



CITY OF CONCORD

REPORT TO MAYOR AND THE CITY COUNCIL

FROM: Earle M. Chesley, P.E., General Services Director

DATE: June 30, 2016

SUBJECT: NH Department of Environmental Services (DES) Leak Detection Grant

Recommendation

Accept this report relative to the merits of the New Hampshire DES Free Leak Detection Grant. Authorize the City Manager to apply for a free leak detection grant from NH DES.

Background

In June 2016, the NH DES Water Conservation Program solicited all public water systems to apply for free leak detection surveys. Their goal was to provide municipality's expertise and staff support to proactively find leaks before disasters occur and reduce non-revenue water losses. The City of Concord plans to submit three areas in Concord that would benefit from a thorough survey.

Discussion

The NH DES Free Leak Detection Survey is a resource that will allow over a quarter of the City's miles of water main to be thoroughly and professionally monitored for leaks using the latest digital technology. Three areas in particular will be covered; Northern Penacook, the Auburn Street Tank Extra High Service (EHS) area and the Manchester Street /Airport Road /Old Turnpike Road business triangle

Results from the free leak detection surveys will be reported to the NH DES Water Conservation Program to track water conservation efforts throughout the State. This data will also help the City of Concord with the annual water audit and on-going leak detection program. The contractor chosen by NH DES will also become a resource for Concord and possibly will assist water conservation efforts in the future.

NH DES Leak Detection Survey

The following are criteria for the leak detection:

- The water system shall provide the assistance of a Certified Operator, as needed by the leak detection firm, to ensure successful implementation of the survey.
- The water system shall locate and paint all main line valves prior to the leak detection survey.
- The water system shall locate curb stops, as needed by the leak detection firm, to ensure successful implementation of the survey.
- Following receipt of the final report from the leak detection firm, the water system shall prepare a response plan to address all leaks identified during the survey.