

**MMSD Planned Engineering/Planning RFPs\***  
**October 1 2022 through September 30 2023**

Contract # (if known)	Contract Name and Scope	Advertise Quarter	Advertise Year
M01044D01	<b>Engineering Services for HQ and Lab Building Remodel</b> - Engineering design contract to remodel the HQ and Laboratory facilities.	4	2022
TS-2702	<b>On-Call Levee System Engineering and Accreditation Services</b> - The District is working to achieve FEMA accreditation for Hart Park and Western Milwaukee Levee System. The District will use this contract to access engineering services required to meet these needs, such as engineering evaluation, plan development, designs to prepare bid documents, engineering services during construction, and post-construction engineering services.	4	2022
S04010D01	<b>Building 359 Odor Control Improvements</b> - Engineering services to improve ventilation and odor control systems for Building 359, Gravity Belt Thickening.	4	2022
C04005D01	<b>Martha Washington Area MIS Improvements</b> - Engineering services for rehabilitation or replacement of aged sewer assets within Martha Washington area.	4	2022
TBD	<b>Development of a Digital Transformation Plan</b> -Scope consists of working with District staff to develop a plan to use advanced digital solutions (artificial intelligence, machine learning, neural networks, advanced data analytics) to improve operation and maintenance of District owned water reclamation and conveyance facilities, improve decision making, and reduce costs, energy consumption and District's carbon footprint.	4	2022
W40010E02	<b>Wilson Park Creek Preliminary Engineering and Wilson Park Master Plan.</b> Preliminary engineering study to refine Kinnickinnic River Watershed Flood Management Plan (KKRWFMP) recommendations for Wilson Park Creek. Contract also includes a master planning study for Wilson Park.	1	2023
M06019P01	<b>CMMS Implementation</b> - The project scope includes procurement of a single Computerized Maintenance Management System (CMMS) to manage MMSD's asset systems. Ultimately this system would be used to schedule and manage maintenance activities for all the District Asset Systems, including Administrative, Conveyance, Water Reclamation, Green Infrastructure, and Watercourse assets. Implementation of the CMMS may require support from a consultant that has performed similar implementations.	1	2023
K01016P01	<b>Planning Services - Predictive Forecasting for Automatic Wet Weather Operation.</b> Planning services that includes the evaluation and implementation of predictive forecasting to estimate the storage volume and other input values for decision support and automated operation of the Conveyance/ISS systems during wet weather events.	1	2023
C02014E01	<b>Preliminary Engineering Services - MIS Number 42406.</b> Preliminary engineering services that includes the determination of the cause of sediment accumulation and significant joint offset in a 54-inch diameter MIS and recommendation for improvements.	1	2023
S04029D01	<b>Digester Mixing Improvements</b> - Engineering services for new mixing systems in anaerobic digesters 9 and 11, and converting one storage digester to active digester.	1	2023
J04064D01	<b>Chaff System Improvements</b> - Engineering services for replacement and rehabilitation of chaff handling equipment in JIWRP Dewatering and Drying facility. Scope also includes modifications and replacement of 7th floor dryer exhaust duct header piping and improvements to address moisture accumulation in recycle system.	1	2023
S06042P01	<b>Planning Services – Odor Assessment, Modeling and Capital Improvement Plan at South Shore WRF.</b> Planning project to procure consultant services to identify and sample odor sources at South Shore, perform air dispersion modeling to assess odor complaints, develop odor mitigation alternatives for the sources, and deliver recommendations in a capital improvement plan.	1	2023

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C98061E01	<b>Preliminary Engineering Services - Combined Sewer Outfalls.</b> Preliminary engineering services that includes NASSCO condition assessment of combined sewer outfall structures and piping, determination of remaining useful life, and recommendations for improvements.	1	2023
TBD	<b>General On-Call Engineering Services, Watercourse Facilities</b> - The project scope includes various engineering services, as needed, for projects related to District's Watercourse Facilities. Examples of anticipated engineering services include plan development and studies, preliminary engineering, evaluation of alternatives, developing recommendations, engineering designs, preparation of bid documents, technical memoranda and reports, and providing engineering services during construction.	1	2023
C98066E01	<b>Preliminary Engineering Services for Priority areas to Assess H2S -</b> preliminary engineering contract to assess pipe condition on 5 priority sites that have been impacted by H2S.	2	2023
W42003D01	<b>43rd Street Ditch Reach 1</b> - Engineering services to replace 700 feet of degraded corrugated metal pipe (CMP) culvert in 43rd Street and Lincoln Avenue with a larger reinforced concrete box culvert (RCBC), removing ~600 feet of concrete channel lining and replacing with lowered floodplain and naturalized channel. Scope also includes creating flood storage detention basin on District-owned property at 2425 S. 35th Street (former WE Energies parcel), designing diversion structure at 43rd Street Ditch, and conveyance pipes and open channel system between 43rd Street Ditch and 2425 S. 35th Street, which will divert flood flow from 43rd Street Ditch to detention basin.	2	2023
I98007P01	<b>Planning Services – Odor Assessment, Modeling and Capital Improvement Plan for the Inline Storage System</b> Planning project to procure of consultant services to evaluate existing ventilation and odor mitigation assets for the ISS, perform air dispersion modeling to assess odor complaints, conduct alternative analysis of mitigation strategies, and deliver recommendations in a capital improvement plan.	2	2023
S04040E01	<b>Preliminary Engineering Services- Biosolids Dryer Technology Evaluation.</b> Consultant services to build upon the dryer technology recommendations from the 2050 Facilities Plan and Biosolids Advanced Facilities Plan. The scope will be comprised of identifying all dryer vendors capable of producing the desired product specifications and execute pilot projects with vendors to verify design assumptions related to feed conditions, product quality, energy use, process efficiency, waste production, safety, operations, pathogen reduction, and permit compliance.	2	2023
S04037P01	<b>Planning Services - Pyrolysis Mass Balance</b> The purpose of this project is to collaborate with on-going research and pyrolysis vendors to complete a comprehensive fate and transport model of PFAS from biosolids in a pyrolysis process to support future pilot demonstrations and development of a basis of design.	2	2023
	<b>Plant O&amp;M Manual</b> - Pilot project to update selected unit processes in the plant O&M manual and develop the process, scope and cost estimate to update the entire manual.	2	2023
J02016D01	<b>Process Air Compressor Replacement</b> - Engineering services to either replace process air compressor (PAC) No. 2 or 3 with unit similar to PAC No. 1, or replace PAC No. 2 and 3 with units similar to turbo blowers at SSWRF.	2	2023
M03119P01	<b>Impacts of the 1000-Year Flood</b> - The consultant will provide a high-level evaluation of the impacts of the 1000-year storm within the District service area in Milwaukee County. This will be accomplished by using an integrated 1D/2D model (i.e., PCSWMM) in conjunction with available digital elevation models (DEMs).	2	2023

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S02017D01	<b>Process Air Header Branch Piping Replacement</b> - Engineering services to replace 30-inch diameter blower discharge pipe branches from Blower Generator Building to main air header at SSWRF. The scope includes services to rehabilitate corroded areas of main air header, and upgrade cathodic protection system.	2	2023
C98065D01	<b>Separate Sewer Outfall Abandonment</b> - Engineering services for abandonment of eight sanitary sewer outfalls.	2	2023
S04039D01	<p><b>Gravity Thickening and Acid Phase Digestion</b> - Engineering services for two new processes at SSWRF, gravity thickening and acid phase digestion.</p> <p>Components of gravity thickening include: Gravity thickening basins to receive and thicken both JI and SS primary sludge to 6.0% TS; Process building to house thickened sludge pumps; Odorous air handling and control facilities; Interconnecting sludge piping between gravity thickeners and acid phase digesters, and between gravity thickeners and existing digesters.</p> <p>Components of acid digestion include: Two acid-phase digesters with mixing equipment and digester gas collection system; Interconnecting digester gas and sludge piping between new digesters and existing digester system; New process building with heat exchangers, transfer pumps, and other appurtenances for complete system.</p>	3	2023
S06048D01	<b>Building Roof Replacement Phase 5</b> - Engineering services for roof replacements at 6 SSWRF facilities.	3	2023
K01015P01	<b>Planning Services - Third Rate Billing Study.</b> Planning services to evaluate a third methodology to account for billing based on infiltration and inflow.	3	2023
J03006D01	<b>Disinfection Process Improvements</b> - Engineering services for new disinfection process at JIWRP, currently assumed to be UV disinfection system for flows up to 150 MGD, and sodium hypochlorite for flows above 150 MGD.	3	2023
S03005D01	<b>Disinfection Process Improvements</b> - Engineering services for new disinfection process at SSWRF, currently assumed to be UV disinfection system for flows up to 150 MGD, and sodium hypochlorite for flows above 150 MGD.	3	2023
C01007D01	<b>South Howell MIS Relief</b> - Engineering services for preliminary design, modeling, geotechnical investigation, and final design of ~4,000 LF, 36-inch diameter relief sewer in South Howell Ave.	3	2023
C02013D01	<b>Oak Creek Southwest MIS Extension</b> - Engineering services for preliminary design, modeling, geotechnical investigation, and final design for 5,000 feet of new sewer in S 27th St.	3	2023
*All schedules are estimates and subject to change. This list will be modified and added to as projects evolve.			