

Pioneer Electric Cooperative, Inc

JOB POSTING

Position: Systems Engineer

Location: Greenville, AL

Job Description

Job Title: Systems Engineer	Department: Engineering
Wage/Hour Status: Exempt <input checked="" type="checkbox"/> Non-Exempt <input type="checkbox"/>	
<p>Summary: This position develops short- and long-range planning associated with all major system distribution line and substation design, improvements, and inspections; monitors and makes necessary adjustments in distribution load; ensures proper maintenance of distribution system; handles the PCB eradication program; monitors substation and demand metering systems; ensures safety standards and safe work practices; provides other services to the Cooperative as required.</p> <p>Reports to: Engineering Manager</p> <p>Titles Supervised: None</p>	
Essential Duties & Responsibilities	% of Time
<p><u>System Maintenance</u> - Inspects substations, switched capacitors, voltage regulators, completes and maintains appropriate inspection forms. Determines substation equipment maintenance needs; supervises and/or assists with maintenance; inspects line voltage regulators; coordinates the replacement /repair of regulators; Plans and coordinates changes in distribution system protective equipment; coordinates the sizing to operate properly in isolating faults. Determines the sizing of fuse links used as protective devices on transformer banks, capacitor installations and short primary lines; assures that all operating personnel are informed of the appropriate sizes. Plans and coordinates maintenance of line reclosers. Obtains samples and coordinates the annual testing of oil samples from power transformers. Recommends and implements new or improved engineering standards, practices or methods. Engineers systems, estimates costs, and stakes work related to customer service requests.</p>	30%
<p><u>Load Management</u> - Monitors electrical loads at each substation to maintain a balanced loading condition on each phase; changes loads as necessary. Monitors the substation power factor at peak load for each substation to assure that it is 98% or greater. Coordinates the replacement of or changes in switched capacitors as necessary to maintain a 98% power factor for the system. Reviews all operations of circuit breakers; verifies that the cause has been determined and that any necessary corrections have been made. Assists operating personnel in restoring service by determining when electrical loads can be served from alternate sources.</p>	15%
<p><u>Planning</u> - Develops safe and adequate designs, selects materials and equipment, constructs and inspects overhead and underground distribution line facilities. Performs long and short-range planning of the electric power distribution system; Develops engineering data files and information for use in planning for system changes. Develops programs, procedures, and practices which encourage the efficient use of electricity. Completes an annual loading study of distribution transformers using data on winter and summer peak loads. Works closely with consulting engineers on specific studies/projects and in design of work plans to accomplish goals. Prepares routine and special studies and investigations including voltage levels, customer voltage and flicker complaints, phase balancing, capacitor and voltage regulator applications, economic sizing of conductors and transformers. Manages engineering service sub-contractors and component vendors to contribute to the overall design of energy storage systems.</p>	15%
<p><u>Poly Chlorinated Biphenyl (PCB) Eradication Program</u> - Determines through research and testing which of the Cooperative's distribution transformers have a high probability of being contaminated with PCB's. Coordinates the testing of distribution transformers for PCB levels; may personally draw oil samples. Determines those transformers that need to be replaced; coordinates the removal and disposal of contaminated transformers. Establishes and maintains a transformer inventory record reflecting the PCB test date, the PCB level, and other necessary information.</p>	10%

Metering/Billing - Maintains a record of any temporary load transfers between substations and communications changes to the PowerSouth in order to avoid double billings for the same capacity. Reviews and approves the monthly power bill for each substation. Reviews print-outs of Greenville/Selma demand meters for discrepancies. Annually field tests demand meters for both the Greenville and Selma operational areas. Designs and installs all instrument rated equipment for new loads. Coordinates maintenance of existing equipment and replaces as needed. Communicates to members concerning operating problems, rates, and other technically related areas.	10%
Safety - Attends and participates in safety meetings. Participates in training programs to maintain skills in first aid, CPR, and pole top rescue. Instills in workers an attitude of safety and ensures compliance with all safety rules and methods, making frequent field checks on work in progress to ensure adherence to safety requirements. Initiates investigations of accidents involving the Cooperative's employees or areas of responsibility; reviews with Manager of Engineering and Operations. Administers or directs administration of first aid, artificial respiration (CPR) and pole top rescue as required	10%
Other duties as assigned	10%
Minimum Qualifications:	
Education: Bachelor's Degree in Engineering required; degree in Electrical Engineering preferred	
Other Requirements: Must reside within 20 minutes of the Greenville office.	
Functional Competencies: Excellent communication and relationship skills, analysis, judgment, planning, organization, problem solving, detail oriented, team focus, collaboration, cooperation.	

To apply, please forward your current resume to resume@pioneerelectric.com with “**Systems Engineer**” included in the subject line. Resumes may also be submitted by USPS to: **Systems Engineer**, Pioneer Electric Cooperative, PO Box 468, Greenville, AL 36037. Resumes must be received or postmarked no later than **Tuesday, February 17, 2026**. *Pioneer Electric Cooperative, Inc. is an equal opportunity employer, including veterans and disabled.*

Essential Physical and Mental Requirements				
Physical Demands	Continuous (>70%)	Frequent (40-69%)	Occasional (15-39%)	Rarely (up to 15%)
Standing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bending	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crouching	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Climbing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pushing/Pulling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carrying	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lifting/Lowering 1-5 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6-30 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31-50 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
> 50 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fine Eye/Hand Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Color Discrimination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hearing Acuity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mental Demands	Continuous (>70%)	Frequent (40-69%)	Occasional (15-39%)	Rarely (up to 15%)
Concentration to detail	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attention span of 1+ hours on a task	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ability to remember multiple tasks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oral Communication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Written Communication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stressful situations and deadlines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Working Conditions	Continuous (>70%)	Frequent (40-69%)	Occasional (15-39%)	Rarely (up to 15%)
Exposure to hazardous work conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposure to extreme heat, cold, temp fluctuation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposure to hazardous chemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Issued:	Human Resources:			
Date Revised: Click or tap to enter a date.	Manager/Supervisor:			
I have read and understand this written job description and I <input type="checkbox"/> am <input type="checkbox"/> am NOT fully able to perform all listed requirements of this job position <input type="checkbox"/> with or <input type="checkbox"/> without reasonable accommodation.				
Date Signed: Click or tap to enter a date.	Employee/Candidate:			