

RESPONSIBILITY OUTLINE



Job Title	EIC Technician I-Sr		
Department	Generation Maintenance	Pay Status	Hourly
Reports To	EIC Technician Supervisor	FLSA Category	Nonexempt
Location	Holcomb		

SUMMARY

Perform highly skilled technical work in generation facilities including the maintenance and repair of generation equipment and plant ancillary equipment. Install, troubleshoot, calibrate, maintain, test, tune, and repair complex electronic, electro-mechanical, pneumatic equipment, recorders, and programmable logic controllers.

Essential Responsibilities

Placement in the position will be based upon the level of competencies possessed.

Electrical

Work independently or assist others diagnosing electrical control circuit problems; interpreting manufacturer schematics and instructions; and making necessary corrections to breakers, switches, and electrical switchgear.

Submit Document Change Requests (DCRs) following the Sunflower procedure as appropriate.

Perform preventive maintenance on both alternating current (AC) and direct current (DC) low (less than 600 volts) and medium (greater than 600 volts) voltage electrical circuit breakers, electrical motors, and generators.

Assist with thermographic scanning of electrical circuits, switchgear, and electrical rotating equipment, including the development of status reports.

Install switches, receptacles, indicators, alarms, process indication and control devices, conduit, and wiring according to prints and specifications.

Assist with projects, including the running of conduit, sizing of conductors, and interpreting the National Electric Code (NEC).

Instrument and Control

Work independently or assist others diagnosing instrument /control related problems, interpreting manufacturer drawings, instructions, and loop sheets. Perform instrument calibrations, adjusting control loops, and troubleshooting and repairing programmable logic controllers (PLCs) distributed control systems (DCSs) and Variable Frequency drives (VFD's).

Submit DCRs following the Sunflower procedure as appropriate.

Assist with programming complex Computer Control systems including, but not limited to, PLCs, DCSs, and VFDs.

Maintain and install material weigh systems and scales.

Maintain install pressure, level, flow, temperature, and motion instrumentation such as transmitters, gauges, switches, resistance temperature detectors (RTDs), thermocouples, resolvers, speed switches, and tachometers.

Safety

Sunflower employees are expected to approach their personal safety and their coworker's safety with a positive attitude and commitment. Sunflower employees will maintain the highest level of responsibility and accountability in compliance with all safety policies, practices and procedures to ensure a safe working environment. This includes properly maintaining and caring for applicable safety gear and equipment; identifying, correcting or assisting in resolving safety concerns, including communicating all hazardous conditions; reporting all injuries and near misses immediately to appropriate personnel; and understanding and complying with the Clearance Procedure as applicable.

Culture

Demonstrate personal responsibility and a commitment to Sunflower's culture and core values of technical competency, respect and dignity, accountability, integrity, trustworthiness, and servant leadership to empower or otherwise enable others to optimally perform their job responsibilities. Demonstrate and promote ethics and behaviors consistent with Sunflower's culture, Board policies, and business practices. Understand and fulfill the role and responsibility for all internal policies and procedures of the company to comply with laws, rules, and regulations.

Other Responsibilities

Perform other tasks as assigned or required to support Sunflower's mission and operations.

Qualifications

Education and Experience

Two year post high school technical certification in industrial electric or instrument and controls and four years progressively responsible industrial electric or instrument and controls experience, or equivalent combination of education and experience.

Knowledge, Skills, Abilities

Able to plan or assist in planning, scheduling, arranging, and preparing job duties.

Possess good troubleshooting and repair skills.

Able to interpret and understand electrical control diagrams and instrument loop sheets.

Proficiency in reading, designing, and interpreting ladder logic, Boolean logic, process flow diagrams, piping and instrumentation diagrams (P & IDs), instrument loop diagrams, electrical one-line, elementary, and schematic diagrams.

Knowledge of troubleshooting PLCs, DCSs, and VFDs. Understanding of their components and functions.

Able to maintain current knowledge base as technology and processes change.

Able to take responsibility for personal and professional growth.

Able to communicate effectively by means of telephone, radio, and paging systems.

Understanding of industrial or electrical generating plant processes, systems, and rotating equipment preferred.

Able to create and implement database for calibration, system performance, monitoring/optimization, and repair/testing reports preferred.

Possess understanding of the NEC Book to locate cable and conduit sizing tables and sections and articles describing the techniques to calculate the sizes preferred.

Knowledge of the methods, practices, testing equipment, tools, and equipment used in electrical and instrumentation repair and maintenance work preferred.

Working knowledge of electrical testing equipment and instrument calibration equipment preferred.

Written, verbal, and interpersonal communication skills at the level required to successfully perform the essential responsibilities of the position.

Able to operate computers and associated programs at the level required to successfully perform the essential responsibilities of the position.

Successful completion of the Edison Electric Institute (EEI) Power Plant Maintenance Selection System (MASS) Test.

Other

Possess and maintain a valid driver's license.

Able to travel to all Sunflower sites and attend training and meetings out of state as needed.

Regular and prompt attendance is required.

Able to work overtime, both scheduled and/or unscheduled. Able to respond and report to work during off hours in emergency situations.

Promotion Requirements

Employees are expected to progress through the training during the prescribed time period to the Senior EI&C Technician as a condition of employment per the standards of training for the craft of Senior EI&C Technician.

This outline is not all inclusive but rather serves as a general overview of the current business needs. Experience guidelines are not the sole basis for awarding this position and substitutions may be made as they relate to the essential functions, duties, and responsibilities of this position.

EEO Category	6	FLSA Exemption	N/A
FLSA Exemption Justification	N/A		

COMPETENCIES

The following competencies describe the required knowledge, skills, and behaviors that contribute to employee performance and organizational success. Please contact the Department of Organizational Development for definitions of each competency.

Core

- Technical Competency
- Respect and Dignity
- Accountability
- Integrity
- Servant Leadership
- Safety

Technical

- Communication
- Decision Making
- Flexibility
- Initiative
- Problem Solving
- Quality
- Team-Oriented
- Technology Acumen

PHYSICAL AND MENTAL REQUIREMENTS SHEET

This outline is not all inclusive but rather serves as a general overview regarding the physical and mental activities required to perform the job.

Physical Tasks and Exposure

For the following, indicate if the task or exposure during a typical shift is:

Occasional (0-33% of the workday); Frequent (34-66%); Constant (67-100%)

Task/Exposure	O	F	C
Standing			X
Walking			X
Sitting	X		
Climbing		X	
Crouching		X	
Twisting		X	
Reaching above		X	
Heights over 4 ft	X		
Confined spaces	X		
Variable weather			X
Cold		X	
Heat		X	
Noise over 85 decibels			X
Dust/Dirt		X	
Ionizing radiation	X		
Chemicals	X		
Repetitive - Wrist			X
Repetitive - Elbow			X
Other:			

Task/Exposure	O	F	C
Lifting/Lowering			
<10 pounds			X
11-30 pounds		X	
31-50 pounds	X		
Carrying			
<10 pounds			X
11-30 pounds		X	
31-50 pounds	X		
Pushing			
<10 pounds			X
11-30 pounds		X	
31-50 pounds	X		
51-75 pounds	X		
>75 pounds	X		
Pulling			
<10 pounds			X
11-30 pounds		X	
31-50 pounds	X		

Comments:

For the following, indicate if essential to the position:

Mental Requirements	
Works alone	X
Repetition	X

Audio/Visual	
Hearing/Corrected Hearing	X
Color discrimination	X

Required Examinations			
Physical Capacity Profile (PCP)		Audiogram	
Level 2		Chest X-Ray	X
Level 3	X	Spirometry	X
Level 4		Color	X
Level 5		DOT Physical	

A physical may be substituted for a PCP if it is not available.