Sole Source Procurement Instructions

Department: Harrisonburg Public Utilities	Date : 04-19-24
Vendor: ASTERRA	
Product/Service: Remote sensing water leak surveying	
It is the policy of the City of Harrisonburg that contracts/products be awarded on a competitive basis and that the use of a sole source procurement must be limited to those instances where only one source is practicably available. Per Virginia Code 2.2-4303 and 2.2-4360, the sole source document must be posted online for a minimum of ten (10) days before purchasing the product/service.	
 Explain why this is the only product or service that can purchase. 	meet the needs ofthe department making the
The Public Utilities Department is seeking remote to identify possible water leaks in the water distribution accurate leak detection analysis to more precisely methods. Deliverables from ASTERRA will provide pipe network to prioritize leak listening efforts.	Ition system. ASTERRA provides highly locate potential leaks than HPU's current
2. Explain why this vendor is the only practicably available source from which to obtain this product or service.	
ASTERRA developed a unique and patented algorithm for le wastewater collection networks. ASTERRA uses spectral ae using the L band microwave wavelength, to spot leakage in some Drinking water and wastewater is detected by looking for the and wastewater. Competition is precluded by the existence of patented US 9285475 Mar, 15 2016 SYSTEM AND METHO assigned to ASTERRA. ASTERRA is 100% owned subsidiar	rial imaging, taken from a satellite mounted sensor, subterranean drinking water and wastewater networks. particular spectral signature typical to drinking water of patent: ASTERRA' algorithm and process are D OF UNDERGROUND WATER DETECTION
Explain why the price is considered reasonable.	
HPU evaluated the cost of typical leak detection te the services will offset labor cost and provide direct the entire distribution system for leaks and prioritiz efficient approach than current annual listening me each year.	tion and accuracy in finding leaks. Surveying ing areas for investigation will provide a more
4. Describe the efforts that were made to conduct a noncompetitive negotiation to get the best possible price for the taxpayers.	
The Public Utilities Engineering staff met with the ASTERRA salesman who then provided a proposal that offered differing levels of service that specifically tailored to Harrisonburg's pipe network and desired products and services they offered. The proposal itemized quantities and prices to compare value and cost.	
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Please attach this form to the Requisition and forward to Purchasing.

Signature: $\int_{a}^{b} \int_{a}^{b} \int_{$