



City of Elko Clerks Department
1755 College Avenue
Elko, NV 89801
(775) 777-7210
FAX (775) 777-7129

ADDENDUM NUMBER ONE

PROJECT: City of Elko, Water Modernization Project

BIDDERS CONFERENCE MEETING NOTES

Please confirm receipt of ADDENDUM NUMBER ONE AND RETURN

See Attached

Dated this 14th day of May, 2024.

Elko City Clerk

Addendum Receipt: _____
Signature

Company: _____

RETURN THIS FORM cityclerk@elkocitynv.gov
OR SEND VIA FAX TO (775) 777-7129.
THANK YOU.

*** PLEASE NOTE RECEIPT OF ADDENDUM NUMBER ONE ON
APPLICABLE LINE ON BID PROPOSAL ***



CITY OF ELKO
Bidders Conference - Agenda
Water Modernization Project
Date: Wednesday May 10, 2024
at 10:00 am. Water / Sewer Dept.
1550 STP Rd. Elko NV 89801

Join Zoom Meeting

<https://us06web.zoom.us/j/86891050554?pwd=ePvTw5h9zEyOU9DalvYzrjH3mWRPbM.1>

Meeting ID: 868 9105 0554

Passcode: 638258

One tap mobile

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+13052241968,,86891050554#,,,,*638258# US

Meeting ID: 868 9105 0554

Passcode: 638258

Welcome & Introductions:

City Staff:

Dale Johnson, Utilities Director	(c) 775-388-3384 djohnson@elkocitynv.gov .
Shelley Petersen, Admin. Assistant	(c) 775-777-7210 spetersen1@elkocitynv.gov .
Jim Kerr, Superintendent Water Dept.	(c) 775-777-7210 jkerr@elkocitynv.gov .
Andrew Storla, Assistant Super. Water Dept.	(o) 775-777-0573 astorla@elkocitynv.gov .
Clerk's Office –Annette Robinson	(o) 775-777-7138 cityclerk@elkocitynv.gov

Project Consultant:

David Shpigler	(o) 404-600-5480 shpigler@shpigler.com .
Shpigler Group, Atlanta GA	

Project Description/Overview & RFP Goals: (David Shpigler)

Automation approaches enable the building of the utility of the 21st century. It involves “smart” systems to measure consumption at different times of the day, new communications networks to send data to and from utilities, and new database systems to manage and use the valuable new data which advanced systems generate. It may also involve new “smart” systems that can respond to signals automatically to turn themselves on or off, up or down. These initiatives have become reality due to the advancements in communications technologies, coupled with the reduction in the cost of communication components. Adherence to widely adopted industry standards for communication interfaces creates the possibility of an open architecture. Specifically, the inclusion of Ethernet interfaces in devices deployed across the utility network can facilitate diverse, redundant access to infrastructure devices. Like many other utilities, the city of Elko is seeking to develop an AMI system across the entire service territory to (a) enable the metering of all meters and to eventually eliminate flat rates, and (b) serve as the basis for system modernization. Overall, there are three specific use cases that Elko has interest.

Advanced Metering System that includes all meters and infrastructure needed for over 9,000 service points. Fewer than 17% of all Elko customers are currently metered; over 83% are currently served on an unmetered, flat rate. An AMI system offers the potential to eventually eliminate flat rates and serve as the foundation for moving to a fully metered service territory. The components of a successful AMI deployment include a robust communications channel, some type of data management platform, and bidirectional, interval capable meters (and collectors, if applicable). In addition, the advanced meters deployed across the distribution network also function as network health monitors by reporting back distribution conditions. As a result, the AMI meters serve as the platform devices for the entire system modernization effort.

Leak Detection that would detect leaks in the Elko water distribution system. A system-oriented leak detection program utilizes technology to reduce system leaks across the Elko distribution system. There exists an interest in identifying approaches to locate sources of system leaks – currently estimated at 102 gallons lost per connection per day – by utilizing acoustic leak sensors or through other methods. It is anticipated that AMI meter data may be used in any leak detection program. In addition, there is an interest in seeing how the system may be used to reduce leaks occurring on the customer side. By enabling the usage of detailed meter data alongside process and policy changes, there exists the opportunity to reduce the amount of customer leaks and potentially reduce the need to issue adjustments/credits.

Water Quality Monitoring that would monitor the distribution system for contamination incidents and aid in optimizing system water quality. The Elko water distribution system includes infrastructure needed to convey treated water to service connections throughout its service area. There exists an interest in developing an online water quality monitoring system to deploy resources to enable online water quality instruments for real-time measurement of water quality across the distribution system. The purpose is to more efficiently manage distribution system operations by detecting changes in water quality as they occur, facilitating a timely and effective response for two desired effects: (a) to maintain and/or improve the overall quality of drinking water for customers, and (b) to improve water quality to improve the life of assets across the distribution system. As such, there are two primary design goals:

- Monitor for Contamination Incidents – The presence of a contaminant in a drinking water distribution system has the potential to cause harm to the community and utility infrastructure. Contamination incidents may be unintentional (e.g. treatment process failure and contaminant pass through, backflow incidents) or intentional (e.g. purposeful contamination of a storage tank). The goal of this program is to gather information that can be used to detect contamination incidents, enabling Elko to isolate affected areas of its system and implement corrective actions, as needed.
- Optimize Distribution System Water Quality – Optimization of distribution system water quality involves operating a treatment plant and distribution system in a manner that meets selected water quality objectives. To achieve this design goal, Elko is seeking to support water quality goals such as chlorine residual management and corrosion control and prevent water quality problems such as nitrification, regrowth, and disinfection byproduct formation.

System Level Architecture

The water distribution system features 182 miles of water mains, delivering service to over 9,000 metered connections:

Metered connections (Consider this as Phase 1)

- Residential = 1,161
- Commercial = 376

Unmetered connections with existing pits (Consider as Phase 2)

- Residential = 2,804
- Commercial = 160

Unmetered connections with no pits

- Residential = 4,206
- Commercial = 347

Annual sales are in excess of 2.2 billion gallons, providing annual revenues of over \$4 million. Below is a map of the overall system:

Water Department Goals: (Dale Johnson)

The underlying purpose of the deployment phase is to enable the selected vendor(s) to prove that the products/equipment will deliver the expected results. In addition, it allows Elko to test the necessary interfaces with other systems, and to design, develop and test the future state business processes prior to full deployment. The plan calls for a three-phase deployment plan:

Phase 1 - Existing Meter Replacement	
Start Date	Jan 2025
Months to Deploy	6
Phase 2 - Existing Pits	
Start Date	Jul 2025
Months to Deploy	12
Phase 3 - Pit Construction Required	
Start Date	Jul 2026
Months to Deploy	24

Discussion of use cases (David Shpigler)

Procurement Process / Project BID Information (Dale Johnson & COE Team)

- The complete set of Contract /Bid Documents can be downloaded or obtained from the Elko City Clerk's website at:
https://elkocitynv.gov/government/bidding_opportunities/index.php.
in addition to the following:
 - Invitation to Bid
 - Customer listing
 - Water Tank / Towers & Heights

o CAD / Water Data Files

- All bidders must register with the Elko City Clerk via email or phone at cityclerk@elkocitynv.gov or call City Clerk's Office at (775) 777-7126.
- Bid proposals are due on **June 12, 2024 at 2:00 PM at Elko City Hall, 1751 College Avenue, Elko, NV 89801.**
- **All documentation will be available when requested by the City Clerk.**
- All bids must be submitted in a sealed envelope and legibly marked **City of Elko Water System Modernization Project**. One copy of the bid proposal is required. City staff will thoroughly review all bids for conformance with the Bid Documents prior to making a written recommendation for award to the Elko City Council.
- If the estimated annual amount required to perform the contract is more than \$50,000 but not more than \$100,000, the award will be made on the basis of price, taking into account the following minimum requirements of the bidder and methods for awarding the contract.

If the estimated annual amount required to perform the contract is more than \$100,000, the award will be made to the lowest responsive and responsible bidder. The lowest responsive and responsible bidder will be judged on the basis of:

- (a) Price;
- (b) Conformance to the Bid Documents (including Contract Specifications);
- (c) Qualifications of the bidder, including, without limitation:
 - (1) The possession of or limit on any required license of the bidder;
 - (2) The financial responsibility of the bidder;
 - (3) The experience of the bidder; and
 - (4) The ability of the bidder to perform the contract;
- (d) Adequacy of the equipment of the bidder;
- (e) Past performance;
- (f) Performance schedule or delivery date;
- (g) If the contract requires the delivery of goods, the total cost of ownership of the goods;
- (h) If the contract requires the delivery of goods, the purpose for which the goods to be supplied are required;
- (i) Conformance to applicable Federal and state requirements (including 2 CFR Part 200);
- (j) The best interests of the public; and
- (k) The following other criteria set forth by the City Council or its authorized representative:

Estimated time line wrap up:

- 6/13/24-6/20/24 Bid proposals will be reviewed.
- 6/24/24 Invitations for interviews will be submitted to qualified bidders.
- 7/19/24 Final determination will be recommended for award.
- 8/13/24 City Council Award

Q&A

- Attendees in the room
- Zoom callers

- Open question period will remain until May 31, 2024 by 3:00 pm (local PT) and are to be submitted to the Elko City Clerk's office. Answers will be published in the form of an Addendum after the close of questions.

Additional Comments & Discussion:

- All attendees or interested parties must register with the City Clerk's office.
- This portion of the project is considered Phase 1, installation of meters is not required at this stage.

Q. Please verify the meter sizes

A. $\frac{3}{4}$ ", 1", 1 $\frac{1}{2}$ ", 2" all $\frac{3}{4}$ " City meters are – 5/8 " X $\frac{3}{4}$ "

Q. Do the shape files include the distribution pipe sizes?

A. Yes.

Q. In regards to the Water Quality Monitoring portion of the bid, is the City looking for some specific testing?

A. The City is interested in the standard panels regarding the Water Quality Testing.

Q. Is BABA a requirement of this project?

A. 2 CFR § 200.322 Domestic preferences for procurements.

(a) As appropriate and to the extent consistent with law, the non-Federal entity should, to the greatest extent practicable under a Federal award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all sub-awards including all contracts and purchase orders for work or products under this award.

(b) For purposes of this section:

(1) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

(2) "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; +glass, including optical fiber; and lumber.

Q. Is a bid bond required on bid day? What type of bond is required? Performance bond or Payment bond?

A. Conformance to CFR for facilities is required. **CFR 200.326.**

a. Bidders are hereby notified that, pursuant to 2 CFR § 200.326, for construction or facility improvement contracts or subcontracts exceeding the Simplified Acquisition Threshold, the Federal awarding agency or pass-through entity may accept the bonding policy and requirements of the non-Federal entity provided that the Federal awarding agency or pass-through entity has made a determination that the Federal interest is adequately protected. If such a determination has not been made, the minimum requirements must be as follows:

(1) A bid guarantee from each bidder equivalent to five percent of the bid price. The "bid guarantee" must consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.

(2) A performance bond on the part of the contractor for 100 percent of the contract price. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the contractor's requirements under such contract.

(3) A payment bond on the part of the contractor for 100 percent of the contract price. A "payment bond" is one executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract.

Q. Is there a preference in meter type? Mechanical vs. Ultrasonic?

A. The City of Elko's main goal and priority is to update the current system with new modern technology. The City would prefer polymer vs. bronze as bronze tends to break, and polymer has flexibility in freezing weather conditions. Ultra sonic would be the preferred type of meter.

Q. Are bolts and other hardware to be included in the estimates?

A. Yes, those items should be included.

Q. Can we determine what pits are currently existing?

A. Phase III would be the time to determine the majority of single pits, and other pits. Single pits would be required over dual pits. Pits are not part of this project.

- Q. Will there be a bid schedule?
A. The City seeks quotes for the entire system. Once we select a vendor, we will negotiate terms thereafter. Once we select a vendor for this portion of the project a bid schedule can be created. Bidders can use their own schedule.
- Q. Is there an option to update any/some current existing meters? If so could a discount be considered in those cases?
A. Yes, the City will consider retrofits or like options. This will be addressed after the close of questions. If you want to offer different / multiple options, share pricing for each option. We are open to receiving multiple options within a given proposal.
- Q. What other infrastructure exist within the City other than the Water Tanks and Tower?
A. Street Lights are to be considered, we will provide a shape file if it is available.
- Q. Would the City be interested in a Customer portal?
A. Yes, the City would be interested in a customer portal. If your company offers this, please share this option.
- Q. Would the City consider meter data monitoring?
A. Yes, we are open to receiving information about MDM options, even though it is not specifically requested in the bid documents. any data management will have to be compatible with our current computer system, New World, also known as Tyler Technologies. If you offer it, please share that option.
- Q. What type of meter pits exist?
A. Mostly standard Muller pits and they are typically 15 - ¾" and 18-1" in size.
- Q. What type of Pit Boxes and covers are required?
A. Pit boxes, and covers are not required for this portion of the project.
- Q. Do we have a preference on power loss?
A. This question will need further discussion and consideration before we can answer.
- Q. How do vendors create a cost comparison?
A. Please refer to the shape-files available to create a cost comparison.
- Q. Regarding the retro-fit options, how will we determine the differences of two wire units vs. three wire units?
A. We will discuss this question and follow up with an answer after the close date for questions.
- Q. Is there a specific bid format that the City requires?
A. No, vendor can use their own format for their proposals / bids.
- Q. Is there a page limitation?
A. No.

- Q. What type of meter system can be bid.
A. The city will accept cellular, Fixed, LoRa WAN, mesh, or any other system architecture.
- Q. What is the process for the vendor interviews?
A. Around June 24, we will invite 'Short List' bidders to come and present in person.
- Q. Is there a preference toward leak detection or a non-revenue water project? Are you identifying water losses? How broad of a solution do you want?
A. Distribution management with sensors in the system to report water loss is of interest. We want to know the system capabilities. You may have a solution we are not thinking of so please share it. You can offer up multiple options if you have them.
- Q. Regarding retrofits for iPearl, it would be nice to know which are 2 vs. 3 outbound wires and how the interface is impacted.
A. As stated before, we will have to consider this, and we will share details when we have more information.
- Q. Do you plan to replace all meters in Phase 1?
A. Yes, all meters will be replaced or retrofitted in phase 1.
- Q. Will we consider cellular AMI?
A. Yes.
- Q. Will any exceptions to the bid be considered?
A. If you have an exception, let us know, we will look at it.

Meeting Adjourned: @ 11:00am