

Name of wastewater treatment plant	Wollongong Water Reclamation Plant
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System Summary	Projected				
	2026	2031	2036	2046	2056
Wollongong WRP ADWF (ML/d)	57.9	60.7	61.5	63.0	63.7
Wollongong WRP load (EP _{cod})	318,010	336,650	342,310	351,920	356,840

Treatment capacity constraints for 2020 – 2030	Estimated year of exceedance
Biosolids stabilisation capacity constrained due to growth (digester capacity).	2026

Summary of servicing strategy for 2020 – 2030
Continued treatment of wastewater for discharge to ocean as per the current EPL. Process and Reliability Renewals (PARR) Project has been completed. Capacity augmentation to the Anaerobic Digestors is planned to be completed by 2026.

Anticipated augmentation and upgrades for 2020 – 2030			
Year commissioned	Description	Approximate capital cost (\$M)	Impact on servicing capacity
2023	Dewatering project upgrade	Project in progress	Biosolids dewatering capacity to cater beyond 2036 needs
2027	BNR upgrade Convass bioreactor upgrade Convass clarifier upgrade additional anaerobic digesters or equivalent stabilisation capacity increase.	15.25	Provide capacity to 2036 and beyond

Further investigations
Treatment processes upgrades (Biosolids dewatering, ventilation/odour control, inlet works and ConvAS aeration) are currently underway helping to enhance unit capacity, ongoing maintenance, and the reliability of process unit capability.

New upgrades that are currently underway at Wollongong WRP as part of the Process and Reliability Renewals (PARR) Project. Currently underway projects in the PARR that help improve reliability and service growth include upgrades to biosolids dewatering, ventilation, and odour controls, ConvAS aeration and inlet works. However, as growth servicing is not the primary driver for the PARR project, the key growth project is a capacity augmentation to the anaerobic digestors. This digester upgrade is estimated to be commissioned by 2026 – will resolve several operating constraints and to service growth

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