

INFORMATION PAPER

Public Utilities Department
December 27, 2022

SUBJECT: Combined Sewer Overflow Reduction Program

1. Purpose: To provide a high level overview of the City of Joliet's Combined Sewer Overflow Reduction Program.

2. Facts:

- a. A portion of the City's sewer system is a combined sewer system meaning that storm and sanitary flow into one sewer system. This type of construction was typical in the late 1800s and early 1900s.
- b. During rain events, the flow in the combined sewer can exceed the pipe capacity resulting in combined sewage discharging to the DesPlaines River via a combined sewer outfall. The City has removed 28 CSO outfalls since the 1980s and has 6 remaining, permitted CSO outfalls.
- c. The City's Eastside Wastewater Treatment Plant National Pollution Discharge Elimination System permit requires the City to implement a Long Term Control Plan by December 31, 2024 that reduces the number of combined sewage discharges to no more than 20 over the permit timeframe of 5 years.
- d. The Long Term Control Plan consisted of five phases of which three have been completed (see Exhibit A). The total cost of the Long Term Control Plan implementation is estimated to be \$82.5 million. Phase IV is estimated to cost \$10 million and will be implemented over the next two years with construction being complete by December 31, 2024. Through additional modeling completed in 2021 it was determined that Phase V is no longer necessary in order to meet permit conditions.
- e. The City is using low interest loans from the State Revolving Fund to pay for engineering and construction related to the Long Term Control Plan implementation.
- f. Failure to implement the Long Term Control Plan to reduce Combined Sewer Overflows would be a violation of the City's permit and result ultimately in fines being assessed to the City.
- g. More information on this program is available on the City's website at <https://www.joliet.gov/government/departments/public-utilities/combined-sewer-overflow>.

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Submitted To: Jim Capparelli, 12/27/22

Enclosures:
Exhibit A, Long Term Control Plan

Exhibit A
Long Term Control Plan

