

CITY OF SIOUX FALLS - WATER RECLAMATION PROJECTS 2019 - 2024



P.O. Box 7402, Sioux Falls, SD 57117-7402

Approximate Design Schedule
Transition from Design to Construction
Approximate Construction Schedule

PROJECT	PROJECT DELIVERY METHOD	2019	2020	2021	2022	2023	2024
Cliff and Chambers Equalization Expansion (Design in 2018)	Design, Bid, Build						
Water Reclamation Final Clarifier Improvements (Design in 2018)	Design, Bid, Build	\$1,280,000					
Main Pump Station Replacement (Design in 2018)	Design, Bid, Build	\$22,400,000					
PS 240 Capacity Improvements	Design, Bid, Build	\$2,000,000	\$1,000,000	\$36,390,000			
Basin 15 Sanitary Sewer Extension	Design, Bid, Build			\$9,210,000			
Basin 18C Sanitary Sewer Extension (Arrowhead Pkwy)	Design, Bid, Build		\$2,813,000				
Pump Station Improvements							
Pump Station PS-203 (Renovations, wetwell modifications, roof, HVAC improvements)	Design, Bid, Build	\$1,980,000					
Pump Station PS-218 (Address flood issues, electrical, roof, HVAC improvements)	Design, Bid, Build		\$1,130,000				
Pump Station PS-204 (Upgrade electrical and provide Davit crane bases)	Design, Bid, Build			\$70,000			
Pump Station PS-205 (Maintenance lift, standby generator, misc. improvements)	Design, Bid, Build			\$270,000			
Pump Station PS-206 (Lift station re-build)	Design, Bid, Build			\$360,000			
Pump Station PS-224 (Replace existing pumps w/Dry-Pit Flygt N-pumps or recessed impeller pumps)	Design, Bid, Build			\$180,000			
Pump Station PS-201 (Stand-by generator)	Design, Bid, Build			\$100,000			
Pump Station PS-213 (Stand-by generator)	Design, Bid, Build			\$100,000			
Pump Station PS-221 (Stand-by generator)	Design, Bid, Build			\$100,000			
Pump Station PS-239 (Electrical, pump and equipment upgrades)	Design, Bid, Build			\$300,000			
Pump Station PS-220 (Upgrade to address age/condition, and flood issues)	Design, Bid, Build				\$1,250,000		
Basin 17 Sanitary Sewer Extension	Design, Bid, Build				\$165,000	\$1,479,000	
Water Reclamation Facility Improvements and Expansion	Construction Manager at Risk	\$4,000,000	\$37,625,000	\$18,500,000.00	\$87,500,000.00	\$11,375,000.00	
Immediate improvements (Subject to change during design)							
Step Feed Improvement at Aeration Basins							
Grit Influent Piping							
Primary Clarifier Influent Diversion (Hydraulics)							
Filter Building High Priority Items							
Biosolids Dewatering/Handling Improvements							
Dewatering Building Rehab Items							
Additional improvements (Subject to change during design)							
Headworks							
Primary Clarifiers							
Aeration Basin Upgrades							
Aeration Basin Splitter Box							
Aeration Basins							
Aeration Basin Blowers							
Replace RAS and WAS Pumps							
Final Clarifiers							
Chlorine Contact Expansion							
Effluent Flow Meter Improvements							
Convert Biosolids Lagoons to Equalization Basins							
New Generator							
Site Piping							
High Priority Age and Condition Reliability improvements (see Master Plan Appendix 10.A)							
Medium Priority Age and Condition Reliability improvements (see Master Plan Appendix 10.A)							

NOTES: The Water Reclamation Facility Improvements and Expansion project will use the CMAR delivery method. One designer and one CMAR will be utilized for the project. Schedule and budget are approximate only. The RFQ/RFP for designer and CMAR services is anticipated to be issued Q1 2019 and will provide more schedule and budget information. All dollars shown are "total project costs" and are not designated as design or construction dollars.

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SIoux FALLS WATER RECLAMATION FACILITY
Concept Plan