

Electrical Engineer - Distribution System

Posted 1/16/2026

Willmar Municipal Utilities is committed to providing safe, reliable and quality utility services at competitive rates for our customers. As we continue to serve and enhance our distribution and transmission systems, we're looking for a dedicated and knowledgeable Electric Distribution System Engineer to join our team.

This role combines leadership, technical expertise in both distribution and transmission, and strategic planning to support the safe, efficient, and reliable operation of our electric and water utility systems.

Key Responsibilities

- Lead engineering operations and supervise Engineering Technicians
- Manage capital improvement projects and departmental budgets
- Oversee system studies, infrastructure design, and construction for substations, transmission, and distribution
- Maintain and enhance SCADA, GIS, MDM, and fiber optic communication systems
- Ensure compliance with NERC and other regulatory standards
- Provide engineering support for power generation and water systems
- Conduct public outreach on safety and energy efficiency
- Collaborate with internal teams, consultants, and external stakeholders

Required Qualifications

- Bachelor's degree in Electrical Engineering or related field
- Minimum 5 years of engineering experience
- Valid Class D Driver's License
- Ability to obtain Professional Engineer (P.E.) registration in Minnesota within 4 years

Preferred Qualifications

- Experience in electric generation, transmission, and distribution operations and planning
- Familiarity with protection and control schemes, SCADA systems, fiber optics, and utility modeling tools
- Knowledge of OSHA, NEC, IEEE, NESC, and APPA safety standards

Skills & Abilities

- Strong leadership and project management skills
- Ability to present complex technical information clearly
- Strong computer skills with a focus on system integration, communication protocols, and database management
- Proficient in system modeling, analysis, and troubleshooting
- Effective communicator and team collaborator

Working Conditions

- Primarily office-based with occasional field work
- Exposure to energized equipment and outdoor environments
- Must carry a utility-issued cell phone and respond to emergencies as needed

Pay and Benefits

Pay Range \$117,600 - \$147,000

Benefits: Paid Time Off, Health Insurance, Life Insurance, Dental Insurance, PERA Retirement, 457(B) Matching, Flexible Spending Account, Health Savings Account,

Why Join Us?

At Willmar Municipal Utilities, you'll be part of a mission-driven team committed to delivering reliable utility services to our community. We offer a collaborative work environment, professional development opportunities, and the chance to make a lasting impact.

How to Apply

Visit our website at www.wmu.willmar.mn.us for an application. Submit your cover letter, resume and application to humanresources@wmu.willmar.mn.us

Application Deadline: Open until filled