


Opal is focused on the principles of the circular economy and we are committed to continuing to reduce waste through reuse and recycling. We also continue to transition our energy usage to renewable sources.

### Recycling at Botany Mill

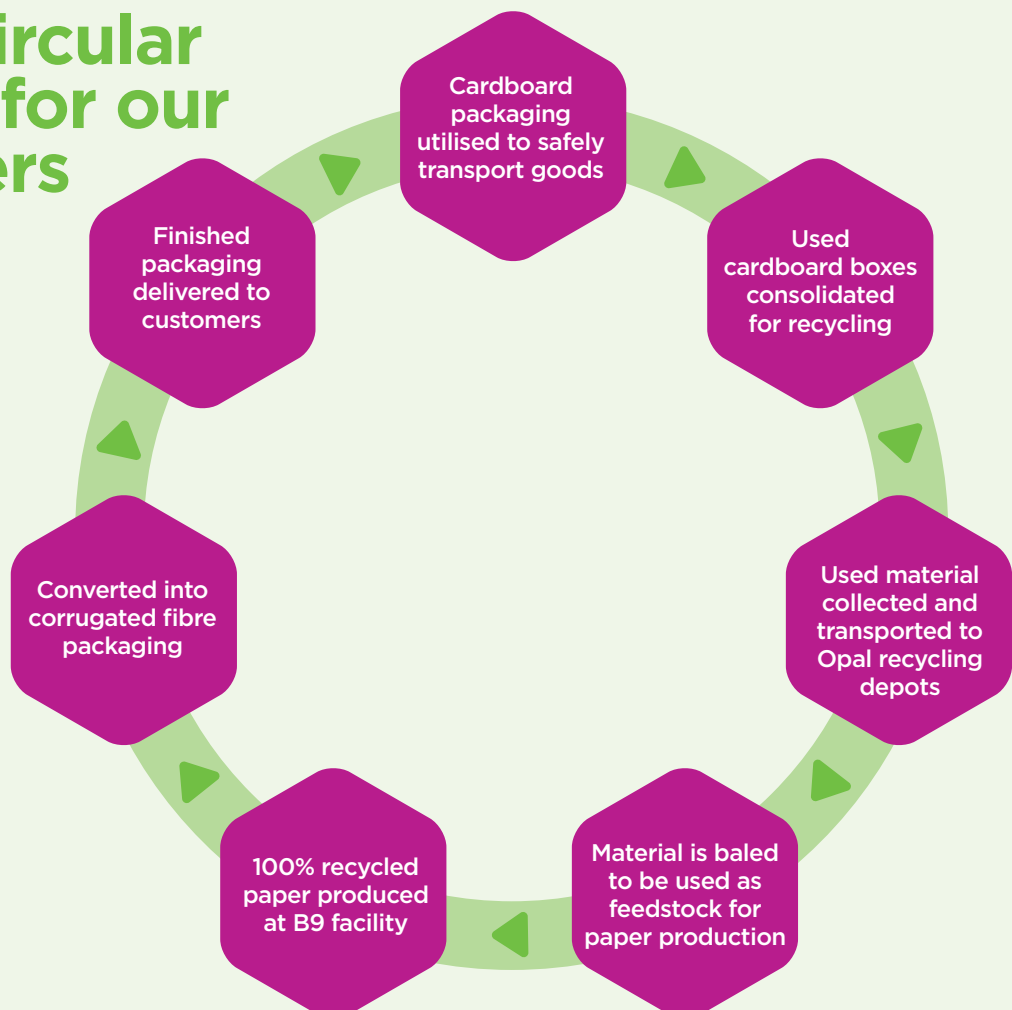
Opal's Botany Mill is one of Australia's largest and most advanced cardboard recycling operations. Our B9 paper machine at Botany Mill produces high quality 100 per cent recycled packaging containerboard for conversion into corrugated board through Opal Fibre Packaging.

The circular process extends the life of products and resources which assists to reduce business costs.

The division also offers a range of recycling services for a wide range of businesses.

| Opal Paper & Recycling Botany Mill   |  |  |
|--|--|--|
|  | RECEIVED   | PRODUCED   |
|  Paper Recycling | Brown recycled fibre<br><b>504,027</b><br>Tonnes | Recycled paper at B9<br><b>438,254</b><br>Tonnes |

## Opal's circular process for our customers



## Energy at Botany Mill

Botany Mill uses approximately 7,000 kilolitres of water a day for production and in 2018, B9 implemented a new water treatment process that creates a sustainable energy supply for the Mill.

The process collects methane captured during the waste-water treatment process and uses it to power an engine producing 6,000MWh per year.

Heat is captured from the engine to preheat the water used in our mill replacing 30,000GJ of natural gas usage per annum.



## Composting at Botany Mill

Opal Paper & Recycling Botany Mill turns paper that has come to the end of its recycling life into “paper crumble” which is used as a soil improver in compost blends for agriculture and mine rehabilitation. Its benefits include high organic matter and significant water-holding capacity for dry soils, allowing for reduced irrigation.

In addition, excess biomass from the Botany site water treatment plant is re-used as a natural fertiliser to boost crops and pasture growth in the region.

A total of 34,500 tonnes of material from Botany was composted through these initiatives in 2022.

