

Appendix B

DRAFT- Preliminary Summary of Initiatives - Water Capacity Constraint

(listed in order of potential completion date only, all information contained within is draft, and subject to change following a risk-based technical review and discussion with the MECP)

Urgency	Initiative	Estimate of Flow l/s	Impact	Status	Start Schedule	Completion	Completion (accelerated)
Immediate	Parkway Repairs	0*	Restore operational resiliency	under repair- regaining lost operational resiliency * (60 L/S)	Q1 2025	Q1 2026	N/A
Immediate	Greenbrook Repairs	0*	Restore operational resiliency	under repair/improvements- regaining lost operational resiliency * (80 L/s)	Q3 2025	Q3 2026	N/A
Short term	Greenbrook modified operation	20 14	New capacity for 11000 people	Operation modification, adding flow at operating risk	Q3 2025	Q3 2026	Q3 2026
Short term	Wilmot supply reallocation beyond 1980 water taking policy	~30	New capacity for 10500 people	Council Report	Q1 2026	upon Council resolution	N/A
Short term	Pilot- Mannheim temporary side stream treatment (to bridge until DAF is completed; not an additional increase after DAF completion)	~50-100 in 6-18 months (up to 300 ultimate)	New capacity (see Mannheim WTP below)	To be reviewed with technical experts in industry workshops in Jan/Feb; technical feasibility of electrical and waste disposal requirements tbd	Q1 2026	2027	2027
Medium term	Maple Grove WS	~42	New capacity for 15,000 people	Finishing Class EA addendum	Q1 2026	2030	2029
Medium term	Feasibility of Well K32 side stream treatment (pilot similar to Mannheim above)	~20	New capacity for 7,000 people	To be reviewed with technical experts in industry workshops in Jan/Feb; technical feasibility of electrical and waste disposal requirements tbd	Q1 2026	2029 (?)	2029 (?)
Medium term	Water Conservation	likely small %-age will take time	TBD	Initiating conservation study	Q1 2026	tbd	N/A
Medium term	Cam 2W PS (Briardeen PS) and associated watermains	variable, up to 70	Improved system integration and transfer of surplus from Middleton to Mannheim temporarily for 25,000 people	Planning preparations	Q1 2026	2031	2030
Medium term	Greenbrook Water Treatment Plant Facility Plan	~20-60	New capacity for 7000 to 21,000 people	new WTP to replace existing *	Q4 2025	2031	2030
Medium term	Mannheim WTP Dissolved Air Flotation (DAF)	~250*	*(will replace short term pilot) and adds new capacity for 41,000 people	Detailed Design underway; Phase 1 is Greenfield installation	Q3 2025	2032	2031
Medium term	Grand WS (aka K70s/K80s)	~100	New capacity for 35,000 people	Planning preparations	Q1 2026	2032	2031
Long term	Water Supply Strategy Update	TBD	New capacity for 2051 time horizon	Study has been initiated	2022	2027	