



Council Committee Memorandum

TO: Joint Council Committee
THROUGH: Tim Murray, City Administrator
FROM: Travis Block, Public Works Director
MEETING DATE: March 19, 2019
SUBJECT: Medford Sanitary Sewer Connection Update

Discussion:

The potential for the City of Medford connecting to the City's sanitary sewer system was previously discussed at the February 20 and July 31, 2018 Committee meetings. In December of 2018, the City of Medford completed a regionalization report to further explore the options of building a new facility or connecting to either Faribault or Owatonna's system. The regionalization report updated the 20-year projected flows and loadings for the community to include a couple of near term development prospects that Medford is working with.

Medford's current average flow is 86,000 gallons per day (GPD). Their average wet weather flow is 124,000 GPD. The previous twenty-year average flow prediction was 187,000 GPD, the new flow is 250,000 GPD. Medford staff believes that their flows will reach the 190,000 GPD range in approximately ten years and reach 250,000 GPD in twenty years.

The City of Medford is proceeding with an engineering analysis to connect to Faribault's sanitary system. Should a connection occur, it would likely be on Albers Ave. (Willow St.) near Divine Mercy Church. The Minnesota Pollution Control Agency (MPCA) has indicated that transferring Medford's phosphorus load allocation to the City is possible.

The City's Water Reclamation Facility (WRF) treats approximately 4.5 million gallons per day (MGD) with a peak flow of 5.1 MGD. The plant has a wet weather flow capacity of 7 MGD.

Medford's twenty-year flow of 250,000 GPD is approximately 16% of the WRF's available capacity. The discharge is a medium strength waste, typical of domestic wastewater. As a comparison, Roberds Lake's discharge of 28,532 GPD is 0.4% of plant capacity.

The plant currently has the capacity to treat Medford's discharge. However, adding Medford's flow along with the potential flow from the Wolf Creek Project (111,000 GPD) would consume approximately 19% of the plants available capacity in ten years and 25% in twenty years.

A facility plan is scheduled for 2022 to examine the WRF's treatment performance and identify future improvements necessary to meet demand and maintain permit compliance. A user agreement similar to that currently in place with Roberds Lake Sanitary District would be executed should a connection be allowed.

Staff is looking for the Council's level of interest in allowing Medford to make a connection.

Attachments:

- None