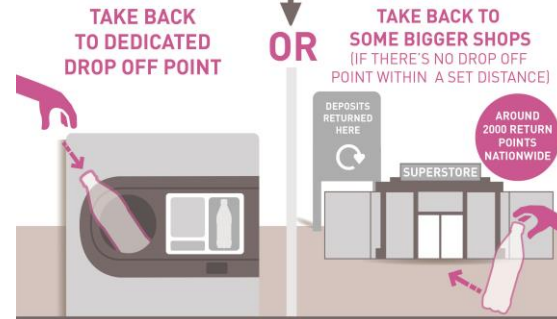


TAKE BACK
TO DEDICATED
DROP OFF POINT

OR

TAKE BACK TO
SOME BIGGER SHOPS
(IF THERE'S NO DROP OFF
POINT WITHIN A SET DISTANCE)

AROUND
2000 RETURN
POINTS
NATIONWIDE



DEPOSIT RETURNED
TO YOU



BOTTLES, CANS, CARTONS
& CUPS RECYCLED

CONTAINERS
RECYCLED

PET PLASTIC BOTTLES
GLASS BOTTLES
STEEL/ALUMINIUM
CANS



SCHEMES SIMILAR TO
THIS ALREADY EXIST IN:

AMERICA
AUSTRALIA

ANTICIPATED
RECYCLING RATE:

60%

WHERE

DEDICATED DROP
OFF POINTS WOULD
BE LOCATED IN
CONVENIENT
LOCATIONS IN
TOWNS.



CONTAINERS
RECYCLED

PET PLASTIC BOTTLES
HOPE PLASTIC BOTTLES
GLASS BOTTLES
CARTONS
SOME CUPS
STEEL/ALUMINIUM CANS



SCHEMES SIMILAR TO
THIS ALREADY EXIST IN:

CALIFORNIA, USA
MAINE, USA
BRITISH COLUMBIA, CANADA

ANTICIPATED
RECYCLING RATE:

70%

WHERE

DEDICATED DROP OFF
POINTS IN TOWNS. IF
THERE IS NOT ONE
WITHIN A SET DISTANCE,
CERTAIN PLACES THAT
SELL DRINKS WOULD
ALSO RETURN DEPOSITS



This example is one of four deposit return scheme design examples being presented as part of the public consultation on Scotland's deposit return scheme. Following feedback, scheme design components across all four examples may be combined to provide the final scheme design. This will be decided upon by the Scottish Government.



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EXAMPLE

3

SCOTLAND'S DEPOSIT RETURN SCHEME
TAKE BACK TO ANY PLACE OF PURCHASE

BUY DRINK. PAY DEPOSIT

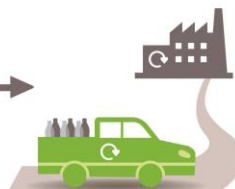


TAKE BACK TO ANY PLACE THAT SELLS DRINKS*

*TAKE BACK CAN BE BY MACHINE OR AT COUNTER



DEPOSIT RETURNED TO YOU



BOTTLES & CANS RECYCLED

EXAMPLE

4

SCOTLAND'S DEPOSIT RETURN SCHEME
TAKE BACK TO ANY PLACE OF PURCHASE
(WITH CARTONS AND CUPS)

BUY DRINK. PAY DEPOSIT

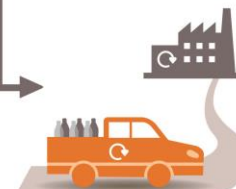


TAKE BACK TO ANY PLACE THAT SELLS DRINKS*

*TAKE BACK CAN BE BY MACHINE OR AT COUNTER



DEPOSIT RETURNED TO YOU



BOTTLES & CANS RECYCLED

CONTAINERS RECYCLED

- PET PLASTIC BOTTLES
- GLASS BOTTLES
- STEEL/ALUMINIUM CANS



SCHEMES SIMILAR TO THIS ALREADY EXIST IN:
SCANDINAVIA
BAL TIC STATES

ANTICIPATED RECYCLING RATE:

80%

WHERE

ANY PLACE THAT SELLS DRINKS



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CONTAINERS RECYCLED

- PET PLASTIC BOTTLES
- HDPE PLASTIC BOTTLES
- GLASS BOTTLES
- CARTONS
- SOME CUPS
- STEEL/ALUMINIUM CANS



SCHEMES SIMILAR TO THIS ALREADY EXIST IN:
THE CLOSEST SCHEMES TO THIS EXIST IN SCANDINAVIA AND THE BAL TIC STATES, BUT DON'T COLLECT CARTONS OR CUPS. THIS WOULD BE UNIQUE TO SCOTLAND

ANTICIPATED RECYCLING RATE:

80%

WHERE

ANY PLACE THAT SELLS DRINKS



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Headline 25 Year NPV

- Example 1: £494m
- Example 2: £352m
- Example 3: £745m
- Example 4: £990m

EAUC Considerations

- Waste disposal – savings?
- Litter – reduction?
- Retail
- Return location
- Others?



Thank you.

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