



## STAFF REPORT

### Regular City Commission Meeting

March 28, 2024

**To:** Elected Officials

**From:** Dale L. Martin, City Manager

**Date:** March 28, 2024

**Item Name:** Resolution 2024-21 a resolution by the City of Flagler Beach, Florida, approving a proposal from McKim & Creed, Inc. for Engineering & Field Assessment Services, Wastewater Collection System Investigation related to Consent Order 23-0409 "In-kind" Project in an amount not to exceed \$50,000, providing for conflict and effective date.

**Background:** The City of Flagler Beach, to resolve Case Number 23-0409 (Department of Environmental Protection v City of Flagler Beach), agreed to a Consent Order, effective December 22, 2023. Under the provisions of Section 14 of said Consent Order, the City submitted its intent to submit an "In-Kind Penalty Project" (minimum cost: \$25,125) in a timely manner to the Department of Environmental Protection (DEP). DEP staff accepted the City's request to submit such a project, and a proposed project was submitted to DEP staff on February 20, 2024.

The proposed project seeks to validate the City's previous efforts to reduce inflow and infiltration into the City's sanitary sewer system. Inflow and infiltration (commonly referred to as "I & I") is surface and ground water that enters the otherwise "closed" wastewater system. This water is mostly clean and does not require treatment, but because it enters the system, it nonetheless goes through the treatment process, significantly increasing the cost of treating wastewater. The amounts of I & I in the City's system is what, in part, contributed to the issues that resulted in the Consent Order.

The City has completed three phases of "slip lining:" a technique of re-lining the inside of existing pipes. If successfully implemented, the I & I flows should be reduced. If that can be validated, slip lining additional sections of City infrastructure can be planned; if not validated, other options to reduce I & I must be considered. The penalty project proposes to use flow testing to measure the water flows in areas that have been slip lined and compare that flow data to pre-slip lining data.

McKim & Creed staff have prepared the attached proposal for the penalty project. Upon review, DEP staff has accepted the project as an appropriate "In-Kind Penalty Project."

**Fiscal Impact:** The cost of the penalty project is \$50,000 and will be funded through the Utility Fund, Sewer Collection Department, Line 401.5352.909306 (Reserve for Sewer Infrastructure).

**Staff Recommendation:** Staff recommends approval of proposed Resolution 2024-21

**Attachments:** Consent Order 23-0409 (portion)  
Correspondence, D. Martin to A. Maturi (January 3, 2024)  
Correspondence, D. Martin to A. Maturi (February 19, 2024)  
Proposed Resolution 2024-21