

INFORMATION PAPER

Public Utilities Department
December 27, 2022

SUBJECT: Water & Sewer Capital Improvement Plan

1. Purpose: To provide a high level overview of the City of Joliet's Water & Sewer Capital Improvement Plan

2. Facts:

- a. The City of Joliet is the largest entity in the State of Illinois that provides all four key water and wastewater services: wastewater collection, wastewater treatment, water treatment and water distribution.
- b. The wastewater system consists of three wastewater treatment plants and 600 miles of sewer main. The water system consists of 26 wells, 11 water treatment plants and 670 miles of water main.
- c. The water distribution and sewer collection systems are aged and minimal rehabilitation work was completed prior to 2017. A deteriorated water system results in frequent water main breaks and water loss. A deteriorated sewer system results in excess water entering the system and structural failures both of which can result in basement back-ups.
- d. Beginning in 2017 the City initiated five year rehabilitation programs for both systems with a goal of replacing 1% of the systems annually. These programs have been funded with low interest loans from the State Revolving Fund. More information on these programs is available on the City's website <https://www.joliet.gov/government/departments/public-utilities/construction-zone>.
- e. The City's capital plan includes continued funding of water and sewer rehabilitation. Most notably, all water mains constructed prior to 1970 will be replaced by 2030.
- f. In addition to improvements of the collection and distribution system, the City's wastewater treatment plants will need to be expanded to provide capacity for growth and future developments. A \$75 million expansion of the Westside Wastewater Treatment Plant is planned for in the next 5 years. It is anticipated this project will be funded with a low interest loan from the State Revolving Fund.

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Submitted To: Jim Capparelli, 12/27/22

Enclosures:

None