



Australian Government



Australian Recycling Investment Fund



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As an experienced investor in the bioenergy, recycling and energy from waste sectors, we see immediate and important investment opportunities in recycling and resource recovery, drawing on proven technologies with the potential to deliver long term economic and environmental benefits.

Ian Learmonth
CEFC, CEO

National Waste Action Plan

Our national goals to cut waste include:

1

Reduce total waste generated by 10 per cent per person by 2030

2

Recover 80 per cent of all waste by 2030

3

Significantly increase the use of recycled content by governments and industry

4

Phase out problematic and unnecessary plastics by 2025

5

Halve the amount of organic waste sent to landfill by 2030

Australians generate some 2.9 tonnes of waste per head per year according to analysis for the National Waste Policy. Through the \$100 million Australian Recycling Investment Fund, the CEFC has a particular focus on large-scale projects which use clean energy technologies to support the recycling of waste plastics, paper, glass and tyres.

These investment commitments align with the principles of the circular economy, to reuse, recycle or reprocess waste, such as compost and alternative fuels, as well as recover energy and other materials.

Energising resource recovery: the Australian opportunity

Australia's recycling and resource recovery sector is undergoing considerable transformation, driven by global market pressures, evolving consumer preferences and an increasing focus on cutting carbon emissions.

Analysis for the CEFC special report - *Energising resource recovery: the Australian opportunity* - identified Australia has a potential infrastructure pipeline of \$4 billion to \$7.8 billion in waste-related investment opportunities. These investments have the potential to deliver 9,000 construction jobs and as many as 1,400 ongoing operational roles in metropolitan and regional communities. Of equal significance, these investments have the potential to avoid more than three million tonnes CO₂-equivalent of methane emissions from landfills every year.



CEFC finance improving recycling outcomes

As we look to deliver a net zero emissions economy by 2050, we need to cut emissions wherever they occur, from the way we build to the way we recycle.



Rino Recycling puts construction and demolition waste to the test

CEFC commitment: \$75million

Rino Recycling is aiming to process more than one million tonnes of concrete, excavation, vacuum and skip bin waste each year, diverting a significant amount of valuable resources from landfill at a major new development in Brisbane. With a recovery rate of more than 90 per cent, it will produce higher quality recycled value-add products for the building, construction and manufacturing industries. The integrated plant will be Queensland's flagship construction and demolition recycling facility and be one of Australia's largest for throughput volume under one roof.



Circular Plastics Australia gives PET bottles second life

CEFC commitment: \$16.5million

Cleanaway, Pact Group, Asahi Beverages and Coca-Cola Europacific Partners have joined forces to develop recycling facilities that create a closed loop recycling solution for plastic bottles. The Circular Plastics Australia joint venture features an innovative structure in the recycling and resources recovery sector, drawing on the expertise of major industry leaders: Cleanaway sources and provides the feedstock plastics; the facility processes the PET plastic into food-grade recycled pellets; Pact Group manufactures new bottles and Asahi Beverages and Coca-Cola Europacific Partners use the new recycled PET bottles for their products.



Samsara Eco scales up infinite recycling for plastic waste

CEFC commitment: \$9.1million

Samsara Eco, an Australian company developing a process to break down plastics to their original building blocks, has won national recognition for its innovative approach to recycling that will reduce emissions through reducing plastic waste in landfill. Samsara Eco technology is capable of breaking plastic into core molecules in minutes, regardless of colour, type and state. After being broken down to its original components, the resulting product can be sold in pelletised form. Global plastic use is expected to double by 2040, with the majority of plastic sent to landfill, and only 13 per cent recycled. The manufacture of plastics is also a significant source of emissions.



Scipher Technologies targets Australia's mounting e-waste problem

CEFC commitment: \$7.5million

Australian e-waste recycler Scipher Technologies is increasing its processing capacity by investing in new and upgraded recycling infrastructure. Scipher is also planning to extend its recycling capacity to include mobile phones, lighting equipment, large household appliances and solar panels. Scipher is targeting direct emissions abatement of more than 20,000 tonnes of CO₂-e each year by increasing its e-waste processing capacity and investing in new and upgraded recycling infrastructure. Scipher is also planning to extend its recycling capacity to include mobile phones, lighting equipment, large household appliances and solar panels.

About the CEFC

The CEFC is a specialist investor at the centre of efforts to help deliver on Australia's ambitions for a thriving, low emissions future. With a strong investment track record, we are committed to accelerating our transition to net zero emissions by 2050. In addressing some of our toughest emissions challenges, we are filling market gaps and collaborating with investors, innovators and industry leaders to spur substantial new investment where it will have the greatest impact. The CEFC invests on behalf of the Australian Government, with a strong commitment to deliver a positive return for taxpayers across our portfolio.