



## Electrical Technician L1-2, SUBST OPS PST Dept Office

Job Info

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Job Number: 111276

**Posting Expiration Date:** Jan 31, 2024

**Schedule Type:** Full-Time

**Minimum Salary:** \$33.14

**Maximum Salary:** \$46.12

**Organization:** Substation Operations

**Department:** Protective Systems Testing

**Section:** SUBST OPS PST Dept Office

**Location:** Various

Similar Jobs

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[EV Program Strategy & Performance Analytics, Senior Specialist](#)

[Operating Supervisor, STEAM OPS-59th Street Station](#)

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[Project Specialist- IT BSD SCADA Team Lead](#)

[Technical Associate- WMS Design Engineering](#)

[General Utility Worker L1-2, Construction Services](#)

## **Job Description**

### **Mission Statement**

- Consolidated Edison Company of New York, Inc. (Con Edison), Orange & Rockland Utilities (O&R), and Consolidated Edison Transmission (CET) employees are required to follow health, safety, and environmental policies, EEO, Standards of Business Conduct, and all other applicable company policy and procedures. We all share a responsibility to advance the company's mission by excelling at our three corporate priorities – safety of our people and the public, operational excellence in all that we do, and ensuring the best possible customer experience.

### **Core Responsibilities**

- Con Edison's Protective System Testing (PST) team is responsible for the protection and control of the electrical system that powers one of the largest cities in the world. Our Electrical Technicians play a dynamic and vital role in ensuring that our Substation Protection and Control systems meet industry standards and continuously work on new and exciting technology to upgrade our systems. They work on a variety of projects and equipment including installation and testing of large power transformers and circuit breakers and microprocessor-based relay installations to name a few. In addition, they learn how to test complex circuits, read AC and

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DC schematics, interpret and use wiring diagrams, and understand microprocessor relay logic.

- Con Edison PST has an extensive training program for our Electrical Technicians consisting of in-house classroom and lab training at our state-of-the-art Learning Center, hands-on training in the field, as well as established career paths for continuous growth opportunities.
- Are you interested in learning about the operation, maintenance, and testing of protective relay systems, and transmission and distribution equipment? Are you interested in working on electrical construction projects, performing acceptance testing, and commissioning new protection systems and equipment? If you enjoy working on a variety of electrical-related projects and day-to-day tasks, then this is the place for you!
- Perform testing, troubleshooting and repairs on protective relays and system, substation equipment, control systems and telephones lines in substation and other locations.
- Fostering a Zero Error/Accident Culture, Diversity and Inclusion, Achieving Operational Excellence, Developing an effective Cost Management Culture and providing a +1 Customer Experience.
- Able to travel and work in any location within the Company and service territory.
- Strong knowledge of basic AC and DC electrical power theory and circuit analysis, including three phase AC power systems, as well as a strong working knowledge of mathematics and the ability to perform calculations involving basic trigonometry and vector analysis. Candidates must have knowledge and experience with computer systems and must be able to use these to perform automated testing, as well as prepare spreadsheets and technical reports.
- Ensures that all work is being performed in effective and efficient manner.

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- Ensures that the Human Performance Improvement (HPI) tools are incorporated into the plan and daily work activities.
- Committed to fostering a Zero Accident Culture, Diversity and Inclusion, Achieving Operational Excellence, Developing an effective Cost Management Culture and Enhancing the Customer's Experience.
- Committed to the Way We Work Principles, and adherence to the Company's Standards of Business Conduct and other Company procedures including Environmental, Health and Safety (EH&S).

### **Required Education/Experience**

- Associate's Degree Candidates for this position must possess an Associate's Degree in Electrical Technology, or related field of study. Or High School diploma with 2 years of academic programs completed in a Bachelors of Engineering program. Or High School diploma with 2 years of military academic programs to include one of the following: including Nuclear Electronics Technician, Nuclear Electrician, and Aviation Electronics Technician (or applicable). and Strong knowledge of basic AC and DC electrical power theory and circuit analysis, including three phase AC power systems, as well as a strong working knowledge of mathematics and the ability to perform calculations involving basic trigonometry and vector analysis. Candidates must have knowledge and experience with computer systems and must be able to use these to perform automated testing, as well as prepare spreadsheets and technical reports.

### **Preferred Education/Experience**

- Bachelor's Degree Bachelor's Degree of Engineering in a related field and applicable work experience is preferred. and Strong knowledge of basic AC and DC electrical power theory and circuit analysis, including three phase AC power systems,

as well as a strong working knowledge of mathematics and the ability to perform calculations involving basic trigonometry and vector analysis. Candidates must have knowledge and experience with computer systems and must be able to use these to perform automated testing, as well as prepare spreadsheets and technical reports.

### **Licenses & Certifications**

- Driver's License Required

### **Physical Demands**

- Able to work in all weather conditions, i.e. excessive heat and/or cold
- Perform heavy manual labor, i.e. push, pull, and lift up to 50lbs
- Ability to work in adverse conditions that include, noise, confined spaces, and high elevations
- Ability to work in inclement weather and adverse conditions (i.e., excessive heat, cold, noise, confined spaces)
- Ability to work with, and in, the vicinity of high voltage and/or other high-energy systems
- Ability to be approved to wear and use either a full or half-face respirator and self-contained breathing apparatus (SCBA), without facial hair or other conditions that may interfere with the seal, in accordance with OSHA regulations
- Ability to climb in and out of manholes and excavations
- Stand, walk, lift, climb, bend, kneel, stoop, and/or reach for the duration of the workday
- Wear necessary Personal Protective Equipment (PPE), i.e. fire-retardant clothing and safety harnesses
- Work with equipment with a manufacturer weight rating of 350lbs
- Use equipment with a maximum weight rating of 375lbs when wearing and/or carrying 25lbs of clothing and equipment

### **Technical Difficulty Statement**

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- For technical issues, please contact us at [careerconnect@coned.com](mailto:careerconnect@coned.com)

## **Equal Opportunity Employer**

- Consolidated Edison Company of New York, Inc. (Con Edison), Orange & Rockland Utilities (O&R), and Consolidated Edison Transmission (CET) are equal opportunity employers. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of the individual's actual or perceived disability, protected veteran status, race, color, creed, religion, sex, age, national origin, gender, gender identity, gender expression, genetic information, marital status, sexual orientation, citizenship, domestic violence victim status, or any other actual or perceived status protected by law.

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