

Beneficial Land Uses for Wastewater Treatment Plant

Land Use (1)	Outputs and Inputs (2)					
	Recycled Water	Biosolids	Biogas	Renewable Energy	Carbon offset	Environmental offset
Water						
Wastewater treatment	✓			✓		
Water treatment e.g. desalination, advanced water recycling	✓			✓		
Water storage e.g. groundwater replenishment, managed aquifer recharge	✓			✓		
Water storage e.g. groundwater replenishment, managed aquifer recharge	✓			✓		
Drainage and stormwater harvesting and management	✓			✓		
Services						
Recreation e.g. parks, sports grounds, golf courses, walk/horse trails	✓	✓				
Research facilities e.g. trial sites	✓	✓	✓			
Urban agriculture e.g. allotments	✓	✓				
Conservation and Natural environments						
Nature conservation	✓				✓	✓
Managed resource protection (e.g. aquifer/wetland recharge)	✓					
Lakes and wetlands e.g. conservation	✓					
Rehabilitation (e.g. revegetation, salinity, erosion)	✓	✓			✓	✓
Forestry						
Tree plantations including hardwood, softwood, oil, carbon	✓	✓			✓	
Urban forestry including block and distributed plantings	✓	✓			✓	✓
Arboretum	✓				✓	✓
Forestry						
Perennial and annual horticulture e.g. orchards, vineyards, vegetables, turf	✓	✓				
Intensive horticulture e.g. nurseries, glass houses	✓					
Intensive animal husbandry e.g. horse studs, stables	✓					

¹ Land uses are based on the [Australian Land Use Management \(ALUM\) classification](#).

² Refers to outputs from and inputs to wastewater treatment plants

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Manufacturing, Industrial and Commercial						
Heavy, general and light industry, manufacturing, C&D recycling	✓					
Recycling e.g. construction and demolition						
Commercial e.g. data centres, technology park, knowledge hub	✓					
Energy						
Biogas energy facility e.g. anaerobic digester, co-digestion	✓		✓	✓		
Wind/solar farms	✓			✓		
Battery storage e.g. for microgrid network	✓			✓		
Waste 2 energy facility	✓	✓	✓	✓		
Heat Exchanger	✓			✓	✓	
Waste Disposal and Treatment						
Landfill including methane capture and bioenergy		✓				
Composting/soil amendment plant (enclosed)	✓	✓			✓	
Solid waste transfer station	✓			✓		

Contact

For more information contact the Water Corporation's Land Planning team by emailing land.planning@watercorporation.com.au