

where people matter

City of Loganville

Public Utilities
Brandon Phillips
Director

P.O. Box 39
Loganville, GA 30052

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Staff Report Department of Public Utilities

To: Honorable Mayor Baliles and Members of the City Council

Through: Danny Roberts, City Manager

From: Brandon Phillips, Director of Utilities

Date: February 9, 2023

Subject: Leak Detection

RECOMMENDATION:

Staff recommends the City Council approve RYE Engineering to perform acoustic leak detection on our Water Distribution System.

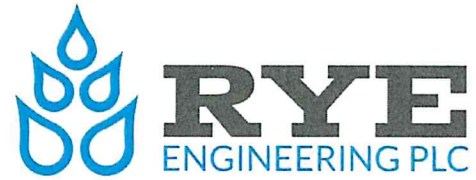
FISCAL IMPLICATION:

The Department of Utilities is requesting these services from RYE Engineering to pinpoint water leaks that haven't reached the surface. Water loss from these unknown leaks results in non-revenue water for the City. The total costs to perform a leak detection survey on 100% of the water distribution system totals \$39,975.00. The city will be billed every quarter as work is completed. (See attached proposal)

BACKGROUND:

The City has only been required to perform leak detection on 20% of the water system each year. Due to the amount of water loss we have experienced, we are requesting that City Council allow us to inspect a 100% of our system to identify these leaks so staff can make the necessary repairs in a timely manner. The State requires us to not only report our losses each year on our water audit, but also requires the City to show what steps are being made to rectify the water loss issue.

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 lgordon@ryeengineering.com
 www.ryeengineering.com



Estimate

ADDRESS

Mike Morrell
 City of Loganville
 P.O. Box 39
 Loganville, GA 30052

SHIP TO

Mike Morrell
 City of Loganville
 P.O. Box 39
 Loganville, GA 30052

ESTIMATE # 1803

DATE 01/11/2023

DESCRIPTION	SKU	QTY	RATE	AMOUNT
1st quarter - Acoustic Leak Detection Survey of approx. 25% of the City of Loganville's approx. 88 miles of water distribution mains: to be performed with electronic acoustic listening devices. All available water services, hydrants, blow-offs, and selected valves to be contacted as required. Owner to mark all meters and provide personnel to guide technicians through the system and locate mains as needed, and provide a system map prior to the start of the survey. Rye will provide daily field sheets after survey work is completed, and a written report to be provided to Owner within 30 days following the completion of the survey. Owner will be notified immediately if any major leaks are detected. (Per mile rate)		22	450.00	9,900.00
2nd quarter - Acoustic Leak Detection Survey of approx. 25% of the City of Loganville's approx. 88 miles of water distribution mains. (Per mile rate)		22	450.00	9,900.00
3rd quarter - Acoustic Leak Detection Survey of approx. 25% of the City of Loganville's approx. 88 miles of water distribution mains. (Per mile rate)		22	450.00	9,900.00
4th quarter - Acoustic Leak Detection Survey of approx. 25% of the City of Loganville's approx. 88 miles of water distribution mains. (Per mile rate)		22	450.00	9,900.00
Leak Pinpointing: For leaks localized during acoustic leak survey, that are difficult to pinpoint with standard accoustic survey tools, and that require additional time to locate, pinpointing shall be accomplished with the use of an electronic ground microphone attachment, Tri-Corr real-time correlator, or other specialized pinpointing equipment. Other pinpointing methods such as ground probing and auxiliary work shall be included. All pinpointing work is in addition to basic acoustic survey work and is charged on an hourly basis, if and as needed. (Per hour rate)		1	375.00	375.00

SUBTOTAL	39,975.00
TAX	0.00
TOTAL	\$39,975.00

Accepted By

Accepted Date