

Name of water treatment plant	Nepean Water Filtration Plant
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System Summary	Projected					
	2026	2031	2036	2041	2046	2056
Total Equivalent Population (EP)	37,869	39,931	40,651	41,370	41,905	42,978
Average day demand (ADD) ML/d	12	13	14	15	15	16
Max day demand (MDD) ML/d	28	31	32	34	35	37

Current treatment capacity	(ML/d)
Treatment / filtration - normal raw water quality	28
Treatment / filtration - poor raw water quality	16

Treatment capacity constraints for 2022 – 2036	Estimated year of exceedance
Poor raw water quality event production capacity constraints.	Event based
No typical raw water quality production capacity constraints for growth servicing up to 2030.	Post-2036

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

Further investigations
With the current population and MDD forecasts, growth servicing upgrades will be deferred to beyond 2046, as the reliability improvement will provide capacity to that date.