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SECTION 13200
ADVANCED METERING INFRASTRUCTURE (AMI) SYSTEM

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Scope:
 - 1. Advanced Metering Infrastructure (AMI) for water utility automatic meter reading system to be compatible with existing water utility automatic meter reading system.
- B. Additional requirements specified elsewhere:
 - 1. Division 1 - General Requirements.
 - 2. Comply with Santa Fe County Utilities Department Specifications.

1.2 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
 - 1. Neptune which complies with Santa Fe County Utilities Department Specifications
 - 2. No other manufacturer will be considered.

1.3 FORM OF SUBMITTALS

- A. Shop Drawings and product data:
 - 1. See Section 01340 for requirements for the mechanics and administration of the submittal process.

1.4 WARRANTIES AND GUARANTEES

- A. All warranties and guarantees specifically called for by the specifications shall expressly run to the benefit of the OWNER.
 - 1. Provide warranty as specified.
 - 2. Where manufacturer's standard warranties expire before expiration date required by Contract Documents, obtain and pay for warranty extensions, as part of Contract Price.

PART 2 - TECHNICAL REQUIREMENTS

2.1 SYSTEM DESCRIPTION

- A. Handheld system shall consist of the following components.
 - 1. Provide two (2) handheld collection systems.
 - 2. Applicable Ethernet Cradle and Power Supply
 - 3. ARB N Sight Software
 - 4. Comply with existing billing software or provide new billing software
 - 5. Any other required appurtenances for the handheld system
- B. Water Meters (3/4" and 1") shall be:
 - 1. Neptune T-10 Water Meter W/E-Coder R900i Register and Radio Transmitter

1 **PART 3 - IMPLEMENTATION**

3 **3.1 EXPERIENCED PROJECT MANAGEMENT**

- 4 A. The vendor, and its representatives, shall have a proven program of professional project
5 management to ensure successful system installation. Project managers shall be experienced in
6 managing the design, installation, and optimization of systems. Project management experience
7 shall include system integration and training support.

8 **3.2 CONFIGURATION AND SET UP**

- 9 A. Vender shall provide hardware configuration setup, operating system and software installation,
10 parameter setups, definition of required reports, and the testing of input and output files. The
11 vendor shall also supply 16 hours training at start-up and 8 hours for follow-up service training to
12 the owner (6 months after start-up). All training must be recorded by the Contractor or Vender
13 and given to Owner per Specification 01060-1.12.

14 **PART 4 - WARRANTY AND CUSTOMER SUPPORT**

15 **4.1 WARRANTY**

- 16 A. The Owner is interested in partnering with a single vendor who can provide a turn-key solution,
17 including all the materials, labor, software, hardware, warranty, support, training, maintenance and
18 troubleshooting of the system for a fifteen (15) year system lifecycle. The intent is to partner with
19 a vendor who will completely manage the implementation, support, troubleshooting and warranty
20 issues.
- 21 B. AMI Vender shall provide a two (2) year agreement to provide off-site host support services.
22 Services shall begin on the date in which substantial completion has been issued for the complete
23 project. AMI Vender shall also provide a fixed price to extend off-site host support services after
24 the original agreement has expired. Price shall for one (1) year increments and shall be guaranteed
25 for up to ten (10) after expiration of the original agreement.

26 **4.2 CUSTOMER SUPPORT**

- 27 A. Vendor must offer 24 hour per day customer support, 7 days a week.

28 **4.3 OWNERSHIP**

- 29 A. The proposed business transaction shall be a purchase of the system by Santa Fe County.
- 30 B. Santa Fe County shall own all data collected by the system. Data collected by the system shall
31 not be used for any purpose without the approval of Santa Fe County.
32

33 **END OF SECTION**