

Beneficial land uses for wastewater treatment plant buffers



Land use ¹	Outputs & Inputs ²					
	Recycled water	Biosolids	Biogas	Renewable energy	Carbon offset	Biodiversity offset
Conservation and natural environments						
Nature conservation	✓				✓	✓
Managed resource protection (e.g. aquifer/wetland recharge)	✓					
Rehabilitation (e.g. revegetation, salinity, erosion)	✓	✓			✓	✓
Forestry						
Tree plantations including hardwood, softwood, oil, carbon	✓	✓			✓	
Urban forestry	✓	✓			✓	
Irrigated agriculture						
Pasture cropping/hay e.g. lucerne, Rhodes grass	✓	✓				
Woody fodder plants e.g. tagasaste, A. saligna	✓	✓				
Perennial horticulture e.g. fruit and nut orchards, vineyards	✓	✓				
Annual horticulture e.g. vegetables and herbs, turf	✓	✓				
Intensive horticulture e.g. nurseries, glass houses	✓					
Intensive animal husbandry e.g. horse studs	✓					
Manufacturing, industrial and commercial						
Heavy, general and light industry	✓					
Commercial e.g. data centres	✓					
Services						
Recreation e.g. parks, sports grounds, golf courses, walk/horse trails	✓	✓				
Research facilities e.g. trial sites	✓	✓	✓			
Urban agriculture e.g. allotments	✓	✓				
Utilities						
Biogas facility e.g. anaerobic digester, co-digestion	✓		✓	✓		
Biodiesel facility	✓			✓		
Wind/solar farms	✓			✓		

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

² Refers to outputs from and inputs to wastewater treatment plants

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Waste 2 energy facility	✓	✓	✓	✓		
Waste disposal and treatment						
Wastewater treatment	✓					
Landfill including methane capture and bioenergy		✓				
Composting/soil amendment plant	✓	✓			✓	
Solid waste recycling facility	✓					
Water						
Lakes and wetlands e.g. conservation	✓					
Drainage and stormwater management	✓					
Groundwater replenishment	✓					

Contact

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