

**NORTH LAS VEGAS CITY COUNCIL
AGENDA ITEM**

NUMBER: 25.

SUBJECT: Approve Utilities Department Advanced Metering Infrastructure Installation Service Agreement with Thirkettle Corporation, DBA, Aqua Metrics to Install 100 Smart Meters And Sensors in a Total Amount Not to Exceed \$72,282.21.	
REQUESTED BY: Randall DeVaul, Director, Utilities	WARD: Citywide
RECOMMENDATION OR RECOMMEND MOTION: That the City Council approve the Utilities Department Advanced Metering Infrastructure Installation Service Agreement with Thirkettle Corporation, dba, Aqua Metrics to install 100 smart meters and sensors in an amount not to exceed \$72,282.21.	
FISCAL IMPACT: AMOUNT: \$72,282.21 EXPLANATION: Utilities Enterprise Fund	ACCOUNT NUMBER: 610-600322-430631

STAFF COMMENTS AND BACKGROUND INFORMATION:

The Utilities Department implemented an automated water meter reading program in the year 2003, where meters were equipped with a battery charged register that sends meter readings to a specially equipped truck that drives in close proximity to the meter. Batteries have a life cycle of ten years. We are currently replacing approximately 6,000 batteries and registers per year and this number is increasing over time. Since we have to replace batteries and registers regardless, it is in the best interest of the Department to upgrade technology to an *automated metering infrastructure (AMI)* program that will eliminate the need for a drive by to obtain readings, permit the customer access to real time data on their water use and billing, increase water revenues by replacing old meters and encourage water conservation.

We received 11 proposals from interested parties on March 21, 2017 to install the AMI system and

CIP No.	Related Item: No	
LIST CITY COUNCIL GOAL(S): Well - Planned Quality Growth; Safe and Livable Community; Quality Municipal Services		
PREPARED BY: Randall DeVaul Utilities Director	Respectfully Submitted Qiong X. Liu City Manager	CITY COUNCIL MEETING DATE: 12/6/2017

narrowed down the selection of vendors to two. Before investing in a large, expensive project, we propose to develop a pilot program using the fixed radio network system. The pilot program will include one receiver and 100 meters. The pilot program is to confirm the transmitter units can fit into the smaller meter boxes in the mature area of the City and to determine what type of meter box lid needs to be installed. The pilot program will help us make the final determination of the smart water meter vendor.

The agreement is to install 100 smart meters and sensors at various locations throughout the City that will securely transmit and receive usage data to help proactively manage City water systems and improve operations. The proposed agreement is for \$62,282.21. An additional \$10,000 is authorized for any supplemental services needed. Therefore, the overall amount not to exceed value of this agreement is \$72,282.21. The agreement does not include renewal options. This is exempt from competitive bidding per NRS 332.115.1 (g), (h) and (q), computer software, hardware and communication systems.

It is staff's recommendation that City Council approve the Utilities Department Advanced Metering Infrastructure Installation Service Agreement With Thirkettle Corporation, dba, Aqua Metrics to install 100 smart meters and sensors in an amount not to exceed \$72,282.21.