

<b>Name of wastewater treatment plant</b>	Upper Nepean Advanced Water Recycling Centre
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System Summary	Projected			
	2026	2031	2046	2056
Upper Nepean WRP ADWF (ML/d)		18	27	36
Upper Nepean load (EP <sub>cod</sub> )		120,000	180,000	240,000

Treatment capacity constraints for 2022 – 2036	Estimated year of exceedance
Interim servicing through Glenfield WRP and then Proposed new treatment plant-by 2027 and phase 1 and then phase 2- integrated water recycling plant to serve growth to 2056	N/A

Summary of servicing strategy for 2022 – 2036
<p>The wastewater servicing direction for the region, including where high growth is forecast, has been considered in the following context:</p> <ol style="list-style-type: none"> <li>1. Glenfield Servicing Direction: Expansion of the Glenfield wastewater system to service the Menangle to West Appin growth precincts via Glenfield WRP</li> <li>2. Upper Nepean Servicing Direction: Implementing a new wastewater treatment facility in the Upper Nepean catchment named “Upper Nepean” Advanced Water Recycling Centre (AWRC) to service the Menangle to West Appin growth precincts locally</li> </ol> <p>The proposed timing for the Upper Nepean facility to become operational has been set at 2031. However, it is acknowledged that further investigations will be needed to confirm the exact timing for the new facility as well as understand the associated risks and investment decisions on the existing facilities as they continue to provide service until the new facility is commissioned.</p>

Anticipated augmentation and upgrades for 2022-2036			
Year commissioned	Description	Approximate capital cost (\$M)	Impact on servicing capacity
2027	Phase 1 Wastewater servicing- Planning design and construction of new facility	126**	Provide wastewater service to the greater Macarthur growth area
2032	Phase 2- Advanced water recycling plant	83**	Services 2056 projected growth and provides integrated water recycling facility

\*\* These are based on current capital investment plan (CIP) allocation. substantial additional spending will be needed for the project and will be known as the planning work progresses.

Further investigations
Detailed planning on the Greater Macarthur region growth servicing is underway. Additional capital needs will be clear as the planning and investigation progresses including a clear picture of the need to rationalise existing smaller plants like Picton and West Camden in the region.