



Project Fact Sheet
WTP2: Membrane Module Replacement
5-C-034-25
February 3, 2026

Project Manager: Nate Baldwin / Nicole Woods

Description: This project includes the design and replacement of the membrane module filtration system at the Olathe Water Treatment Plant (WTP2).

Justification: This project is needed to restore the water treatment capacity of the membrane module filtration system. The existing modules are at the end of their intended useful life, and condition degradation has led to reduced treatment capacities as low as 60% of the original intended design. The project will also rehabilitate ancillary equipment and provide system optimizations to improve performance with new treatment processes that have been introduced at the WTP2 in recent years.

Schedule:	Item	Date
Study:	Consultant Selection	02/11/2025
	Final Study	10/06/2025
Design:	Begin Design	02/04/2026
Construction:	Bid Award	Fall 2026 – Estimate
	Completion	Spring 2027 – Estimate

Council Actions:	Date	Amount
Approved in CIP	2023-2027	\$4,470,000
Project Authorization	01/09/2024	\$129,126,700
Professional Services Agreement	02/11/2025	\$48,715
Supplemental Agreement No. 1	02/03/2026	\$136,635
Accept Bid/Award Contract		

Funding Sources:	Amount	CIP Year
Revenue Bonds	\$ 3,519,517	2025-2026

Expenditures:	Budget	Amount to Date
Design	\$ 375,000	\$ 48,688
Staff	\$ 100,000	\$ 8,163
Construction	\$ 2,750,000	\$ 0
Contingency	\$ 294,571	\$ 0
Total	\$ 3,519,571	\$ 0