



CENTRAL NEW MEXICO ELECTRIC COOPERATIVE INC.

A Touchstone Energy® Cooperative 
The power of human connections

Job Posting

Sr. GIS Analyst

CNMEC has an opening for a qualified Sr. GIS Analyst to join our organization. CNMEC offers competitive wages and an excellent benefits package. CNMEC pays 100% of the premium costs for medical/dental/vision for employee coverage; company paid life insurance and LTD benefits, a generous paid time off program, as well as a 401(k)-retirement plan with company match.

Location: Moriarty, NM

Job Summary: The Sr. GIS Analyst supports the development, maintenance, accuracy, and enhancement of the Cooperative's Geographic Information System, mapping databases, integrated electric utility systems, UAS (Unmanned Aircraft System) program, and related software. This position produces and maintains maps, spatial data, asset records, reports, imagery, LiDAR-derived products, and system information used by Engineering, Operations, Member Services, Accounting/Billing, and other departments to support safe, reliable, and efficient electric service. The role requires advanced GIS and UAS experience in utility, engineering, surveying, infrastructure, and land-management environments, with the ability to connect GIS, field data, GPS/GNSS, LiDAR, imagery, and UAS technologies into accurate operational deliverables.

Minimum Qualifications:

High school diploma or equivalent is required. Associate degree, bachelor's degree, certification, or technical training in Geographic Information Systems, Geography, Geoscience, Computer Science, Surveying, or a related field is preferred. Ten (10) or more years of geospatial experience supporting electric utilities, engineering, surveying, infrastructure, federal land-management, utility operations, utility construction, data collection, or related projects is preferred. Experience with ESRI ArcGIS Pro, ArcGIS Online, ArcMap, geospatial database management, spatial analysis, field data collection, GPS/GNSS workflows, AutoCAD, NISC or similar GIS/CAD/mapping systems is preferred. Experience developing, managing, planning, and executing enterprise UAV programs and large-scale UAS missions using enterprise platforms, long-endurance hybrid aircraft, aerial LiDAR, high-resolution RGB imagery, thermal sensors, and related payload technologies is preferred. An equivalent combination of education, training, and experience may be considered. Must have a valid NM driver's license; must have and maintain an insurable driving record.

Knowledge, Skills and Abilities:

- Working knowledge of GIS principles, GPS/GNSS data collection, spatial data management, database structure, data conversion, data quality control, and map production.

- Working knowledge of UAS program operations, mission planning, flight documentation, UAS payloads, LiDAR, RGB imagery, thermal imagery, point clouds, orthomosaics, terrain models, and integration of UAS-derived products into GIS, CAD, engineering, and operational workflows.
- Knowledge of electric distribution systems, utility construction, staking, line equipment, construction units, electrical circuits, utility symbology, substation layout, joint-use attachments, and RUS/NESC specifications preferred.
- Ability to read and interpret engineering drawings, construction plans, staking sheets, work orders, maps, legal descriptions, easements, utility crossing requests, and related technical documents.
- Ability to maintain accurate records, organize large volumes of data, meet deadlines, balance multiple priorities, and work independently with minimal supervision.
- Ability to perform spatial analysis, database queries, data imports/exports, file conversions, and integration of data from multiple formats, including CAD, shapefiles, CSV, KML, GPS/GNSS files, and related sources.
- Must become familiar with the service territory for the Cooperative.
- Proficiency with Microsoft Office applications, including Outlook, Word, Excel, and PowerPoint.
- Ability to provide direction and training to personnel of various skill levels.
- Strong attention to detail, analytical ability, problem-solving skills, communication skills, and commitment to data accuracy and safety.
- Ability to communicate effectively and courteously with employees, members, contractors, vendors, consultants, telecommunications companies, and the public.
- Ability to maintain confidentiality, demonstrate professional conduct, and serve as a positive representative of the Cooperative.

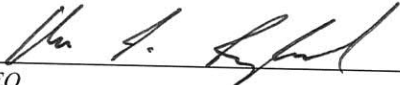
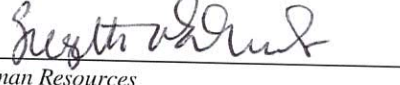
Please review the attached job description for more detailed information and the specific qualifications and requirements for the position.

To Apply: Send resumes with a letter of interest to Suzy Edmonds at suzy.edmonds@cnmec.org or PO Box 669, Moriarty, NM 87035.

Central New Mexico Electric Cooperative is an Equal Opportunity Employer

CENTRAL NEW MEXICO ELECTRIC COOPERATIVE, INC.

POSITION DESCRIPTION

JOB TITLE: Sr. GIS Analyst REPORTS TO: Engineering	FLSA STATUS: Non-Exempt SALARY GRADE: 8
DEPARTMENT: Engineering	LOCATION: Moriarty
APPROVED BY: <u></u> Department Head <u>8-26-26</u> Date <u></u> CEO <u>8/26/26</u> Date <u></u> Human Resources <u>8/26/26</u> Date	

Job Summary

The Sr. GIS Analyst supports the development, maintenance, accuracy, and enhancement of the Cooperative's Geographic Information System, mapping databases, integrated electric utility systems, UAS (Unmanned Aircraft System) program, and related software. This position produces and maintains maps, spatial data, asset records, reports, imagery, LiDAR-derived products, and system information used by Engineering, Operations, Member Services, Accounting/Billing, and other departments to support safe, reliable, and efficient electric service. The role requires advanced GIS and UAS experience in utility, engineering, surveying, infrastructure, and land-management environments, with the ability to connect GIS, field data, GPS/GNSS, LiDAR, imagery, and UAS technologies into accurate operational deliverables.

Essential Duties and Responsibilities

- Develop, maintain, and update GIS maps, layers, databases, and related records for the Cooperative's electric distribution system, including poles, conductors, transformers, meters, substations, equipment, land base, rights-of-way, joint-use attachments, fiber, and other utility assets.
- Updates and makes changes to the mapping system to reflect accurate and current geographical and land base information including but not limited to highways, road, lakes, rivers, creeks, wetlands, city limits, town limits, tax districts, school districts, service territories, easements, board districts, property lines, and developments.
- Performs field inspections on overhead and underground lines and equipment to verify the accuracy of the GIS, updates system accordingly, and reports discrepancies or hazardous conditions as needed to the appropriate personnel.
- Operates GPS/GNSS equipment in the field to attach real-world coordinates to the associated location in the GIS; imports this data and makes adjustments as needed.
- Post staking sheets, redlines, as-builts, work orders, engineering drawings, field notes, GPS/GNSS data, and other system changes into GIS and related applications, ensuring accurate and timely transfer of information to maps and asset databases.
- Perform data gathering, GPS/GNSS field collection, data conversion, spatial analysis, database queries, quality assurance/quality control (QA/QC) reviews, and metadata documentation to ensure the accuracy, completeness, consistency, and integrity of GIS data.

- Prepare maps, exhibits, reports, dashboards, data exports, and presentation-quality mapping products to support engineering studies, outage analysis, work plans, construction projects, staking, system planning, joint-use work, member service needs, and management requests.
- Maintain GIS integration and data exchange with related systems, which may include staking, outage management, customer information, billing/accounting, engineering modeling, fiber mapping, work management, and other Cooperative software platforms.
- Coordinate with Engineering, Operations, Line Department, IT, Member Services, Accounting/Billing, consultants, vendors, contractors, telecommunications companies, and other departments to identify data needs, resolve mapping discrepancies, and support ongoing projects.
- Interpret engineering plans, construction drawings, staking sheets, legal descriptions, easements, work orders, utility crossing requests, subdivision plats, CAD files, GPS/GNSS files, and other spatial or non-spatial records for inclusion in GIS systems.
- Assist with field verification, audits, data collection, utility locates, line spot documentation, construction reviews, joint-use inventory, pole attachment records, and other field-related GIS activities as assigned.
- Troubleshoot GIS applications, equipment, mapping hardware, plotters, tablets, GPS/GNSS units, and related software; coordinate with vendors or internal support teams for configuration, testing, updates, and issue resolution.
- Support the development, maintenance, and use of mapping standards, symbols, procedures, data models, backup processes, and documentation to improve GIS accuracy, usability, and system reliability.
- Maintain organized digital and physical files for maps, drawings, device settings, project records, photos, field data, database files, construction documentation, easements, joint-use records, and other GIS-related materials.
- Train or assist Cooperative personnel, consultants, contractors, and end users in the use of mapping systems, field data collection tools, dashboards, and GIS-related procedures.
- Monitor GIS technology developments and recommend enhancements, process improvements, software upgrades, or data quality improvements to management.
- Perform all duties in accordance with Cooperative safety rules, policies, procedures, applicable codes, and regulatory requirements, including Rural Utility Service (RUS), National Electrical Safety Code (NESC), and other applicable electric utility standards.
- Assists with the development of the budget for mapping areas.
- Develop, manage, and support the Cooperative's UAS program, including policies, procedures, equipment readiness, mission planning, flight documentation, data management, and coordination with internal departments, contractors, consultants, and regulatory requirements.
- Plan and execute UAS missions supporting electric utility inspection, engineering, surveying, infrastructure, vegetation, right-of-way, system planning, damage assessment, construction documentation, and other Cooperative field operations.
- Operate enterprise UAS platforms and long-endurance hybrid aircraft, as required for utility and geospatial missions.
- Collect, process, manage, and integrate UAS-derived LiDAR, high-resolution RGB imagery, thermal imagery, inspection data, point clouds, orthomosaics, terrain models, 3D deliverables, and related geospatial products into GIS, CAD, engineering, and operational workflows.
- Maintain, configure, and deploy UAS payloads and sensor technologies.
- Performs other miscellaneous job duties as assigned.

Supervisory Responsibilities

This position has no direct supervisory responsibilities; however, the Sr. GIS Analyst may provide guidance, training, and technical assistance to Cooperative personnel, consultants, contractors, and

end users regarding GIS systems, field data collection tools, dashboards, mapping procedures, and related applications.

Minimum Qualifications

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Working Conditions and Physical Effort

Usual office working conditions with regular working hours and occasional overtime. Occasional travel for training opportunities may be required.

Physical Effort and Dexterity: Frequent physical activity to include sitting, standing, walking, stooping, bending, reaching, crawling, lifting and carrying office supplies and equipment under 50 pounds; use hands and fingers to operate computers, tablets, plotters, GPS/GNSS equipment, office equipment, and related tools;

Machines, Tools and Equipment: Regular use of computers, GIS systems, databases, printers, plotters, tablets, GPS/GNSS equipment, specialized mapping software, and any other related office equipment.

Visual Acuity, Hearing and Speaking: Must have excellent written and oral communication skills, expressing oneself clearly, accurately and to the point; view detailed maps, drawings, screens, and printed documents; communicate in person, by phone, and by radio or electronic communication.

Environment/Working Conditions: Majority of work will be performed indoors. May require occasional fieldwork in varying weather conditions and terrain, travel to Cooperative facilities or job sites, and work near energized electrical equipment where established safety procedures must be followed. The regular work schedule is based on scheduled office hours.

Note: The preceding statements describe the general nature and level of work performed by the individual assigned to this position. This is not an exhaustive list of all duties, responsibilities and skills required of this position. Nothing in this job description restricts management's right to assign or reassign duties, tasks and responsibilities to this job at any time.