

South Australia's Environment Protection Authority

Container Deposit Legislation (CDL)



Presentation to the Victorian Environment
and Planning Legislation Committee
Monday 28 November 2011



Government
of South Australia
Zero Waste SA



South Australia

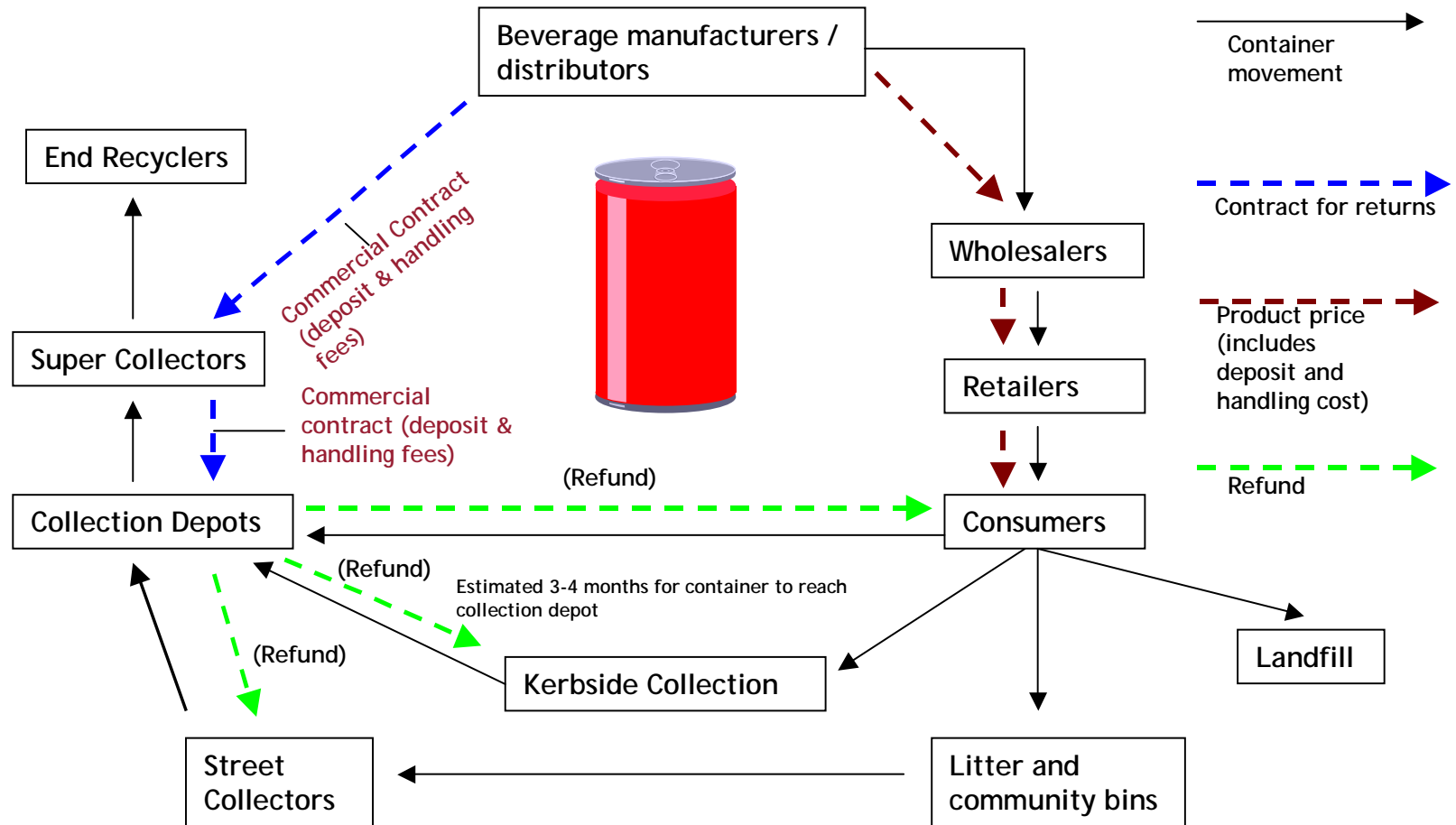
INTRODUCTION: Container Deposit Legislation

Presentation will cover:

- How CDL works in SA
- Return Rates
- Impact on litter
- Impact on kerbside
- EPA management
- SA/NT scheme



CDL - Deposit/Container Loop



Container Deposit Legislation – collection system



Container Deposit Legislation



COLLECTION SYSTEM

CATEGORY A and B

- ~99% Cat. B (depot)
- ~1% Cat. A (point of sale)

DEPOTS

- 128 collection depots across SA
 - 50/50 regional / metro
 - Range of materials recovered

SUPER COLLECTORS

- 3* x super collectors
 - Main SC's owned by beverage industry

EMPLOYMENT

- Estimated 1000 employed in these sectors

BEVERAGE CONTAINERS

- ~ 500 container approval holders
- ~ 10,500 approved container labels

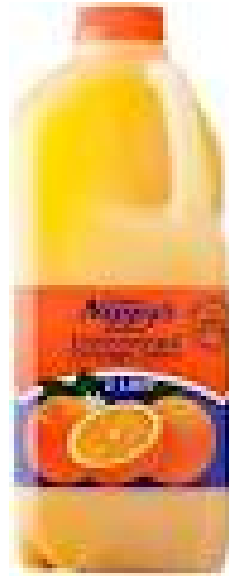
2010/2011:

- 738 million containers sold
- 593 million containers returned
- 80.4% overall return rate
- \$59.3 million refunded to consumers
- 2010/11 = 47,050 tonnes recovered and **recycled**

CDL – Main container types



Liquid
paperboard



HDPE



Aluminium



PET



Glass

Main exclusions from CDL



Plain milk



Wine in glass

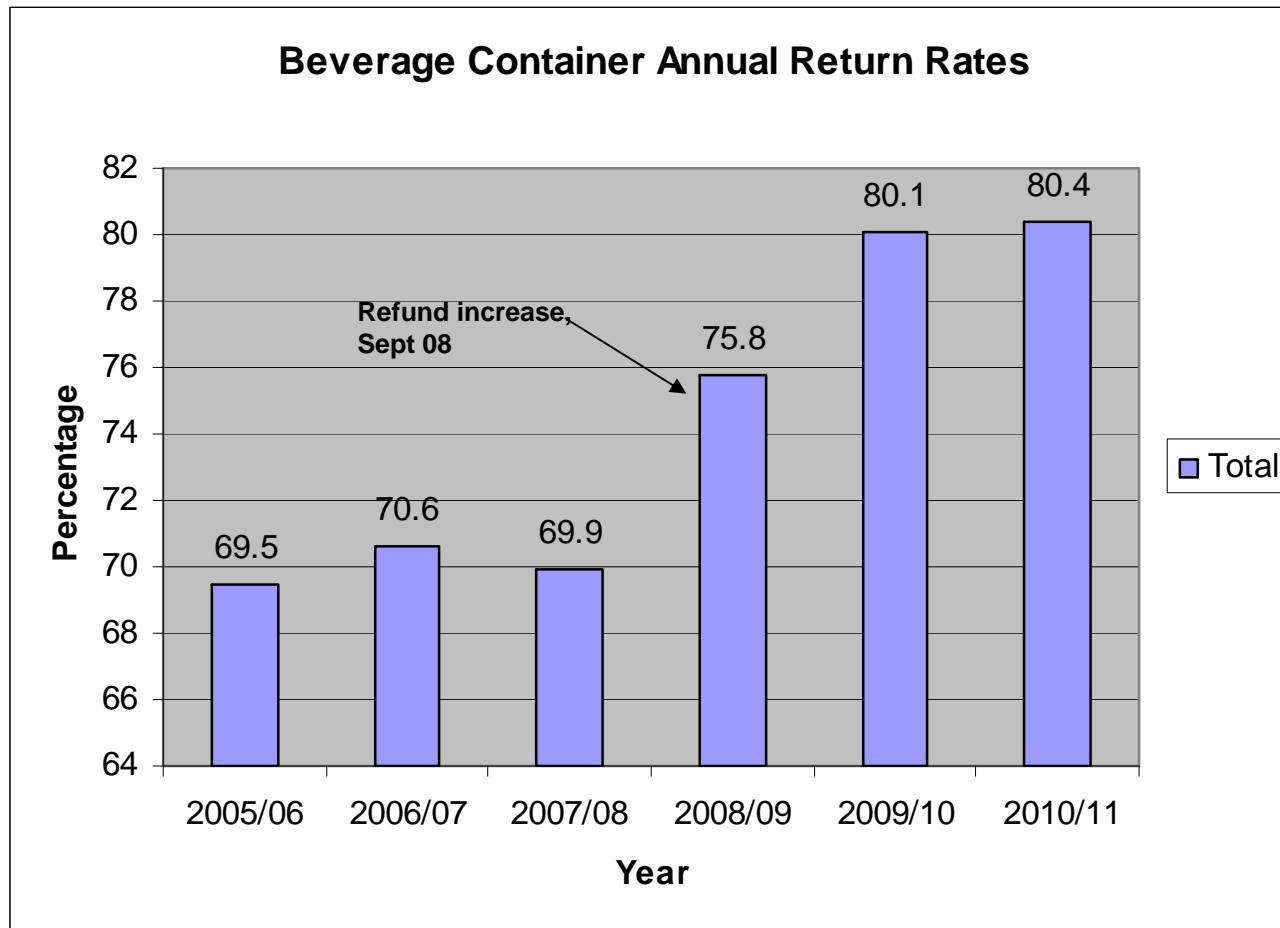


Wine/water
casks



Therapeutics

CDL – Return Rates



CDL - FULL YEAR RETURN RATES %



	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	Increase since 2007/08 (5c)
Glass	81.9	79.8	78.5	79.1	84.3	83.4	+ 6.2%
Alum	75.4	78.8	77.3	82.9	85.6	88.9	+15%
PET	66.1	65.9	63.6	70.4	73.9	72.3	+13.7%
HDPE	48.7	46.4	49.2	50.9	61.3	59.2	+20.3%
LPB	36.6	36.9	35.4	49.6	58.1	55.5	+56.8%
Total	69.5	70.6	69.9	75.8	80.1	80.4	+15%

OTHER MATERIAL COLLECTED AND RECYCLED

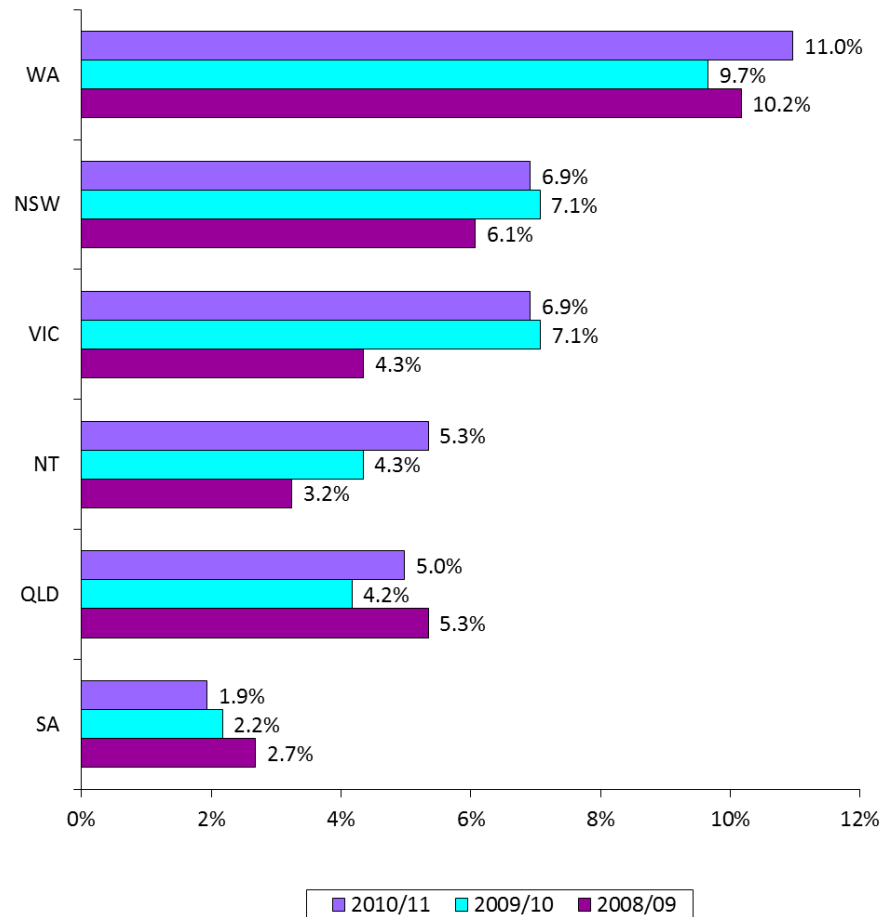
EXAMPLE:

- **SCOUTS (8 metro depots)**
- **Period April 10 – March 11**
 - recovered approx 8,000 tonnes of CDL material
 - recovered approx 25,000 tonnes of non-CDL material
 - 75% of material recovered by Scouts is non-CDL

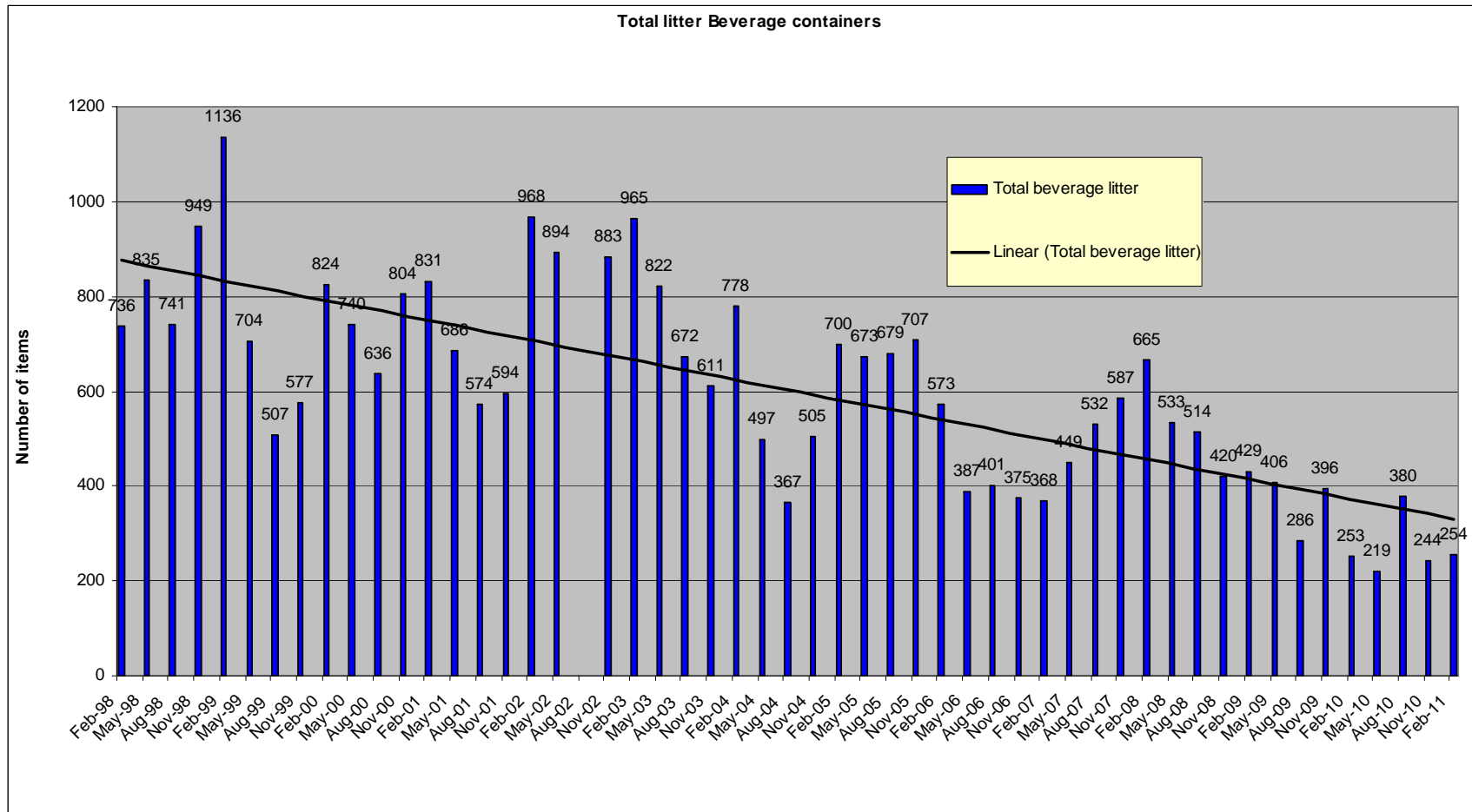


CDL – litter statistics (KESAB 2011)

% CDL Beverage Containers in the Litter Stream



KESAB – beverage container litter (SA)



KERBSIDE *(SOURCE –East Waste)*



EAST-WASTE CLAIMS:

- Compaction rates much higher with CDL
 - (220 kgs /M3 compared to 140 kgs/M3) due to less glass
- Twice as many bins can be collected before travel to MRF
- More bins can be collected in a day
 - (1,210 compared to 975 bins per day)
- Represents 25% fewer trucks on road
- Smaller trucks / fewer trips
- For 100,000 houses = \$830K saving p.a. or \$5.8m in 7 year contract
- Higher value of recyclates:
 - less contamination, fewer shards of glass = higher value
 - Up to 20-30% higher price in Chinese and Indonesian markets

EPA – MANAGEMENT OF CDL



EPA STAFF

- **Proportion of Branch Manager**
 - *General supervision/direction*
- **Team Leader (ASO 6)**
 - *Administration*
 - *Approvals*
 - *Cost Recovery*
- **Project Officer (ASO 6)**
 - *Specific project input – eg NT; National; Bar coding; - Plastic Bag legn*
- **2 x compliance officers (ASO 3/4)**
 - *Site inspections*
 - *Administration*

TOTAL ANNUAL COSTS CDL MANAGEMENT

- Approx \$754,000
 - Direct: Salaries plus goods and services
 - Non-direct: – portion of investigations, policy, corporate etc

COST RECOVERY

Stage 1

- Commenced 01 July 11
 - Annual fees for depots/super collectors
 - new beverage container applications
- Recovered approx \$46K YTD

Stage 2

- Annual fees for containers

CDL – COST RECOVERY



Current fee schedule – introduced 1 July 2011

- Application fees
 - Containers
 - \$259 (1 label) - \$1885 (>20 labels)
 - approx 1600 labels approved in 2010/11,
 - Depots (\$121-\$311_(RVM))
 - Super collectors (\$743)
- Annual fees
 - Collection depots (\$130-\$260)
 - Super Collectors (\$553)
 - Beverage containers – yet to be implemented (~ \$60-\$80 per label)
- Recovered YTD 2010/11 = ~ \$60K (July-Oct 2011)

Container Deposit Legislation – SA/NT



- NT scheme commences January 2012
 - NT currently processing approvals
 - Currently appointing CDS Coordinators (known as Super collectors in SA)
 - Statewide and Flagcan – exist in SA, plus Envirobank)
 - Benefits from having same super collectors
 - Common waste management arrangements
 - Less burden on manufacturers (can deal with a single super collector)
 - Sales declarations process less complex
 - Return rates more easily determined
 - Facilitates declaration of corresponding jurisdiction status
 - Enabling containers to be returned either in SA or NT regardless of place of sale
- SA working closely with NT – systems designed to match
- Corresponding jurisdiction status planned to be declared in future (2 years?)
 - Waiting for NT system to operate for period of time to ensure neither scheme is compromised by the other

CDL - SUMMARY



- **Effective resource recovery strategy**
 - High value recyclate
 - Everything recovered is recycled
 - Network of depots for recovery of other materials
 - Enables regulatory assessment of recyclability of container, which does not occur in other states
- **Reduces waste to land fill**
 - ~50,000 tonnes potentially diverted from landfill each year
- **Improves kerbside efficiency**
 - Higher compaction rates / savings
- **Strong away from home recovery**
- **Complimentary to kerbside and packaging covenant**
- **Effective litter strategy**
 - Lowest beverage container litter rates in Aust
- **Generates employment**
- **Provides additional income opportunities**
 - Charities
 - Lower socio-economic
- **High community support**
 - 92% of SA supports CDL