

## **Request for Proposal for Advanced Metering Infrastructure (AMI) System**

### **1.0 Introduction and Background**

#### **1.1 Overview**

Spring Creek-Cow Creek Sanitary District (the "District") is soliciting proposals from qualified vendors to furnish an Advanced Metering Infrastructure (AMI) system for its water utility. The new system will replace the current Sensus SRII Touchpad System to provide more efficient and accurate meter reading, enhanced customer service, and improved operational insights.

#### **1.2 Project Objectives**

The primary goals of this project are to:

- Transition from the current meter reading system to a fixed-base, two-way communication AMI system.
- Provide timely, daily consumption data for billing and analytics.
- Offer web-based customer portals for consumption data and alerts.
- Improve operational efficiency and reduce labor costs associated with meter reading.
- Implement advanced leak and high-consumption detection and alert capabilities.
- Enhance overall water utility management with advanced data analysis tools.



## 1.3 Scope of Work

### 1.3.1 Base Scope of Work

The vendor must provide a complete equipment package that includes a minimum:

- Supply endpoints for all meters within the district. Endpoints shall be compatible with Sensus iPERL meters. Approximately 300 meters currently in use.
- Supply all connection hardware necessary to make connections to the Sensus iPERL meters.
- Supply all necessary AMI infrastructure (e.g., collectors, repeaters).
- Provision of central host software, including licensing, configuration, and data integration.
- Comprehensive training for all utility staff on system operation, software, and maintenance.
- A multi-year maintenance and support program.

### 1.3.2 Alternative 1

- The vendor must provide the complete scope of work included in the Base Scope described in Section 1.3.1.
- Provide installation of endpoints on existing meters and all associated hardware to form a complete functioning system.

### 1.3.3 Alternative 2

- The vendor must provide the complete scope of work included in the Base Scope and Alternative 1 described in Sections 1.3.1 and 1.3.2.
- Provide for the complete replacement of all water meters in the district with a vendor-provided metering system with integral endpoints.
- Meters and endpoints shall be by the same manufacturer.

## 2.0 Project Requirements

### 2.1 System Specifications



- **Endpoints:** Provide details on the proposed endpoints, including make, model, functional capabilities, and AWWA compliance.
- **Meters:** Provide details on the proposed smart water meters, including make, model, functional capabilities, and AWWA compliance (Alternative 2).
- **Communication Network:** Describe the system's communication architecture, including the technology used between meters and collectors, and between collectors and the central host.
- **Two-Way Communication:** The system must support two-way communication to the water meter transmitter for scheduled, on-demand, and proactive messaging.
- **Data Accuracy and Collection:** The system must provide accurate, time-stamped readings.
- **Leak Detection:** The system shall be capable of identifying and quantifying customer leaks and potential distribution system leaks.
- **Scalability:** The system must be scalable to accommodate future growth and increased data requirements without significant cost increases.

## 2.2 Installation and Implementation

- **Turnkey Solution:** The project must be implemented to meet the requirements of the base scope, Alternative 1, and Alternative 2, as applicable. For a successful vendor to perform the Base Scope, Alternative 1, and Alternative 2, the selected vendor will be responsible for all aspects of the installation. The installation and implementation will be scaled based off the final project scope.
- **Project Plan:** Proposers must submit a detailed project plan outlining tasks, timelines, and personnel.
- **Data Migration:** Describe the process for migrating existing customer and meter data into the new system.
- **Customer Communication:** Proposers must include a plan for managing customer notifications and service appointments during the installation phase. This item applies only to Alternative 1 and Alternative 2.



## 2.3 Software and Data Management

- **Interface:** Describe the capabilities of the central host software and provide examples of the user interface.
- **Integration:** The software must be able to integrate with the District's existing Ampstun utility billing software.
- **Reporting:** Detail the reporting functions, data analytics, and graphic display options available within the software.
- **Data Ownership:** The District shall own the entire infrastructure and all collected data.
- **Web Portal:** The solution must include a secure, customer-facing web portal for monitoring consumption.

## 3.0 Proposal Submission

### 3.1 Schedule

- **RFP Issue Date:** November 21, 2025
- **Deadline for Questions:** December 23, 2025, 1:00 PM CST
- **Proposals Due:** December 31, 2025, 2:00 PM CST
- **Anticipated Contract Award:** January 14, 2025

### 3.2 Submission Format

Proposals should be submitted in two separate volumes:

- **Volume I: Statement of Qualifications.** Include company background, relevant experience, references, and project team qualifications.
- **Volume II: Technical and Pricing Proposal.** Address all technical and project requirements, provide a detailed project plan, and include a comprehensive pricing structure.

### 3.3 Evaluation Criteria

Proposals will be evaluated based on the following criteria:



**Project Scope:** Vendors may provide proposals for the Base Scope, Base Scope and Alternative 1, or the Base Scope, Alternative 1, and Alternative 2. Vendors are not required to provide solutions for Alternative 1 or Alternative 2.

**Experience and Qualifications:** The vendor's history with similar projects and the qualifications of the project team.

- **Technical Approach:** The proposed system's quality, functionality, and how it meets all technical requirements.
- **Pricing:** The overall project cost, including all hardware, software, installation, and ongoing costs as applicable to the scope of work ultimately selected by the District.
- **Timeline and Project Plan:** The feasibility and clarity of the proposed project schedule.
- **Training and Support:** The quality of the vendor's training and maintenance plans.

### **3.4 Contact Information**

All inquiries regarding this RFP should be directed to:

- Clerk
- [jj@andersonnill.com](mailto:jj@andersonnill.com)
- 605-494-0364

### **3.5 Submission of Proposals**

Proposals may be submitted any time during normal business hours to the office of:

Anderson, Nill & Associates, Inc.  
1517 N. Harrison Ave, Pierre, SD 57501  
Phone: 605-224-0311

OR:

Proposals may be electronically submitted to:

[jj@andersonnill.com](mailto:jj@andersonnill.com)



All proposals shall be received before December 31, 2025, at 2:00 PM CST