

Name of wastewater treatment plant	Warriewood Wastewater Treatment Plant
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System Summary	Projected				
	2026	2031	2036	2046	2056
Warriewood WWTP ADWF (ML/d)	17.5	18.3	18.7	18.9	19.1
Warriewood WWTP load (EP _{COB})	90,647	96,171	98,950	99,869	100,445

Treatment capacity constraints for 2022 – 2036	Estimated year of exceedance
None identified prior to 2030.	N/A

Summary of servicing strategy for 2022 – 2036
Continued treatment of wastewater for discharge to ocean as per the current EPL (2018). The Capacity Assessment and Upgrade Option Report recommended a range of non-growth-related augmentations to improve the treatment system and meet service requirements through to 2056. These Reliability & Renewal (R&R) upgrades include: the addition of 2 clarifiers to the secondary treatment process, the modification of the mixed liquor splitting chamber, introduction of WAS wasting from bioreactor and the installation of instrumentation to monitor nitrogen and phosphorous concentration.

Anticipated augmentation and upgrades for 2022 – 2036			
Year commissioned	Description	Approximate capital cost (\$M)	Impact on servicing capacity
N/A	None identified.		

Further investigations
The timing of these nominated R&R upgrades are dependent on when the existing redundancy constraints and associated operational risk with respect to reliably achieving the required effluent quality becomes unacceptable.