



# ZERO WASTE SA

Strategy and Policy to build  
the Green Economy



# Industrial Ecology grants creating Circular Economy opportunities

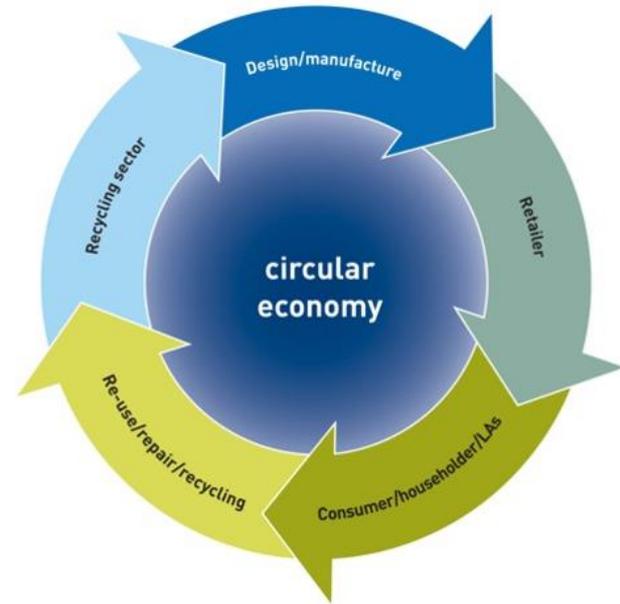
# BUILDING ON OUR SUCCESS

In 2004 waste policy in South Australia took a profound step.

*Zero Waste SA Act 2004* and creation of the Waste to Resources Fund.

Zero waste is often used with the phrase 'circular economy'.

The circular economy is where the by-products and wastes from one process become the inputs to another.



Waste Management Hierarchy is a core principle in the *Zero Waste SA Act 2004*.

Green industries support the green economy and the circular economy, both part of the broader economy.

These embrace the waste hierarchy.

Zero Waste SA has successfully introduced change programs which have influenced householder behaviour.

It has built consistent council waste collection systems through grants, provided new infrastructure through grants, supported innovation– through grants – to solve emerging waste problems and influenced regulatory practices. It has also provided research grants through unique collaborative models.

It has been internationally recognised for its work.

**Waste management as an environmental issue presents an opportunity to contribute to the State's economic growth.**



# THE WASTE SECTOR

The waste management and resource recovery industry is a significant sector of South Australia's economy.

- turnover of about **\$1bn** pa
- contributes \$500m to GSP
- employs about 4,800 people.

Nationally, the waste sector is estimated \$14.2 billion per year.

**Zero Waste SA** has invested **more than \$80m** from waste levy funds in the industry since 2004.

It has built capacity, improved markets and assisted the development of new products and skills.

Benefit cost ratios for funded projects that improve industry competitiveness achieve ratios of 6.7, and for infrastructure investment, between 1.4 and 11.5.

# INFRASTRUCTURE GRANT PROGRAMS

**Infrastructure grants for regional and metropolitan business and local government.**

**Food waste and kerbside collection of recyclables – grants for local government and industry**

# Product Stewardship -Incentives-

**10¢** REFUND AT COLLECTION  
DEPOTS WHEN SOLD IN SA



# Product Stewardship



# Government's Policy Goals

**Build** on the achievements of Zero Waste

SA:

**Create** green jobs;

**Develop** new green businesses; **Identify** export opportunities;

**Funded** from the Solid Waste Levy. **Work** with businesses, governments and the environmental sector to realise the full

potential of the 'Green Economy' and help to keep South Australia at the forefront of green innovation.

Waste management and remanufacturing *is an opportunity to contribute to the State's economic growth.*

# Other Circular Economy Grants to Industry:

## Costs and benefits

### Reduced

- inputs to processes
  - energy and material savings, equating to more profit
- failure rates for products
  - more profit from goods produced
- labour intensity (on rework)
- disposal costs for solid waste and trade waste (to sewer)
- licensing costs based on pollution loads.

# Case Study: Adelaide Convention Centre



# Case Study: Tarac Technologies



rethink  
*recycle*  
reformulate  
*revalue*



Jurlique



Government of South Australia  
Arts SA



tafeSA



CUNDALL



TREASURY  
WINE ESTATES



Government of South  
Department of the Premier  
and Cabinet



KITCHEN BAR

GREEN

THE  
ORGANIC  
MARKET  
AND CAFE

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