

	<div data-bbox="1235 218 1474 457"> <p><b>District Impacted</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 = Anzollitto</li> <li><input type="checkbox"/> 2 = Woolard</li> <li><input type="checkbox"/> 3 = Boyd</li> <li><input type="checkbox"/> 4 = Cisneros</li> <li><input type="checkbox"/> 5 = Colvin</li> <li><input checked="" type="checkbox"/> All</li> </ul> </div> <p style="text-align: center;"><b>AGENDA ITEM SUMMARY</b></p>
<b>AGENDA DATE</b>	<i>January 23, 2018</i>
<b>DESCRIPTION</b>	CONSIDER RESOLUTION NO. 2018-R05; A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO AND MANAGE AN AGREEMENT WITH SAMCO LEAK DETECTION FOR WATER DISTRIBUTION SYSTEM LEAK DETECTION SERVICES.
<b>STAFF'S RECOMMENDED ACTION (be specific)</b>	Approve Resolution No. 2018-R05; Authorizing the City Manager to contract with SAMCO Leak Detection to perform a leak survey on approximately one-half of the City's water distribution system not to exceed \$36,127.00.
<b>CONTACT PERSON</b>	Michael G. Mann – Public Works Director
<b>SUMMARY</b>	<p>Approximately 10-12 years ago, our records demonstrated that we had a significant increase in unaccounted for water loss from the system (difference between production and cumulative metered usage volume). We hired SAMCO Leak Detection at that time to conduct an audit of our system. The work done by SAMCO using specialized listening equipment found a significant leak along Main Street near the Cibolo Creek. The leakage from the system was apparently discharging below the water line of the creek and was not visible as an identifiable flow at the surface.</p> <p>The City subsequently purchased and began using similar leak detection on a routine basis. That equipment has been very effective in pinpointing the location of leaks under sidewalks, pavement, drainage structure, etc. However, our equipment and expertise in using it is not sufficient to perform a widespread audit of the system.</p> <p>Our records over the last year indicate that our unaccounted for water numbers are increasing again. Due to equipment and staffing limitations, we have not been able to perform a reliable leak detection audit. Therefore, we requested a price quote from SAMCO to again perform a comprehensive study on our system to verify whether or not there might be another significant "hidden" leak. Our system has grown significantly since the last study, and the cost to study the entire system was prohibitive in the current fiscal year budget. Therefore, we asked SAMCO to give us a proposal for studying approximately half of our system this year, with the intent that we would request budget funding for the other half of the system next fiscal year. The portion of the system that we recommend studying immediately consist of older metallic lines in the older part</p>

	<p>of the system (dating back to the 1920's to 1970's) where we more frequently experienced pipeline damage due to weather changes and construction specifications that were in use that the time.</p> <p>SAMCO's proposed cost for the leak detection audit of the older half of our system is \$36,127.00. Funding for this work is not specifically allocated in the current budget, and the cost (combined with other necessary work) will likely exceed our allocated routine maintenance budget. Therefore, some expenditure out of fund balance monies will likely be required to do the work this year. Nevertheless, the work may pay for itself in terms of decreased production costs versus billings revenue if a leak is found.</p> <p>The proposed work scope includes the portion of the system along Main Street through the downtown area. TxDOT has advised that they will be re-paving Main Street within the next couple of years. So, it will be beneficial for us to verify that there are no identifiable smaller leaks in pipelines beneath the pavement prior to that work.</p> <p>Staff recommends that the Council authorize the City Manager to execute the contract with SAMCO Leak Detection to perform the above-described work.</p>
<b>COST</b>	\$36,127.00
<b>SOURCE OF FUNDS</b>	Water Utility Operating Fund/Fund Balance
<b>ADDITIONAL INFORMATION</b>	

This summary is not meant to be all inclusive. Supporting documentation is attached.