

<b>Name of water treatment plant</b>	Macarthur Water Filtration Plant
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System Summary	Projected					
	2026	2031	2036	2041	2046	2056
Total Equivalent Population (EP)	510,384	645,538	721,807	779,807	830,490	898,907
Average day demand (ADD) ML/d	127	157	174	186	198	213
Max day demand (MDD) ML/d	236	299	334	361	385	417

Current treatment capacity	(ML/d)
Treatment / filtration - high raw water quality	243
Treatment / filtration - good raw water quality	185
Treatment / filtration - poor raw water quality	80

Treatment capacity constraints for 2022 – 20360	Estimated year of exceedance
Growth and filter capacity constraints	2036

Anticipated augmentation and upgrades 2022-2036			
Year commissioned	Description	Approximate capital cost (\$M)	Impact on servicing capacity
2036	Upgrade to WFP through the addition of six new filters upgrade of raw water pumping and rising main.	51	Hydraulic and filtration capacity will be raised to 372 ML/d with the upgrade. This will provide treatment capacity beyond 2036

Further investigations
Reliability projects detailed in the Macarthur Investment plan to pre-treatment and solids systems are scheduled for 2026 and have huge capacity side-benefits.