

MMSD Planned Engineering/Planning RFPs*
April 3, 2023-March 31, 2024

Contract # (if known)	Contract Name and Scope	Advertise Quarter	Advertise Year
S04029D01	Digester Mixing Improvements - Engineering services for new mixing systems in anaerobic digesters 9 and 11 located at SSWRF, converting one storage digester to an active digester, and building modifications to meet the NFPA 820 standard.	2	2023
S06042P01	Planning Services – Odor Assessment, Modeling and Capital Improvement Plan at South Shore WRF. Planning project to procure consultant services to identify and sample odor sources at SSWRF, perform air dispersion modeling to assess odor complaints, develop odor mitigation alternatives for the sources, and deliver recommendations in a capital improvement plan.	2	2023
W42003D01	43rd Street Ditch Reach 1 - 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
S04040E01	Preliminary Engineering Services- Biosolids Dryer Technology Evaluation. 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
M03119P01	Impacts of the 1000-Year Flood - 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
C98065D01	Separate Sewer Outfall Abandonment - Engineering services for abandonment of eight sanitary sewer outfalls.	2	2023
TBD	Post-2027 Operations Assessment- Assist District in evaluating options for operations and maintenance of JIWRWF, SSWRF and conveyance system after end of the existing O&M Contract with Veolia Water Milwaukee.	2	2023
C098061E01	Preliminary Engineering - Outfall Facilities Assessment - Preliminary engineering services to develop plans and specifications for the condition assessment of outfall pipe and structures.	2	2023
TBD	Levee Inspection- This work will consist of performing levee inspections along the levee with related infrastructure including but not limited to storm sewers, sanitary sewers, and other utility crossings, vegetation inspection, final condition summary report, and repair recommendations.	2	2023
C98066E01	Preliminary Engineering - Condition Assessment of Conveyance H2S Priority Sites - technology assessment and bid package development for a contractor to perform condition assessment of conveyance piping with known H2S damage	2	2023
J04057D01	Milorganite Dryer Exhaust Duct Header and Damper Replacement Scope - Engineering services to develop plans and specifications for modifications and replacement of 7th floor dryer exhaust duct header piping.	2	2023
J01030D01	JI Odor Control Preliminary Treatment Facility - Engineering services to replace the inactive odor control system. More specifically, the scope includes: Demolish existing, inactive ozone contact chambers and install new carbon adsorbers in same locations; Foundations for the new carbon adsorbers; Replace the existing ozone contact chamber fans on the building roof with new larger fans; New odor control system ductwork for the screening areas; Reuse the existing ductwork from the grit basins to the extent possible; Associated electrical, instrumentation and controls work.	2	2023
TBD	Fresh Coast Works: Fresh Coast Ambassadors - NGO or consultant services needed to manage, coordinate, and recruit for hands on work experience in the watersector. The purpose of this program is to introduce residents of the District's service area to water industry careers, watercourse issues, and green infrastructure, while generally promoting personal and professional development. The program is called the Fresh Coast Ambassador Program (Program). The Program will prioritize employing residents in priority SVI zipcodes within the District's Service area, where crew members are 16-24 and crew leaders are over 21. The Program will involve a minimum of 4 crew members per team (8 total in 2023, 12 in 2024, and 12 in 2025, one crew leader apprentice, one project coordinator, and two crew leaders for one year, as indicated.	2	2023

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S06048D01	Building Roof Replacement Phase 5 - Engineering services for roof replacements at six buildings located at the SSWRF.	2	2023
J06091P01	Plant O&M Manual - 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	Process Air Compressor Replacement - Engineering services to either replace process air compressor (PAC) No. 2 or 3 with unit similar to JIWRP PAC No. 1, or replace PAC No. 2 and 3 with units similar to turbo blowers at SSWRF.	2	2023
J04064D01	Chaff System Improvements - Engineering services for replacement and rehabilitation of chaff handling equipment in JIWRP Dewatering and Drying facility. Scope also includes improvements to address moisture accumulation in recycle system.	3	2023
TS-2715	General On-Call Engineering Services, Watercourse Facilities - 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.	3	2023
S04039D01	Gravity Thickening and Acid Phase Digestion - Engineering services for two new processes at SSWRF, gravity thickening and acid phase digestion. <u>Components of gravity thickening include:</u> 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. <u>Components of acid digestion include:</u> 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.	3	2023
J03006D01	Disinfection Process Improvements - 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	Disinfection Process Improvements - 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	South Howell MIS Relief - Engineering services for preliminary design, modeling, geotechnical investigation, and final design of ~5,300 LF, 36-inch to 48-inch diameter relief sewer in South Howell Ave.	3	2023
C02013D01	Oak Creek Southwest MIS Extension - Engineering services for preliminary design, modeling, geotechnical investigation, and final design for 5,000 feet of new sewer in S 27th St.	3	2023
M10004E07	PPII Planning, design and construction engineering services. On-call services for municipality and District PPII projects	3	2023
G98026D1	2024 Fresh Coast Highways - The purpose of this project is to continue GI implementation to meet the 2035 Vision and Regional GI Plan goals of installing 740 million gallons of GI capture capacity within the District's service area. Additionally, the District's WPDES permit GI goal is to achieve an additional 50 million gallons of GI capacity in the MMSD service area by 2024. The project scope includes planning, design, and construction of green infrastructure within the MMSD's GI service area. The maintenance of the green infrastructure to be installed would be managed by municipal partners where the GI projects are located. The project plans to partner with local municipalities and the WisDOT with work occurring underneath freeway overpasses.	3	2023
TBD	North Avenue Fish Passage - Preliminary engineering services to modify the Milwaukee River between North Avenue and the former North Avenue Dam to improve conditions for fish migration.	3	2023

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G98009	Milwaukee Neighborhood Green Infrastructure Outreach 2024-2027 - Manage and coordinate community outreach activities in two areas that will educate the public on sustainable water usage through the implementation and maintenance of small, neighborhood-level green infrastructure (GI) projects. There is one dedicated focus area for this project that includes several neighborhoods: the 30th Street Corridor (Century City Triangle, Old North Milwaukee, Garden Homes, Franklin Heights, Lincoln Creek, Roosevelt Grove, Thurston Woods, Sherman Park, and Washington Park neighborhoods).	3	2023
G98008	Suburban Neighborhood Green Infrastructure Outreach 2024-2027 - Manage and coordinate community outreach activities in two areas that will educate the public on sustainable water usage through the implementation and maintenance of small, neighborhood-level green infrastructure (GI) projects.	3	2023
J04079D01	Dryer Train Overhaul and Upgrades - Design and construction for the overhaul of up to 12 dryer trains in the Dewatering and Drying (D&D) Facility.	3	2023
J06086D01	Building Roof Replacement Phase 4 at Jones Island WRF - Engineering Services for the replacement of roofs on three buildings at the JIWRWF.	4	2023
K01016P01	Planning Services - Predictive Forecasting for Automatic Wet Weather Operation. 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.	4	2023
W20034D01	Sewer Rehabilitation for FEMA Levee Accreditation - Engineering services for the design of rehabilitation and repairs to various District, Milwaukee County Parks, and City of Wauwatosa sanitary and storm sewers that pass through the Hart Park and Western Milwaukee levee system. Scope includes development of bid documents for rehabilitation of storm and sanitary sewers and adding closures to storm sewers, and engineering services during construction.	4	2023
M10006E01	PPII Program Research and Development. Planning, research, and design of strategies to collect pre construction and post construction data for PPII projects. Data analysis of existing and new data to determine effectiveness of PPII projects. Develop strategies to implement new and emerging technologies for I&I identification and reduction from private property sources.	4	2023
J04080D01	D&D MCC Replacement - The engineering services to replace 27 motor control centers (MCCs). Some MCCs will be replaced with new MCCs, while others will be replaced with new switchboards where the existing MCCs no longer contain any starters or other motor control equipment.	4	2023
M06019P01	CMMS Implementation - 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.	4	2023
S06053D01	W3 Flushing Water System Fire Flow Improvements - Engineer services to improve fire flows to the southern portion of the lower site of the SSWRF. Project scope includes identifying and evaluating alternatives, including booster pumps, additional fire hydrants and W3 distribution pipe improvements.	1	2024
W40010E02	Wilson Park Creek Preliminary Engineering and Wilson Park Master Plan. 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	2024
J04081D01	D&D HVAC Upgrade - Engineering services to upgrade the majority of the HVAC equipment in the Dewatering & Drying Facility. This project will include at least two construction contracts and the HVAC equipment supporting the D&D electrical rooms will be prioritized.	1	2024
S06054D01	Feeder, LCUS and MCC Replacement - Engineering services to replace two load center unit substations (LCUS), two main distribution panels (MDP), 29 motor control centers (MCC), and 42 feeder cables to MCCs. Some MCCs will be replaced with new MCCs, while others may be replaced with new switchboards where the existing MCCs no longer contain any starters or other motor control equipment, and some may be removed. The LCUSs and MDPs will be replaced in kind. The cables will be replaced with consideration for future loads.	1	2024
S06055D01	Secondary Clarifier Batteries 1,2,3,4 Walkways Rehabilitation - Engineering services for the rehabilitation of north-south concrete walkways that run through the centers of Secondary Clarifier Batteries 1, 2, 3 and 4 (four total walkways) at the South Shore Water Reclamation Facility.	1	2024

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TS-2702	On-Call Levee System Engineering and Accreditation Services - The District is working to achieve FEMA accreditation for Hart Park and Western Milwaukee Levee Systems. The District will use this contract to access engineering services required to meet these needs, such as engineering evaluations, plan development, designs to prepare bid documents, engineering services during construction, and post-construction engineering services.	1	2024
	*All schedules are estimates and subject to change. This list will be updated quarterly.		