

COMMISSION FILE NO: 25-158-12 **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: Approval of Funding Agreement M10005MI13 Under Project M10005, 2025 City of Milwaukee Private Property Infiltration and Inflow Reduction Project

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Funding Agreement M10005MI13 in the amount of \$1,640,000 for work outlined in Work Plan M10005MI13 as submitted by the City of Milwaukee (City) under Project M10005, Private Property Infiltration and Inflow (PPII) Reduction Program. Including Funding Agreement M10005MI13, the City has obligated 68% of the funding available to the City through 2025 in the PPII Program.

Through compliance testing for the Wisconsin Pollutant Discharge Elimination System (WPDES) permit held by the City, up to 75 properties have been identified for full sanitary sewer lateral replacement in five sewersheds throughout the City.

The primary objective of the project is to reduce wet weather sanitary flows by reducing infiltration and inflow from private property sources.

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

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

BACKGROUND

Approval of Funding Agreement M10005MI13 Under Project M10005, 2025 City of Milwaukee Private Property Infiltration and Inflow Reduction Project

As part of the City's WPDES permit requirements under the Wisconsin Department of Natural Resources, stormwater sampling and analysis are conducted annually to identify storm sewersheds with sewage contamination. When contamination is detected at waterway outfalls, additional upstream testing is conducted within the watershed to locate the potential sources. Suspected properties are investigated using smoke and dye testing, and properties that fail both tests receive corrective orders from the City.

Indicators of infiltration into the sanitary sewer system include the presence of two wet weather sanitary bypass pumping stations in the project area, which operate during heavy rainfall events. The area has also experienced 193 basement backups and one sewer overflow over the past decade. In addition, sewage entering the storm sewer system typically indicates either a cross connection or a deteriorated sanitary lateral that also allows clear water into the sanitary system during rain events. The five City sewersheds involved fall within five District metersheds, which vary in their Chapter 3 wet weather compliance status – compliant, noncompliant, or not metered.

The project's primary goal is to reduce infiltration and inflow into the sanitary system. Secondary benefits include improved water quality and 75 homes becoming compliant with City stormwater and sanitary regulations. Owner-occupied single- and two-family properties that fail the smoke and dye testing are offered the opportunity to participate in the PPII Sanitary Lateral Replacement Project at no cost to them. Work will involve full replacement of each sanitary lateral from the public sewer to the first under house connection, using open-cut excavation or pipe bursting, depending on site conditions. Because sanitary laterals and water service lines share a trench, replacement of known lead water service lines (LWSL's) will be included, although this work will not be funded by the District. Homeowners who decline participation may be subject to fines for noncompliance.

The project is scheduled for public bid in March 2025 with construction beginning in May 2026 before all 75 noncompliant homes are identified. The goal is to reduce the time between issuance of correction orders and completion of repairs, keeping property owners engaged in the project. In each of the last two years, more than 80 properties received corrective orders from the City, so the City expects to achieve participation from 75 property owners. As properties receive corrective orders in the spring, packages of five to 10 properties will be released to the contractor for repair. Overall project completion is expected by December 2027.

The District will fund the sanitary lateral work, and the City will fund the LWSL replacement. The total project cost is \$1,743,800; \$1,640,000 is PPII funded, and the rest is funded by the City. Under this Plan, the City has obligated 68% (\$2,090,000/\$3,082,686) of the funding available to the City through 2025 in the PPII Program.

RESOLUTION

Approval of Funding Agreement M10005MI13 Under Project M10005, 2025 City of Milwaukee Private Property Infiltration and Inflow Reduction Project

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized and directed to execute on behalf of the District Funding Agreement M10005MI13 in the amount of \$1,640,000 for work outlined in Work Plan M10005MI13 as submitted by the City of Milwaukee under Project M10005, Private Property Infiltration and Inflow Reduction Program.