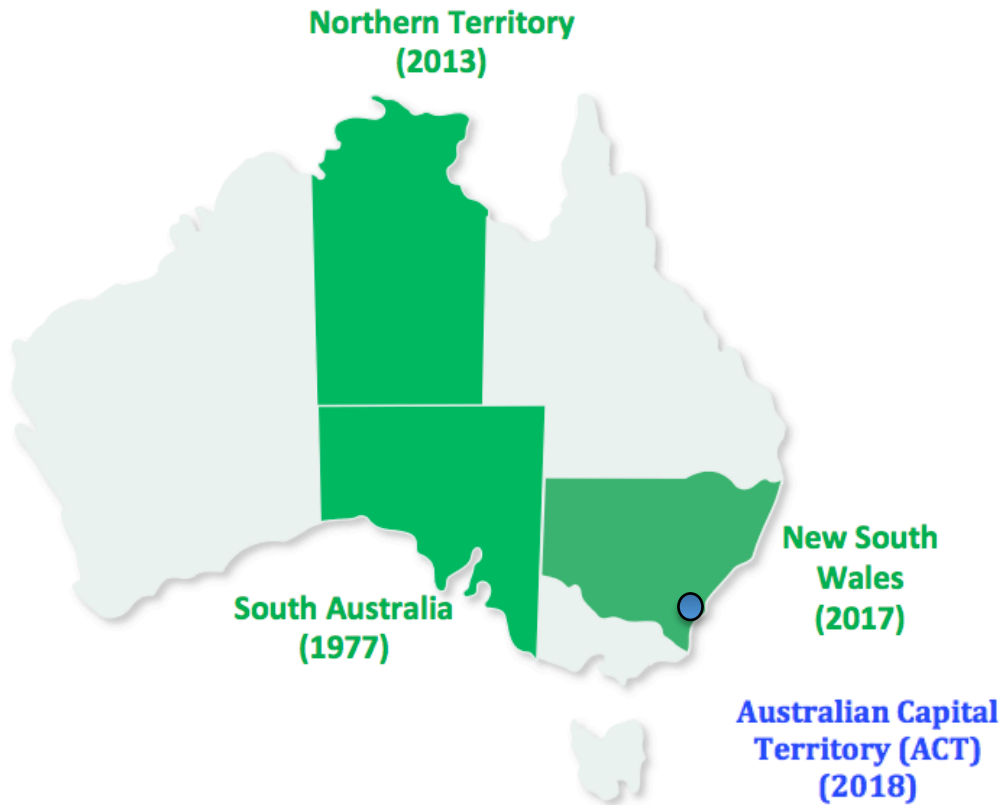




AUSTRALIA

(10.1m have access to DRS)



State	Population	Mandate Enacted	Mandate Implemented
1. Australian Capital Territory (ACT)	0.4m	2017	2018
2. New South Wales	7.8m	2016	2017
3. Northern Territory	0.2m	2011	2012
4. South Australia	1.7m	1975	1977



AUSTRALIAN CAPITAL TERRITORY (ACT)



Population: 401,737

Website: www.actcds.com.au

MANDATE

Waste Management and Resource Recovery Amendment Act 2017

Additional legislative material: <https://www.tccs.act.gov.au/recycling-and-waste/drop-off/recycling/container-deposit-scheme/documents>

Enacted:	2017
Implemented:	June 30, 2018
Authority:	Transport Canberra and City Services

PROGRAM SCOPE

Material:	<i>Containers 150ml-3L: aluminum, glass, HDPE, liquid paperboard, PET, steel</i>
Beverage type:	All
Excluded:	Wine; spirits; cordial and plain milk (or milk substitute) containers; flavored milk containers of $\geq 1L$; pure fruit or vegetable juice containers of $\geq 1L$; glass containers for wine and spirits; casks for wine or water $\geq 1L$; sachets for wine of $\geq 250ml$; containers for cordials and concentrated fruit/vegetable juices; registered health tonics

DEPOSITS AND FEES

Deposit:	AUD\$0.10 (€0.07, USD\$0.08)
Unredeemed deposits:	Remains with the beverage industry
Handling Fee:	For every container returned through the collection infrastructure, the Network Operator receives a fee to cover the costs for the collection points, the logistics, counting centers and administration, as well as adding a certain margin. The value of this fee has not been made public. Producer costs per container for the first three months of operation, including the 10cent deposit (\$A0.10), based on overall recovery of between 70-72%, are \$A0.0994, \$A0.10192 and \$A0.10455

SYSTEM OPERATOR

Clearing System:	Hybrid – System Coordinator invoices the individual fillers, beverage producers, and importers
System Operator & Administrator:	Exchange for Change is the System Coordinator, responsible for financial management and ensuring that the scheme meets its

statewide access and recovery targets. The Network Operator is Re Turn-It, which will set up and run the collection points, including utilising their existing MRF as a consolidation and collection point.

System Finance:

Industry fee and material value

REDEMPTION SYSTEM

Return to Depot/social enterprise/MRF: Collection network is predominantly manual depot based with a government preference for 'face-to-face' drop off facilities, replicating the Sth Australian scheme; as well as charity sector shop front drop offs and other social enterprise involvement. An additional three automated sites across the territory are also expected over time. Kerbside redemption will also be possible in which case the consumer forfeits the deposit and this is acquired by the MRF.

Material owner:

Network Operator

SYSTEM RESULTS (2018)

No data available at this time

MONEY MATERIAL FLOW

Not available at this time



NEW SOUTH WALES (NSW)



Population: 7.8m

Website:

www.epa.nsw.gov.au/your-environment/recycling-and-reuse/return-and-earn; www.returnandearn.org.au

MANDATE

Waste Avoidance and Resource Recovery Amendment (Container Deposit Scheme) Act

Waste Avoidance and Resource Recovery (Container Deposit Scheme) Regulation

Enacted: 2016

Implemented: December 1, 2017

Authority: Environment Protection Authority

PROGRAM SCOPE

Material: *Containers 150ml-3L: aluminum, glass, HDPE, liquid paperboard, PET, steel*

Beverage type: All

Excluded: Wine; spirits; cordial and plain milk (or milk substitute) containers; flavored milk containers of $\geq 1\text{L}$; pure fruit or vegetable juice containers of $\geq 1\text{L}$; glass containers for wine and spirits; casks for wine or water $\geq 1\text{L}$; sachets for wine of $\geq 250\text{ml}$; containers for cordials and concentrated fruit/vegetable juices; registered health tonics

DEPOSITS AND FEES

Deposit: AUD\$0.10 (€0.07, USD\$0.08)

Unredeemed deposits: Remains with the beverage industry

Handling Fee: For every container returned through the collection infrastructure, the Network Operator receives a fee to cover the costs for the collection points, the logistics, counting centers and administration, as well as adding a certain margin

SYSTEM OPERATOR

Clearing System: Hybrid – System Coordinator invoices the individual fillers, beverage producers, and importers

System Operator & Administrator: Exchange for Change is the System Coordinator, responsible for financial management and ensuring that the scheme meets its statewide access and recovery targets. The Network Operator is TOMRA Cleanaway, which will set up and run the collection points.

System Finance: Industry fee and material value

REDEMPTION SYSTEM

Return to Depot/R2R/MRF:

There are 3 types of collection points: reverse vending machines (RVMs); over-the-counter collection points, and automated depots. There will be more than 500 Return and Earn collection points across NSW, including more than 800 RVMs. More than half the collection points will be automated.

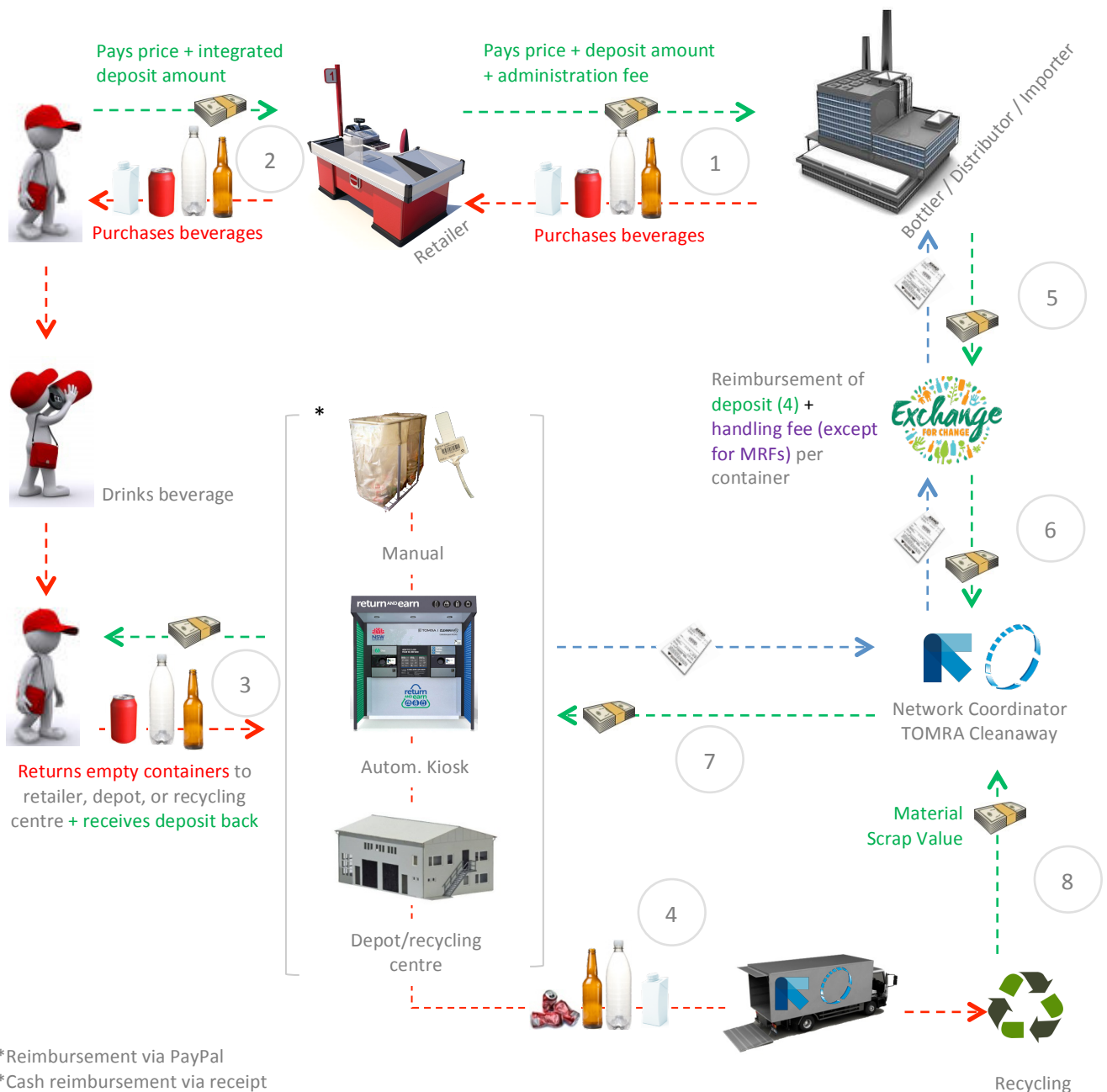
Material owner:

Network Operator

SYSTEM RESULTS (2017)

No data available at this time

MONEY MATERIAL FLOW





NORTHERN TERRITORY



Population: 0.2m

Website: www.ntepa.nt.gov.au/container-deposits

MANDATE

Environment Protection (Beverage Containers and Plastic Bags) Act

Enacted: 2011

Implemented: 2012

Updated: 2014

Authority: Environment Protection Authority

PROGRAM SCOPE

Material: All

Beverage type: *Containers <1l*: flavoured milk; pure fruit/vegetable juice; water in aseptic packs/casks; some wine-based beverages

Containers ≤3l: carbonated soft drinks; non-carbonated soft drinks (including but not limited to: fruit/juice based drinks containing < 90% juice, sports drinks, vitamin drinks, energy drinks, ready-to-drink cordials), water that is not in an aseptic pack/cask; beer/ales/stouts/cider; spirit-based beverages; some wine-based beverages

Excluded: Unflavored milk; soy milk; cordial bottles (undiluted); concentrated fruit and/or vegetable juice intended to be diluted before consumption; still or sparkling wine (in glass)

DEPOSITS AND FEES

Deposit: AUD\$0.10 (€0.07, USD\$0.08)

Unredeemed deposits: Remains with producer/filler

Handling Fee: Negotiated. Depots may be compensated for "reasonable costs" related to handling the containers by the CDS coordinator to whom they deliver the container.

SYSTEM OPERATOR

Clearing System: Decentralized

System Operator & Administrator: Beverage industry and private operators

System Finance: Administration Fee/Unredeemed deposits/Material scrap

REDEMPTION SYSTEM

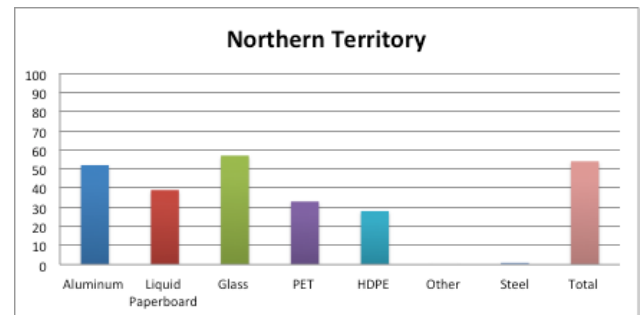
Return to Depot: 11 authorized collection depots, one of which ended operations in November 2014

Material owner: CDS Coordinators

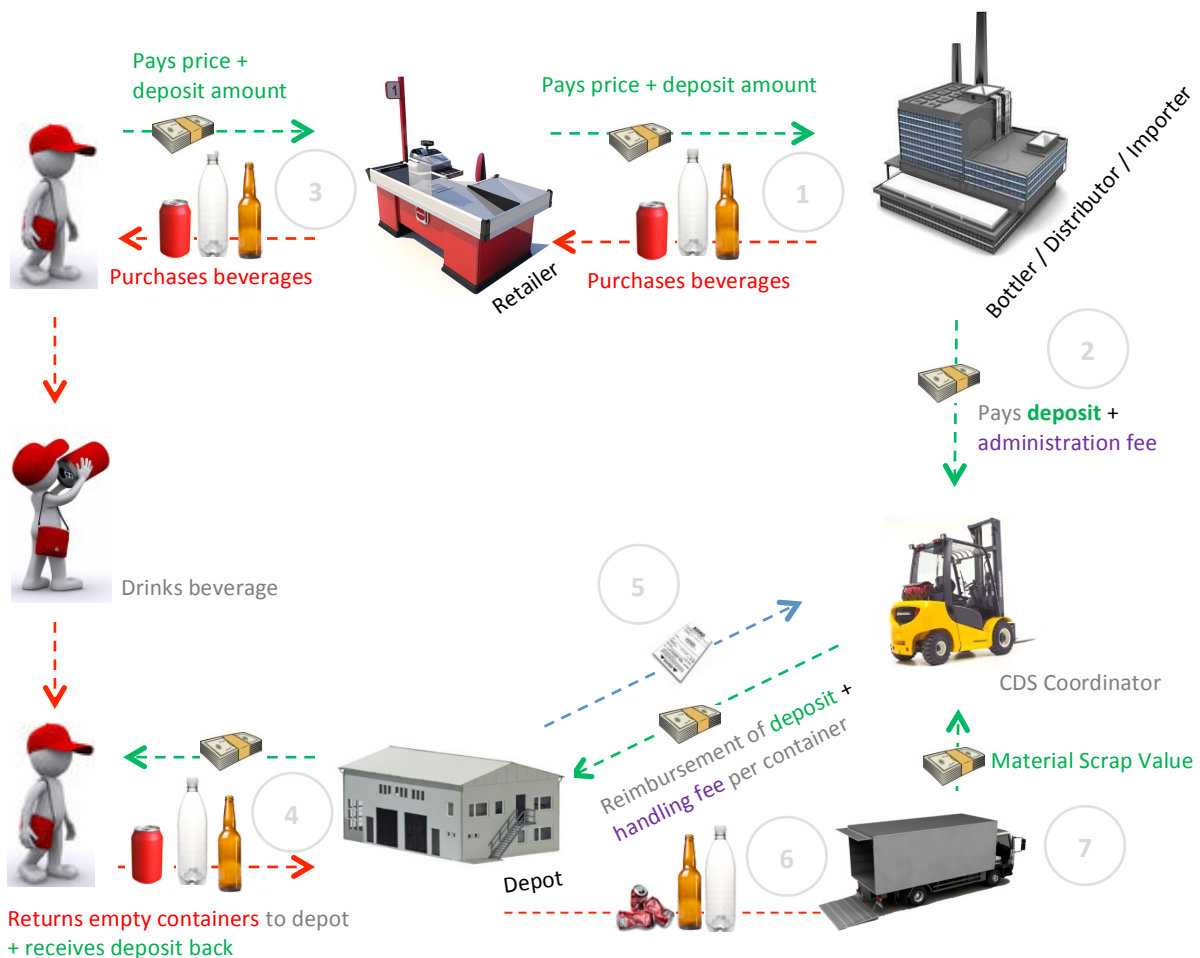
CDS coordinators coordinate the activities of those involved in the deposit return scheme and have arrangements with depots across the Territory. They coordinate the return of empty containers from collection depots, reimburse depots for refunds paid to consumers, and pay depots a handling fee, sell the containers to material recyclers and processors for recycling, reuse or recovery of energy. CDS coordinators, in turn, claim the deposit and handling fee from the beverage filler. As of 2017, four CDS coordinators are approved to operate under the CDS: Envirobank NT Pty Ltd.; Marine Shores Pty Ltd.; NT Coordinators Pty Ltd.; and Can-Recycling (SA) Pty Ltd. trading as Statewide Recycling.

SYSTEM RESULTS (2016-17)

Total Return Rate:	48%
Aluminum	52%
Liquid Paperboard	39%
Glass	57%
PET	33%
HDPE	28%
Steel	1%
Other	0%



MONEY MATERIAL FLOW





SOUTH AUSTRALIA

Population: 1.7m

Website: www.epa.sa.gov.au/environmental_info/container_deposit



MANDATE

Beverage Container Act

Enacted: 1975

Implemented: 1977

Authority: Environmental Protection Agency

PROGRAM SCOPE

Material: Glass, aluminum, HDPE, PET, liquid paperboard

Beverage type: *Container types < 1l:* Water in aseptic packs/casks; pure fruit/vegetable juice (containing at least 90% fruit juice and/or vegetable juice); flavoured milk; wine in aseptic packs/casks; flavoured alcoholic beverages with a wine base in aseptic packs/casks

Container types ≤ 3l: Carbonated soft drinks; non-carbonated soft drinks, water (plain, still or carbonated); Beers/ales/stout, wine based beverages (wine cooler and similar beverages), spirit-based beverages, alcoholic beverages (derived from the fermentation of fruit)

Excluded: Wine in glass bottles; plain, unflavoured milk; concentrated fruit and/or vegetable juice intended to be diluted before consumption; cordial (undiluted)

DEPOSITS AND FEES

Deposit: Initiated by Producer/Distributor/Importer

Deposit value: AUD\$0.10 (€0.07, USD\$0.08)

Unredeemed deposits: Remains with producer/filler

Handling Fee: Negotiated between producer/super collector

SYSTEM OPERATOR

Clearing System: Decentralized

System Operator and Administrator: Beverage Industry

System Finance: Administration Fee/Unredeemed deposits/Material scrap

REDEMPTION SYSTEM

Return to Depot: 132 licensed depots

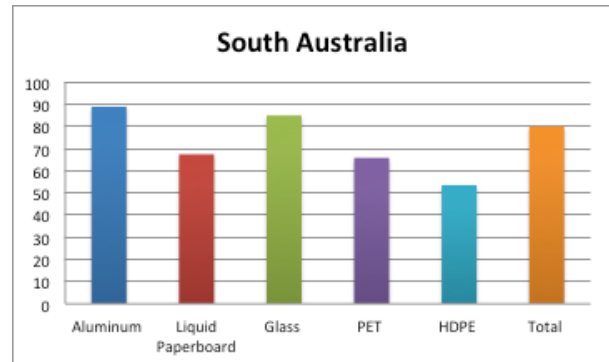
Material owner: Super Collectors

The various container types and brands are sorted and prepared at the collection depots across the state for processing by the 'super collectors'. The super collectors act as agents for the beverage industry. They

coordinate the return of empty containers from collection depots, reimburse depots for refunds paid to consumers, and pay depots a handling fee, sell the containers to material recyclers and processors for recycling, reuse or recovery of energy. The super collector in turn claims the deposit and handling fee from the beverage filler.

SYSTEM RESULTS (2016-17)

Total Return Rate:	79.9%
Aluminum	88.8%
Liquid Paperboard	67.4%
Glass	84.9%
PET	65.8%
HDPE	53.5%



MONEY MATERIAL FLOW

