

COMMISSION FILE NO: 25-160-12 **DATE INTRODUCED:** December 1, 2025

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract M03122P01, Planning Services, Wet Weather Treatment Feasibility Study

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract M03122P01, Planning Services, Wet Weather Treatment (WWT) Feasibility Study, with Black and Veatch Corporation (B&V) in an amount not to exceed \$448,440. B&V was the highest scoring proposer based on a qualifications-based selection method among three proposals received.

The District's Metropolitan Interceptor Sewer (MIS) system receives and conveys both combined and separate sewage from municipally owned sewers to either the Jones Island or South Shore Water Reclamation Facilities. Combined sewage consists of both wastewater and stormwater runoff, and these flows can increase significantly during wet weather. Separate sanitary sewage includes only wastewater from homes, businesses, and industries, but these flows can still increase significantly during wet weather due to inflow and infiltration of stormwater and groundwater into the sanitary sewer system.

These increased flows are typically managed by wet weather capacity built into the District's water reclamation facilities and conveyance system, and wet weather storage in the Inline Storage System. During more significant wet weather events, however, the capacities of these systems can be exceeded and can result in either combined sewer overflows (CSO's) or separate sewer overflows (SSO's). These overflows result in untreated combined or separate sewage being discharged directly into area rivers, creeks, or Lake Michigan, negatively affecting water quality and increasing public health risks. The District's Wisconsin Pollutant Discharge Elimination System permit issued by the Wisconsin Department of Natural Resources allows up to six CSO's per year but does not permit any SSO's.

ATTACHMENTS: **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒
FISCAL NOTE ☒ **S/W/MBE** ☒ **OTHER** ☐ _____

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract M03122P01, Planning Services, Wet Weather Treatment Feasibility Study

The District's 2035 Vision states, "MMSD envisions a healthier Milwaukee region and a cleaner Lake Michigan accomplished through its leadership in attaining zero overflows...."

The purpose of this project is to evaluate the feasibility of using WWT to reduce CSO's and SSO's during wet weather events, consistent with the District's 2035 Vision. WWT provides supplemental treatment capacity to manage peak wet weather flows either at water reclamation facilities or at conveyance system overflow locations. By treating these peak flows, WWT reduces the impacts of overflows, supports cleaner receiving waters, and advances the District's long-term goals of achieving zero overflows, increasing resilience to climate-driven increases in rainfall intensity, and maintaining compliance with permit requirements and water quality objectives in alignment with the Clean Water Act.

This proposed contract includes engineering planning services to evaluate WWT effectiveness and develop a phased plan for implementing recommended projects.

Under Contract M03122P01, B&V will:

- Perform project management, coordination, scheduling, and quality control throughout the study.
- Coordinate with the District and regulatory agencies to define project requirements.
- Evaluate commercially available WWT technologies.
- Identify and assess viable WWT sites within the conveyance system and water reclamation facilities.
- Interview utilities with successful WWT installations to document lessons learned.
- Develop and rank WWT technology location alternatives.
- Prepare conceptual designs for top ranked WWT alternatives.
- Submit a final report recommending capital projects, lifecycle costs, overflow reduction benefits, and implementation timelines.

The contract duration is 13 months.

RESOLUTION

Contract M03122P01, Planning Services, Wet Weather Treatment Feasibility Study

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract M03122P01, Planning Services, Wet Weather Treatment Feasibility Study, with Black and Veatch Corporation, in an amount not to exceed \$448,440.