

Name of water treatment plant	North Richmond Water Filtration Plant
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System Summary	Projected				
	2016 / 2017	2021	2026	2036	2046
Total Equivalent Population (EP)	48,700	54,300	60,900	68,900	71,400
Average day demand (ADD) ML/d	17	18	20	22	23
Max day demand (MDD) ML/d	35	38	42	47	49

Current treatment capacity	(ML/d)
Treatment / filtration - normal raw water quality	48
Treatment / filtration - poor raw water quality	14

Treatment capacity constraints for 2020 – 2030	Estimated year of exceedance
Poor raw water quality event production capacity constraints - typically short term.	Event-based

Anticipated augmentation and upgrades			
Year commissioned	Description	Approximate capital cost (\$M)	Impact on servicing capacity
2022	Reliability project: raw water pumping upgrade, filter repairs, additional GAC contactor, install UV disinfection, and chemical dosing upgrade.	47	Increased reliability of production capacity and treated water quality.

Further investigations
Reliability project in concept design phase. Scope may vary pending review against system plan.