



Project Fact Sheet
Water Treatment Plant 2:
Alternative Disinfection
5-C-004-16
December 3, 2019

Project Manager: Beth Wright / Lorrie Hill

Description: The Alternative Disinfection project was identified as a need in the Water Treatment Plant 2: Facility Plan Report (Facility Plan). The Facility Plan identified operational challenges with maintenance of the clearwells and a deficit of on-site clearwell storage due to the current disinfection process. This project will include construction of facilities for chlorine dioxide disinfection including a chlorine dioxide contact tank and a new building to house the chlorine dioxide generation and feed equipment. Completion of this project will allow the existing clearwells to be used for on-site storage, which will provide redundancy of the disinfection process and allow for future plant expansions, as needed.

Justification: These upgrades are necessary to provide operational reliability at the plant, to ensure long-term compliance with disinfection regulations, and to accommodate future plant expansions.

Comments: Construction is underway and will be completed in Summer 2020.

Schedule:	Date	
Professional Services Agreement – Black & Veatch	11/07/2016	
Preliminary Engineering Completion	10/26/2017	
Design Completion	09/10/2018	
Construction Contract Award	11/06/2018	
Council Actions:	Date	Amount
Project Discussion	04/18/2017	N/A
Professional Services Agreement – Black & Veatch	05/02/2017	\$ 79,451
PSA Supplemental No. 1	12/19/2017	\$ 665,500
CMAR Discussion	03/06/2018	N/A
Construction Amendment No. 3	11/06/2018	\$4,673,131
PSA Supplemental No. 2	11/06/2018	\$ 417,324
Professional Services Agreement – Kaw Valley	11/06/2018	\$ 28,480
PSA Supplemental No. 3	12/03/2019	\$ 78,582
Funding Sources:	Amount	CIP Year
Water and Sewer Funds	\$ 706,790	2016, 2017
SDF	\$1,197,832	2019
Revenue Bonds	\$4,084,538	2017, 2019
Expenditures:	Budget	Amount to Date
Design	\$1,240,857	\$ 989,444
Construction/Contingency	\$4,650,000	\$2,477,530
Testing	\$ 24,160	\$ 20,100
Staff	\$ 74,143	\$ 65,935
Total	\$5,989,160	\$3,553,009