

 <p>CITY OF ST. CHARLES ILLINOIS • 1834</p>	AGENDA ITEM EXECUTIVE SUMMARY		Agenda Item number: *5.H
	Title:	Recommendation to Approve a Resolution Authorizing an Agreement for Wastewater Force Main Pigging	
	Presenter:	Tim Wilson	
Meeting: Government Services Committee		Date: November 26, 2023	
Proposed Cost: \$ 80,000		Budgeted Amount: \$90,000	Not Budgeted: <input type="checkbox"/>
TIF District: None			
Executive Summary (if not budgeted, please explain):			
<p>The City of St Charles wastewater collection system has 14 sanitary sewer lift stations. Lift stations are pump stations and the associated force main that transport wastewater from a lower elevation to a higher elevation. A force main is a pipeline that is under pressure, similar to a water main. Historically in St Charles, force mains are made of iron pipes ranging in size of 4” to 24”. These force main range in length from several hundred feet to miles. A force main needs to be cleaned every 5 – 10 years to remove build up and help the pumps performance.</p> <p>The traditional method of pipe jetting is not an economical way to clean a force main system. In addition, site conditions prevent us from accessing several force mains with traditional jetter equipment. Pipe pigging is the standard process to clean sanitary sewer force mains. Pipe pigging utilizes a poly pig that looks like a rubber bullet. This pig is pushed by water or pulled by a string. As the pig travels the length of the pipe line it removes sediment, buildup and grease. Typically, several pig passes are made on each force main to obtain clean lines. This technology is also used in the oil and gas industries. Other options included in a typical pigging service is the use of ice, or a smart pig that can measure pipe thicknesses.</p> <p>Over the last several years the City has been unsuccessful in finding a firm that has experience in completing this pigging work. On October 2, 2023 the City advertised an RFI for Pigging Services. The City only received one complete submittal. City staff evaluated the RFI submittal and the firm’s references. American Pipeline Solution (APS) is located in New Jersey but has completed this type of work nationwide, including several local wastewater and water utilities.</p> <p>This type of work is lump sum. Staff recommendation is to award two main line segments to APS that will be completed before the end of the fiscal year. Based on performance and budget, staff will recommend awarding a second-year contract to APS for the 2023-2024 fiscal year.</p>			
Attachments (please list):			
None			
Recommendation/Suggested Action (briefly explain):			
Recommendation to Approve a Resolution Authorizing a Service Agreement to American Pipe line Solution in the amount of \$80,000 for work to be complete prior to May 1 st . Based on 2023-2024 budget approval and performance award an optional second year contact for the approved budget amount.			