

From Liquid Anaerobic Digestate to Fertiliser

powering Australia's circular economy



1 L of Liquid Anaerobic Digestate

~5 L of plant nutrient solution

50%

Australia imports of fertilisers

1,300 t/y

Recoverable nutrients from wastewater (Greater Sydney)

\$2.5 M/y

Market value of recovered nutrients (Greater Sydney)



Local circular solutions

Waste as a valuable resource



ARC NiCE hub delivers technologies to recover nutrients from waste streams



Reduce emissions for water utilities: -30% (Scope 1), -15% (Scope 2)



Savings: ~\$10M/y for Sydney Water



Replace imported synthetic fertiliser



Enable circular economy opportunities in **Western Sydney** precinct

Applications

Hydroponics
Green walls
Urban landscaping

