

# Lithuania's Deposit System

Public institution  
*Užsąta Sistemos Administratorius*



# Deposit system management

A public institution *Užstato Sistemos Administratorius (USAD)* is a non-profit organization that has an underlying objective of managing the deposit system as indicated in Law on Packaging and Packaging Waste

- **Founded and managed by directly involved industries**
  - › Lithuanian Brewers Association
  - › Association of Lithuanian Trade Enterprises
  - › Lithuanian Natural Mineral Water Manufacturers' Association

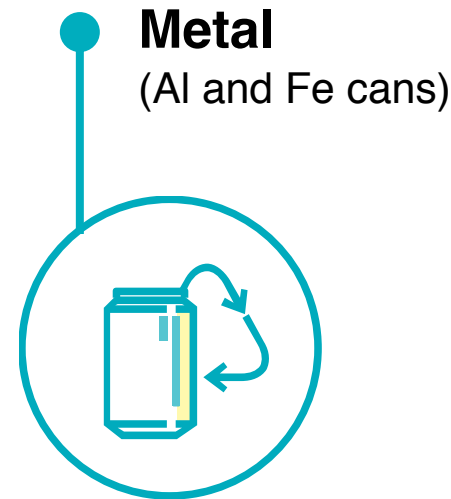


# Deposit system scope

**01/02/2016**

Mandatory deposit system for beverage packages launched in Lithuania

Beverage packages types in the mandatory deposit system (capacity from 0,10 to 3,0 litre):



# Deposit system scope

Beverage categories in the mandatory deposit system:

- › Beer, Beer mixes
- › Cider, Pear cider
- › Other fermented alcohol drinks and mixes
- › Non-alcoholic drinks
- › Water
- › Juices and nectars

*Annual volumes ~600 mln  
beverage containers*

# Deposit system infrastructure

- Amount of collection points and their types:

Reverse vending machine (RVM) points –

**close to 1.000**

Manual collection points –

**over 1.700**

**Total 2.700**

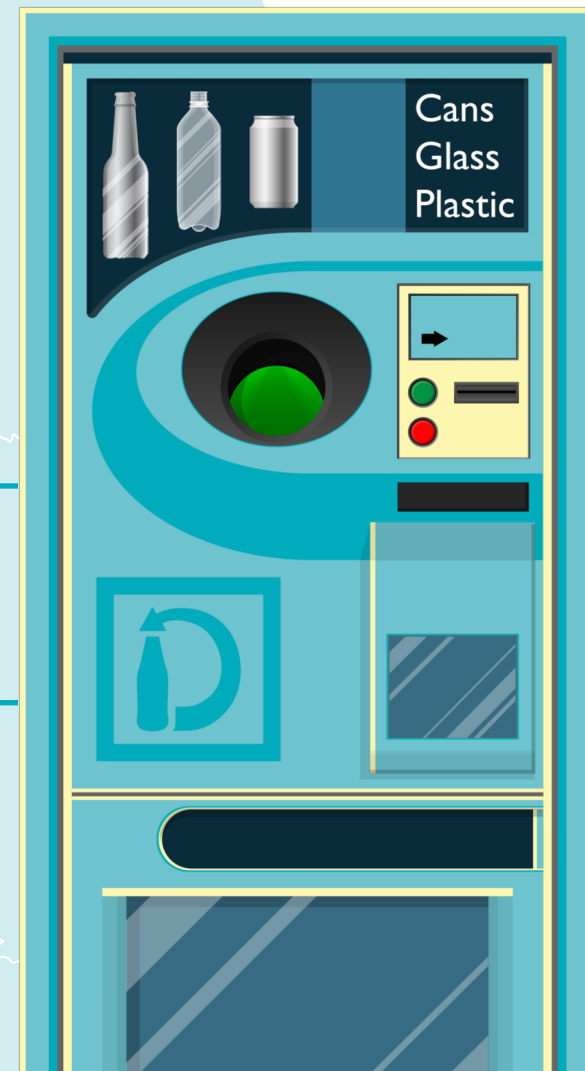
In total over

**1.100**

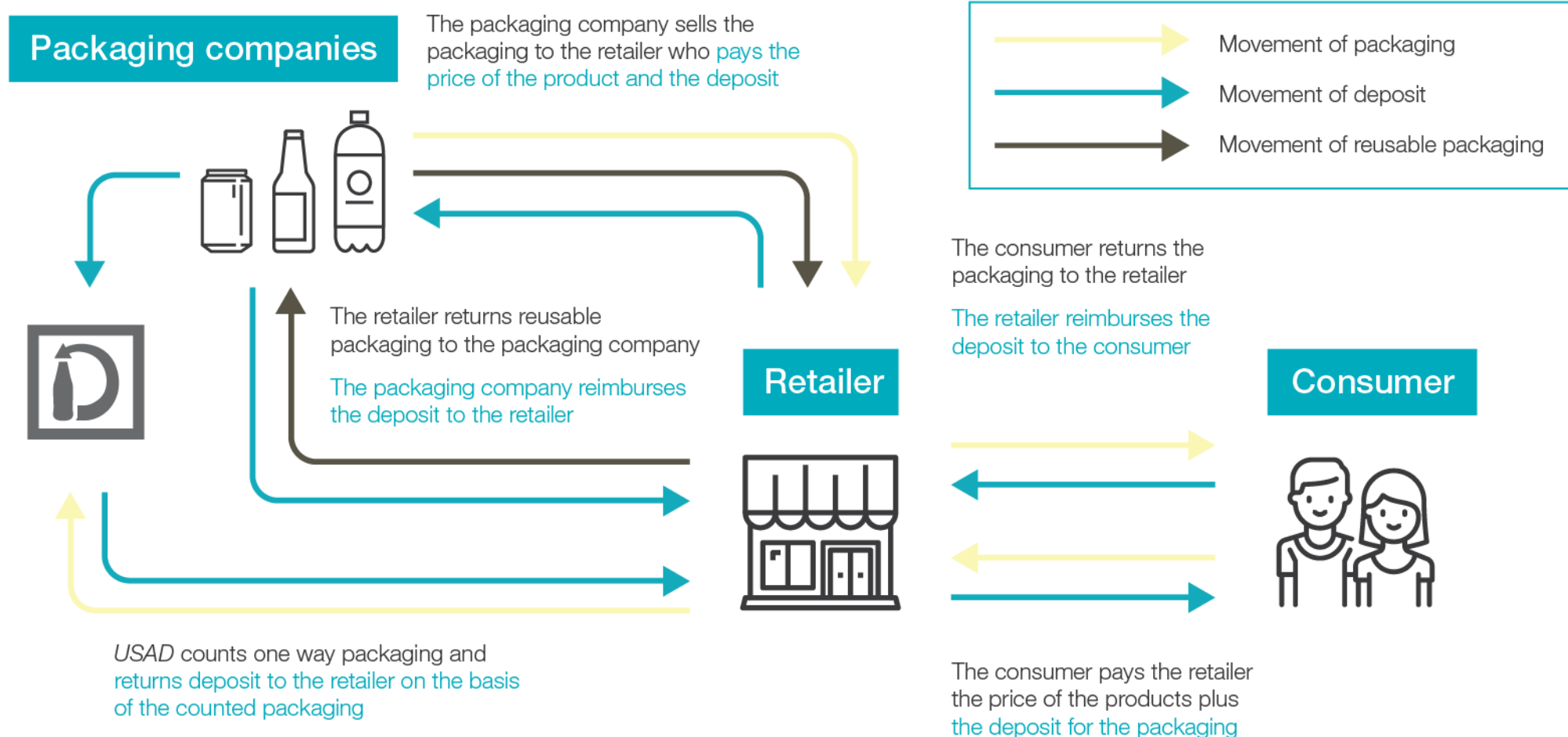
RVMs installed

**89%**

of packages  
are collected  
in RVM points



# How does everything work?



# Producers obligations



Marking deposit packages with **deposit logo**



**Charging deposit** for each sold deposit package



Choosing type of **barcode**: universal or unique



**Participating** in deposit system and **financing** it

# Retailers obligations

- Taking deposit from consumers

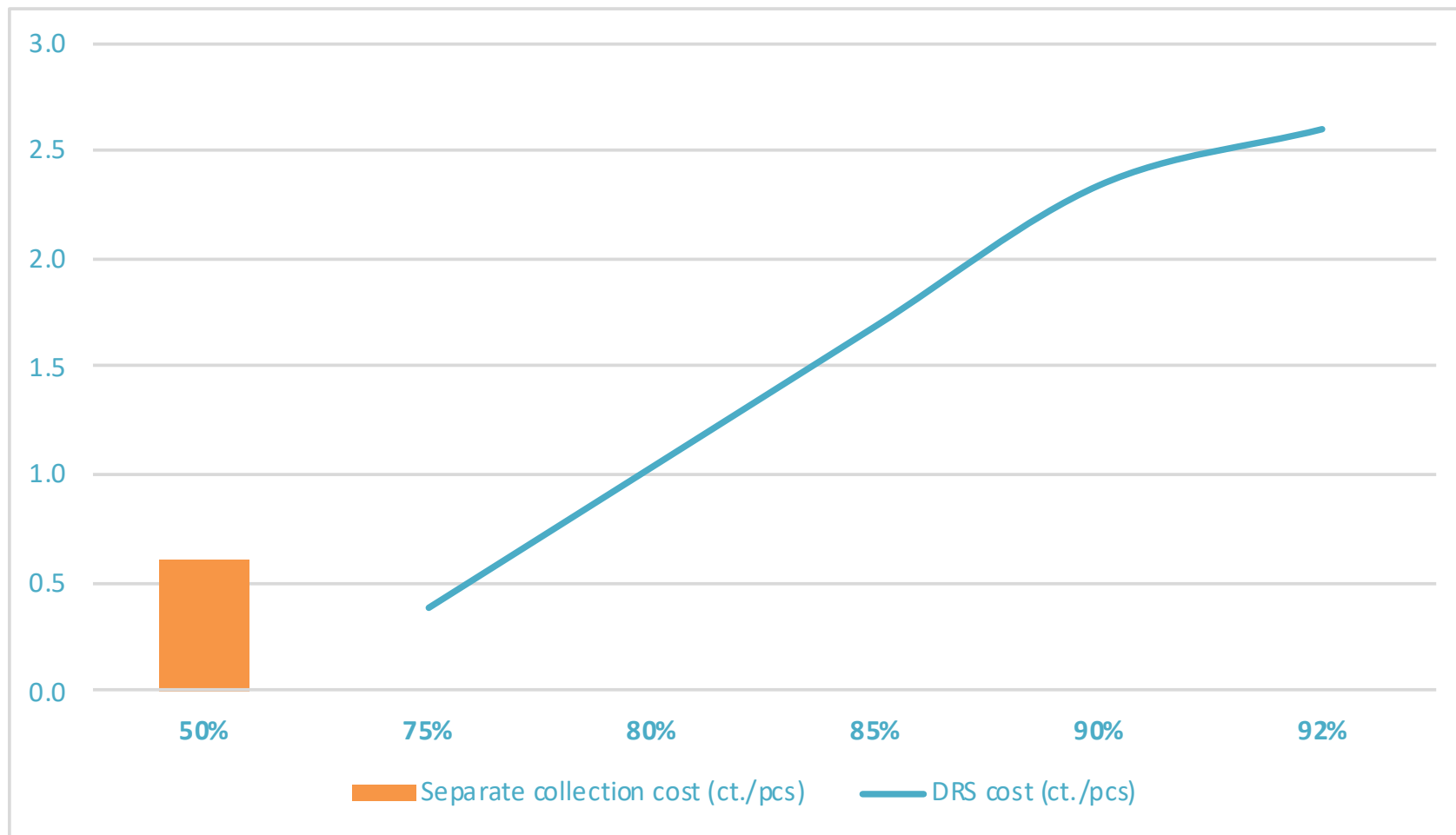


- Taking back deposit packages from consumers and returning deposit





# PET collection alternatives cost comparison



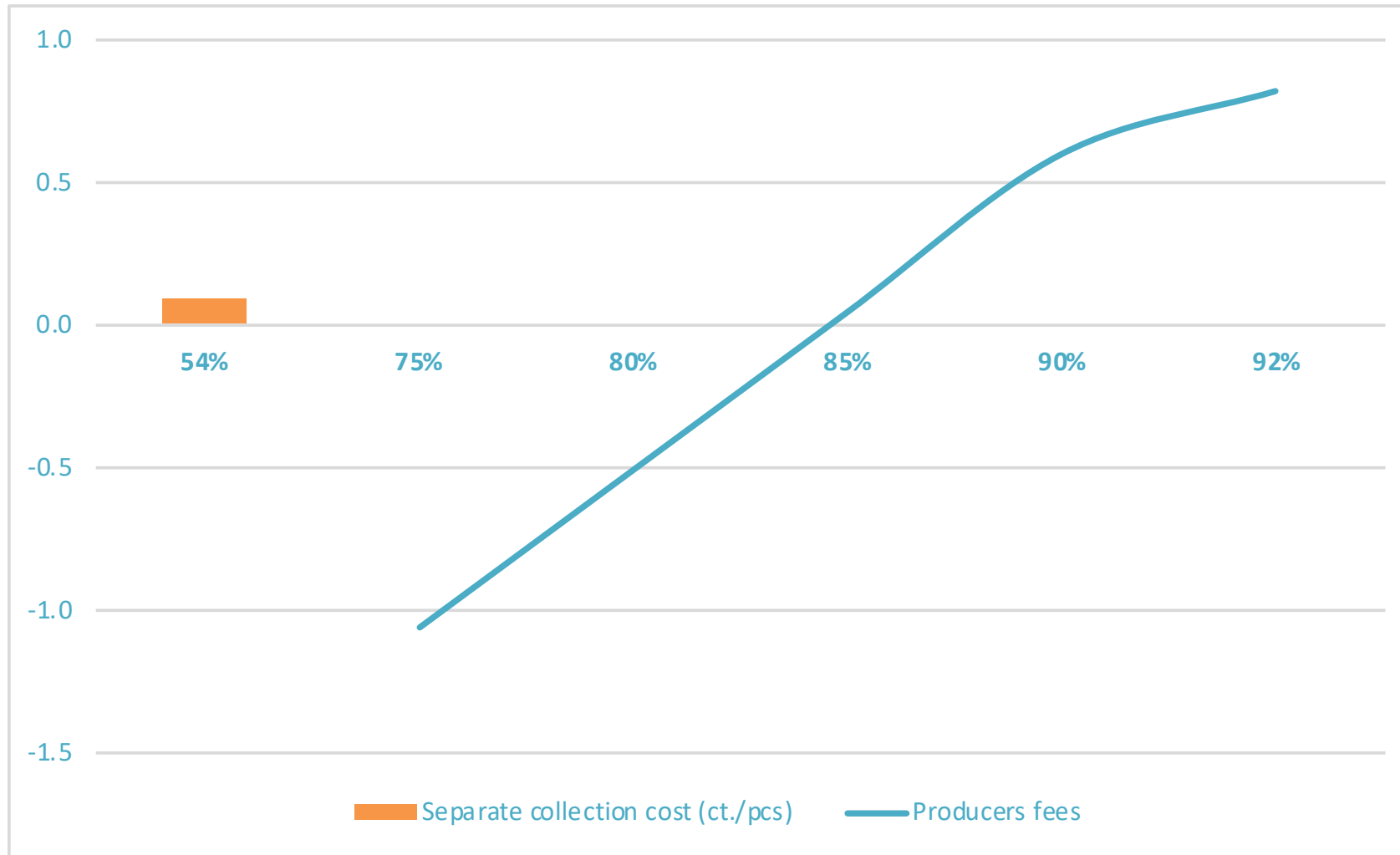
Separate collection cost – official Green dot fee for 2019 (177 EUR/t, 50% collection)

DRS cost line simulation - based on actual 2018/19 system cost and revenues data

DRS actual fee for Y2019 – 2.7 ct./pcs, 92% collection

DRS could collect 77% vs. 50% if fee was fixed on current Green dot fee level

# CAN collection alternatives cost comparison



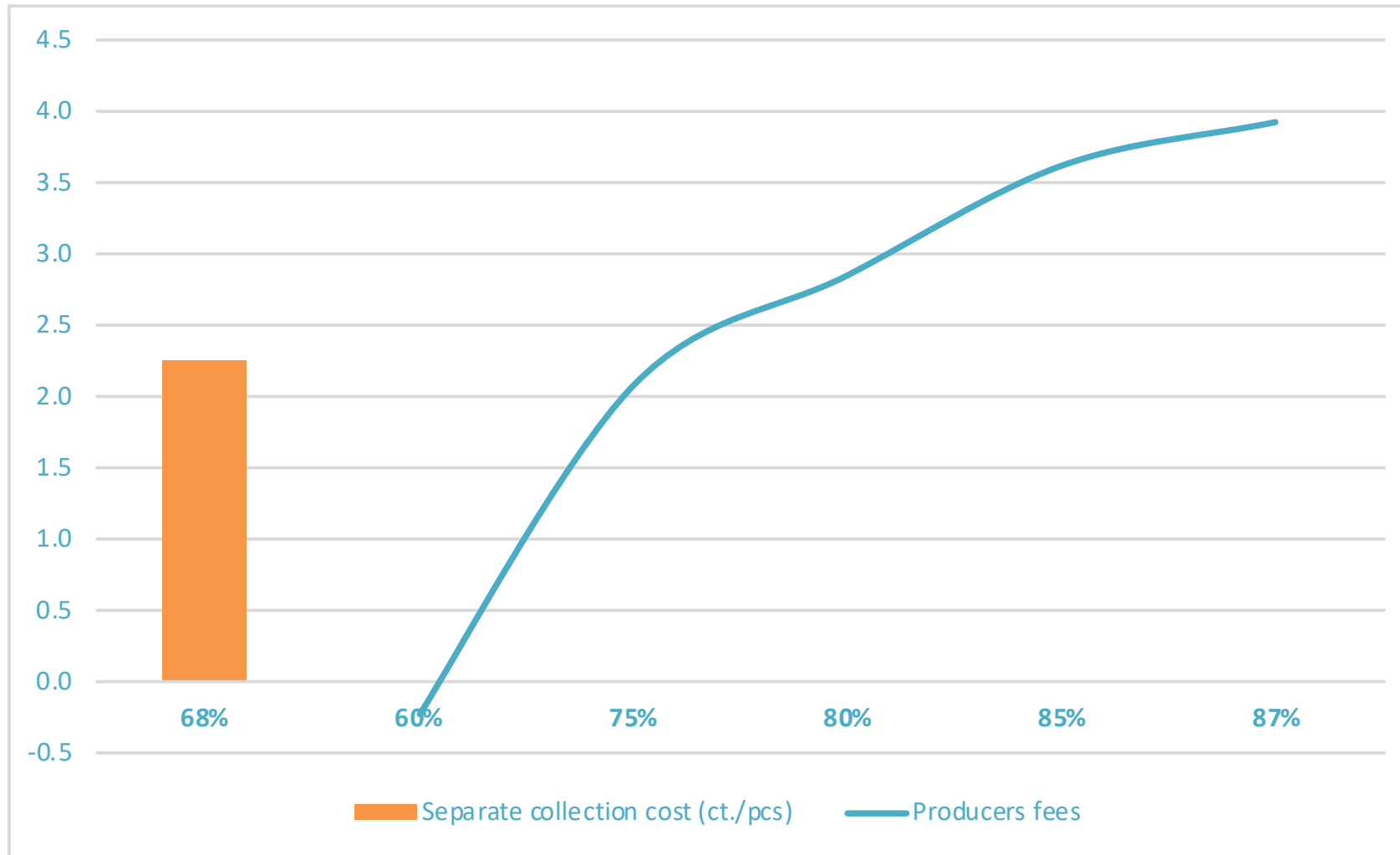
Separate collection cost – official Green dot fee for 2019 (54 EUR/t, 54% collection)

DRS cost line simulation - based on actual 2018/19 system cost and revenues data

DRS actual fee for Y2019 – 0.9 ct./pcs, 92% collection

DRS could collect 86% vs. 54% if fee was fixed on current Green dot fee level

# Glass collection alternatives cost comparison



Separate collection cost – official Green dot fee for 2019 (79 EUR/t, 68% collection)

DRS cost line simulation - based on actual 2018/19 system cost and revenues data

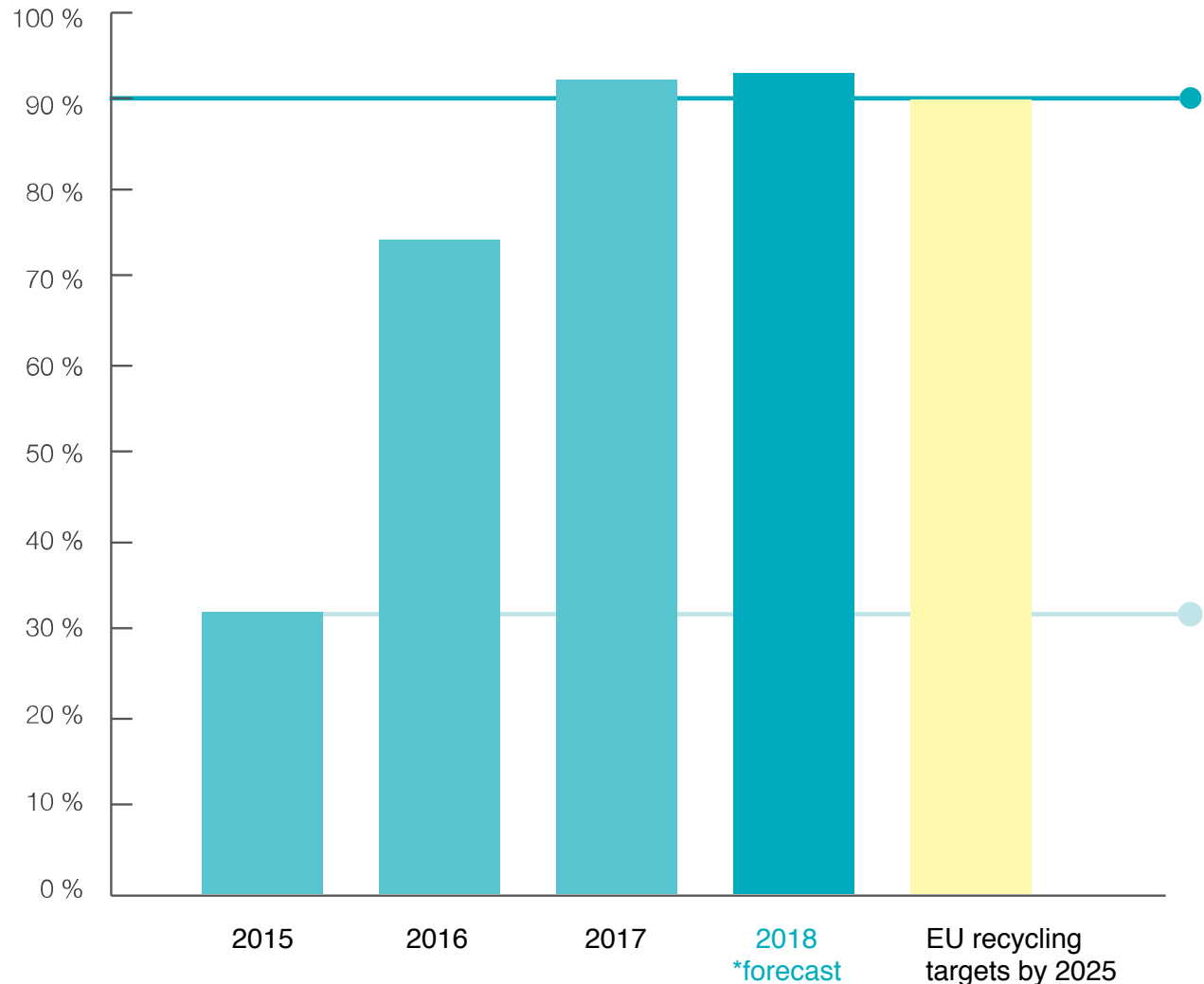
DRS actual fee for Y2019 – 2.9 ct./pcs, 84% collection

DRS could collect 77% vs. 68% if fee was fixed on current Green dot fee level

# Producers control on the system is important

- Producers are in full control on deposit system and are entitled to take important decisions:
  - On system management, investments, costs
  - Avoid any kind of cross subsidies between different packages
- System is transparent and able to reach both short term and long term environmental targets
- Producers own materials - very important when targeting for max price of secondary materials and taking into account circle economy future targets (f.e. 35% recycled materials in PET bottles requirement)
- Reduced free riding – system identifies SKU's selling less than actual return

# Collection & recycling results



Targets for **2025** are already **achieved and exceeded**

Deposit system allows higher recycling targets vs. container system

**Before deposit** system introduction PET bottles recycling **was below 33%**

# What do consumers think?

Consumer survey conducted in 2018\* resulted:

*\*2 years after launching the deposit system*

97% of consumers answered that they are **satisfied**

in general with functioning of the deposit system for single-use packaging



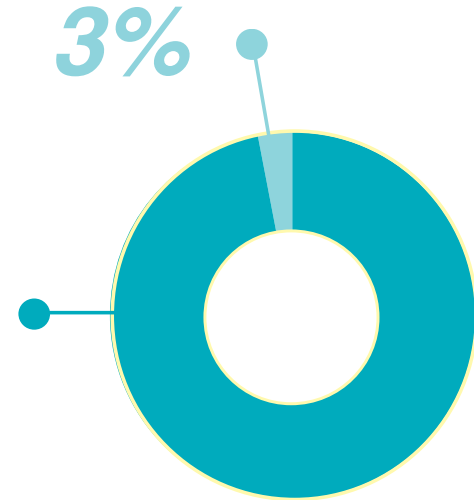
95% of consumers indicated that the **amount of garbage** in parks, at lakes and other natural places, visited by people, **decreased** after introduction of the packaging deposit system

# What do consumers think?

Consumer survey conducted in 2018\* resulted:

*\*2 years after launching the deposit system*

**97%** *of consumers claimed that the deposit system is necessary*



Even more importantly:

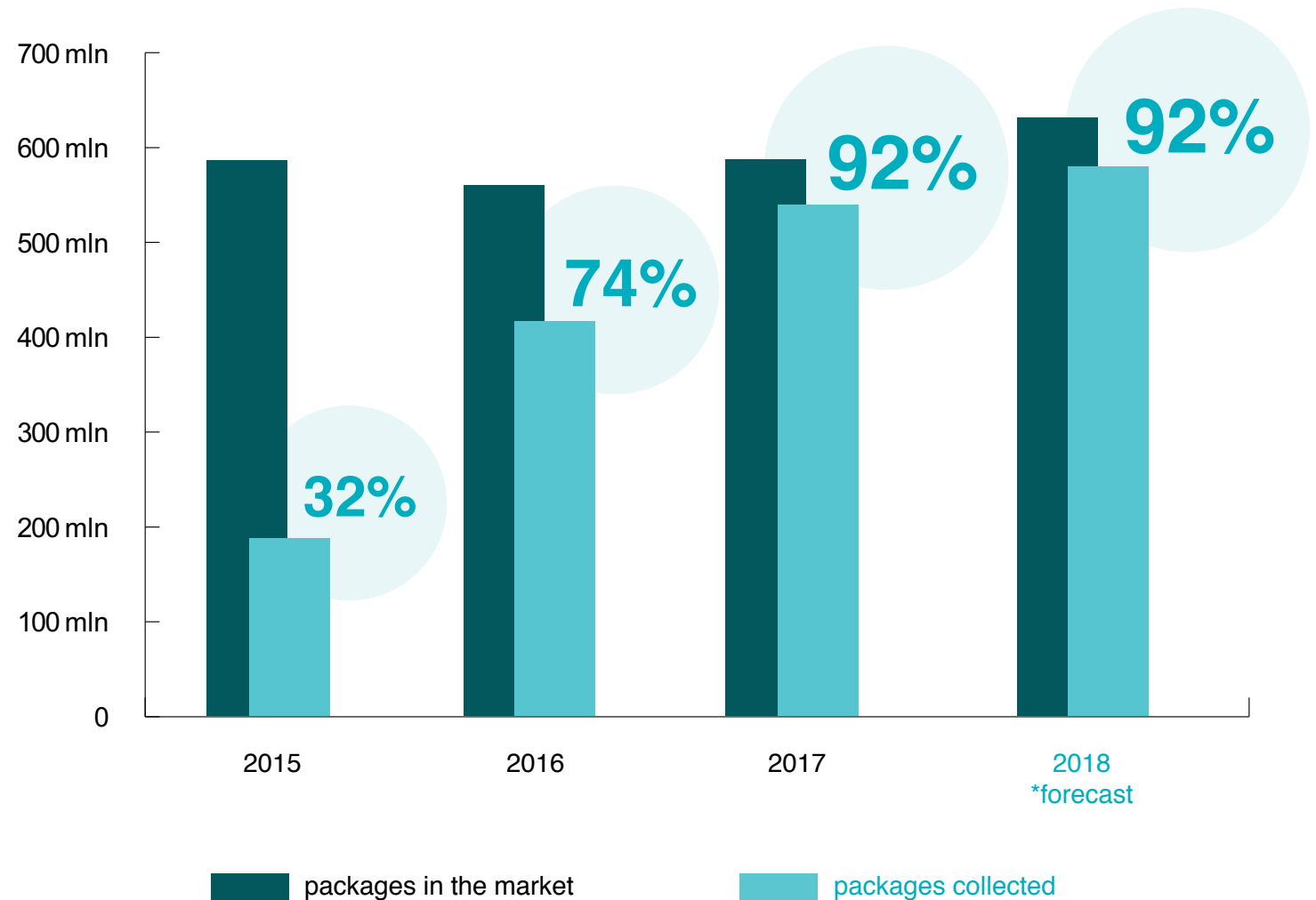


**93%** of consumers admitted that introduction of the packaging deposit system encouraged them to regard sorting out of all-type waste with **more responsibility**

# Deposit system: key facts

**Plastic packaging does not pollute surroundings anymore:**

there much less PET bottles in the coastal waste and other surroundings after launching the deposit system in 2016





# Deposit system: key facts

EU PET recycling

**targets by 2025 already achieved**

# 2025



**Only 9 people**  
administrate the whole system



[www.grazintiverta.it/en](http://www.grazintiverta.it/en)