

QUEENSLAND

RESOURCE RECOVERY INDUSTRIES

10-Year Roadmap and Action Plan
PROGRESS REPORT



Our vision is for a sustainable resource recovery industry that provides measurable economic and environmental benefits for the Queensland economy, creates new jobs, provides workforce upskilling opportunities and builds capacity and new markets in regional Queensland.

Launch
2019



Completion
2029

Unite & Recover

The Queensland Government is committed to helping Queensland become a zero-waste society. Our aim is to develop markets for recycled and repurposed material by working with industry to divert waste from landfill, converting it into a valuable resource. COVID-19 has significantly impacted the resource recovery sector, particularly in relation to the availability of equipment, shipping delays for machinery and parts and changes in waste generation. The Queensland Government has worked closely with contracted companies to ensure projects with COVID-19-related delays can continue to be delivered, bringing jobs and economic growth to cities and regional areas around the state. I look forward to working with industry to seek and deliver opportunities that strengthen our economy and deliver jobs for Queenslanders.

The Honourable Steven Miles MP
DEPUTY PREMIER and MINISTER FOR STATE DEVELOPMENT



Case study – Townsville Regional Council

Magnetic Island is a small, environmentally aware community wanting do more to tackle its waste problem. In the past, the island’s waste was sent to landfill, transported back to the mainland by barge. Townsville City Council successfully sought funding through the Resource Recovery Industry Development Program (RRIDP) to increase the diversion rate of domestic waste on the island, moving closer to a circular economy.

RRIDP funding supported a new Magnetic Island Waste Facility infrastructure to improve the recovery of recyclable commodities (cardboard, plastic and metals) and re-useable items (toys, furniture, electrical and household items). The upgrade includes a new Resource Recovery Centre, with purpose built workshop facilities for up-cycling diverted products, an indoor resale area and storage.

Not only is it better for the environment and the community but it will help Townsville City Council achieve their target of diverting and recycling 40% of municipal solid waste.



Queensland
Government

Achievements under the Queensland Resource Recovery Industries 10-Year Roadmap and Action Plan



Queensland is moving toward a circular economy and the Queensland Government is committed to working with the resource recovery industry to harness the potential value of resources traditionally discarded by society.

Resource recovery aims to divert useful wastes and end-of-life materials away from landfill to create valuable new products or outputs. The resource recovery industry includes local government and businesses involved in designing, collecting, transferring, sorting, converting, remanufacturing and producing valuable new products from waste. Since its launch in September 2018, the RRIDP has supported:

- > 29 business and local government projects
- > diverted 1.3 million tonnes of waste from landfill which is 11.1% of the 11.04 million tonnes generated in 2018-19
- > delivered an additional \$193.8 million in capital investment
- > created more than 360 jobs across Queensland
- > received over 270 applications seeking \$797 million in funding.

Case study

Blocktexp Pty Ltd – advancing new technologies

Textiles account for 10 per cent of global carbon emissions and, in Australia, an estimated three million tonnes of textiles go to landfill annually. Blocktexp worked with CSIRO and QUT to develop a small-scale and environmentally friendly process that takes blended fabrics and reduces them to their raw components. Blocktexp has successfully secured \$600,000 through RRIDP to establish a first-of-its-kind multi-fibre textile recycling plant in Woodridge. This new chemical separation technology and is expected to recycle up to 10,000 tonnes per annum of commercial textiles by processing textiles into recycled-PET pellets and cellulose powder.

Case study

Disruptive Packaging – market and supply chain development

Disruptive Packaging Pty Ltd is the inventor and manufacturer of Uniqcor, an innovative packaging material for produce and seafood markets.

The company was recognised at the Worldstar 2021 Global Packaging Awards for their Uniqcor packaging, a reusable and fully recyclable, water-proof packaging material for fresh produce and seafood markets that replaces single use wax cardboard and styrofoam crates.

Disruptive Packaging were awarded \$275,000 towards establishing Uniqcor packaging collection points in Brisbane and Rockhampton and the pelletisation process as part of reprocessing the packaging. The company is helping Queensland move towards a circular economy by diverting more than 6,400 tonnes per annum of waste from landfill.

Map

RRIDP projects around Queensland

