## **OVEOLIA**

The Waste Journey to and through the Woodlawn Mechanical and **Biological Treatment Facility located** at the Woodlawn Eco-Precinct.

Collected household waste is







The waste is tipped into a pit where an overhead crane with a grapple feeds 4 rotating drums known as bio-drums

Grapple crane

The waste is combined with air and water in the bio-drums to speed-up the breakdown of the organic material

**Bio-Drum** 

Metals are removed for recycling. Organic material travels along a conveyor to continue its journey and all other material is sent on a separate conveyor as residual waste

Metals will be recycled



The residual waste is transferred to the Woodlawn landfill which produces methane gas that is converted into energy and waste heat. Energy is used to power over 5,000 homes. Waste heat is used for onsite aquaculture and horticulture



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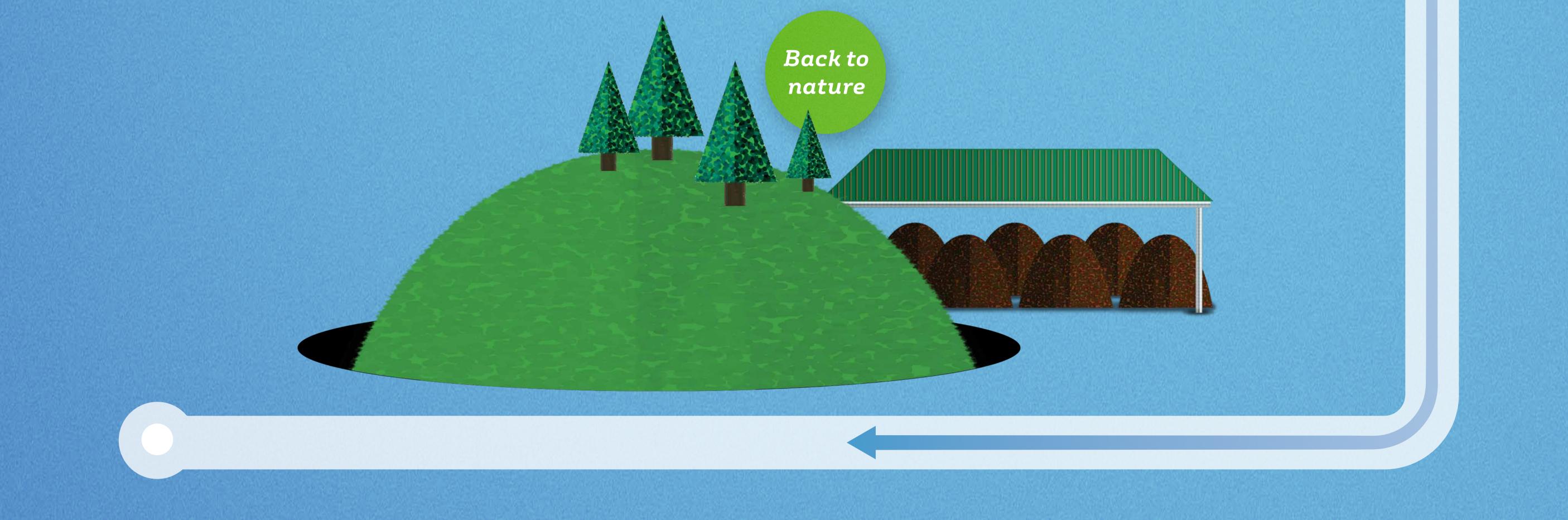
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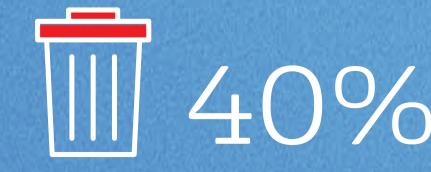
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Three months of aerated fermentation and maturation prepares the Woodlawn Organic Output (WOO) for use in remediating a mine site's tailings dam





About 40% of the red lid bin content is recovered (organics, metals & moisture)

The process from bin collection to final placement of WOO on the tailings dam is approximately 3 months

MONTHS

The Woodlawn Eco-Precinct is located 250 km south of

(0) 250 KM South

Sydney in Tarago NSW

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