

# Memo

**To:** City Council  
**From:** Amy E. Gilson, P.E., Director of Public Works  
**Date:** January 19, 2018  
**Re:** Water Meters

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A question was raised at the council meeting of January 8, 2017 regarding the number of water meters in the system and their replacement. Having recently completed our Water Asset Management Plan as required by the MDEQ, I can offer you the following information:

Currently there are 3725 meters in the system that are 1" or less. Those include both residential consumption meters and sprinkler meters. We also maintain over 100 meters that range in size from 1-1/2" to 6".

In the late 1990's the City initiated a program that replaced all of the water meters in the system. The industry standard for useful life of a water meter has been 20 years. However, more recent and comprehensive data indicates that the number is closer to 8.2 years.

The City constantly replaces meters as necessary due to malfunction, freezing, or other issues. Additionally, varying amount of residents per year add a sprinkler meter to their home and new meters are required for new construction. Depending on the year, there may be 100-200 meters replaced or added to the system. It is an ongoing process that will continue until the next wholesale change out of meters which is currently estimated to be \$485,000.

If you have any further questions, please let me know.