

SIOUX VALLEY ENERGY
COLMAN, SOUTH DAKOTA

POSITION DESCRIPTION

- A. Position: Standards Engineer
- B. Incumbent:
- C. Status: Exempt
- D. Position Function: To provide technical leadership in engineering standards, regulatory compliance, and downline SCADA systems Develops and implements plans and programs to maintain system integrity and reliability of the electrical distribution system.
- E. Reporting Relationships:
1. Reports to: Manager of Engineering
 2. Responsible for: (non-supervisory position)
- F. Responsibilities and Authorities:

Within the limits of approved board policies, operating guides and procedures, and specific delegation from the Manager of Engineering assumes the responsibility and has commensurate authority for the following activities, recognizing the continuing responsibility of this position for developing and maintaining a favorable Cooperative image consistent with the Cooperative Strategic Goals:

As a member of the Engineering Staff:

1. Communicates and interprets the Cooperative's Mission Statement, Keys to Success and policies to establish direction and to obtain understanding and commitment by the employees.
2. Develops recommendations regarding departmental organizational structure and staffing policies and practices to accomplish approved program goals through the most effective and efficient utilization of available resources.
3. Maintains effective internal and external relationships to enhance information transfer, productivity and the ability to influence decisions of others.
4. Promotes and contributes to maintaining high standards for workplace safety, assists in evaluating safety practices, and makes recommendations for improvements to help ensure a safe working environment for employees and the public.
5. Maintains a current knowledge and understanding of RUS, National Electric Safety Code (NESC) and other applicable standards and regulations to ensure that the Cooperative' distribution facilities are designed, constructed and maintained in a safe and efficient manner consistent with these standards.

As the Standards Engineer:

1. Leads the Cooperative's Wildfire Mitigation Plan and Equipment Maintenance Plan to meet regulatory and insurance requirements. Develops strategies to integrate safety, protection, and resilience across the distribution system.
2. Coordinates deployment of the Cooperative's downline SCADA system. Recommends devices, strategies, and practices to enhance grid performance, operational integrity and system reliability.
3. Analyzes statistical outage data and submits recommendations regarding necessary corrective action to meet reliability standards.
4. Updates and maintains the Staking Engineer Guide to ensure consistency by integrating current engineering practices, construction standards, and design protocols.
5. Investigates and incorporates changes to the Cooperative's overhead and underground standards and spec books, including the addition of operational information and contextual information into these documents.
6. Creates and maintains AutoCAD electrical switchgear drawings, new construction specification drawings, and other drawings, as needed to ensure integration with evolving system designs, manufacturers equipment changes and field implementation practices.
7. Investigates and recommends changes in construction standards and materials, including industry trends, emerging technologies, and new standards. Coordination with RUS on approvals needed for these changes, if applicable.
8. Assists with system analysis studies relating to sectionalizing, overcurrent protection, overcurrent device coordination, arc flash and load balancing as needed. Recommends devices, strategies, and practices to maintain system integrity and reliability.
9. Evaluates and recommends changes to Cooperative equipment and material specifications to ensure compatibility and integration across the distribution system.
10. In addition to these responsibilities, may be assigned by the Manager of Engineering to perform other duties from time to time.

Approved by: Michele Nielson,
Manager of Engineering

Date: July 24, 2025

Performance Factor	Level
Customer Focus	2
Teamwork	2
Innovation	3
Communication	3
Initiative	2
Quality/Quantity Focus	2
Leadership	4

SIOUX VALLEY ENERGY

JOB SPECIFICATION

- A. Position: Standards Engineer
- B. Education: Bachelor of Science degree from an accredited college or university in electrical engineering, engineering-technology or a related technical field is strongly preferred. Technical school degree along with a minimum of 5 years of utility experience may be considered.
- C. Experience: Mechanical, electrical, design or surveying background desired. Previous electric utility experience in operations/engineering or with a consulting firm working for electric utilities desired. Electric line construction or design experience is desired. Previous experience in the areas of computer applications and AutoCAD mapping preferred.
- D. Job Knowledge: Knowledge of personal computer applications including database, spreadsheet, word processing and electric system modeling required. Working knowledge of system protection coordination principles and computer-aided drafting preferred. Knowledge of electric utility engineering practices, operations and construction is preferred. Knowledge of standard utility specifications, the National Electric Safety Code and the National Electric Code is preferred.
- E. Abilities and Skills: Must be organized, detail-orientated, able to concentrate, and skilled in communicating with people. Must be able to express him/herself well orally and in technical writing projects. Must be skilled in the use of a personal computer. Must be able to organize and plan work projects. Must be familiar with algebraic and trigonometric functions and be able to apply their use to utility design and engineering problems.
- F. Working Conditions: Outdoor work required in a variety of weather conditions in addition to normal office working conditions. Occasional work outside of normal work hours will be required.
- G. Physical Requirements: Medium work requiring exertion of up to 50 pounds of force occasionally and/or up to 20 pounds of force more frequently. Lifting and carrying of 10 to 50 pounds occasionally. Primarily inside work with about 30 percent of the time spent outdoors. Exposure to varying temperature conditions including cold below 32 degrees and heat above 100 degrees. Minimal exposure to fumes, odors, gases, chemicals, poor ventilation, dust and dirt. Hazards include electrical. Must be able to use office equipment such as a copier, computer and printer. Must be able to read, write and do arithmetic. Requires conducting research and measuring. Must be able to present information to others.
- H. Reporting Location: Colman, SD headquarters or Brandon, SD service center

**Standards Engineer
Sioux Valley Energy**

Sioux Valley Energy is seeking a full-time Standards Engineer, who will be responsible for providing technical leadership in engineering standards, regulatory compliance and downline SCADA systems for the Cooperative, including development of plans and programs to maintain system integrity and assure reliability of the electrical distribution system.

Bachelor of Science degree from an accredited college or university in electrical engineering, engineering technology or a related technical field is strongly preferred. Technical school degree along with a minimum of 5 years of utility experience may be considered.

Reporting location will be at our Colman, SD headquarters or at our Brandon, SD service center. Competitive wages and excellent benefits including paid medical insurance and retirement benefits.

Apply by completing our on-line application at www.siouxvalleyenergy.com.

Or contact us at 1-800-234-1960.

Applications will be accepted until August 13, 2025.

EQUAL OPPORTUNITY EMPLOYER M/F/DISABLED/VETERAN