

WIND TURBINE SUBSTATION TECHNICIAN

A Wind Substation Technician performs installation, maintenance and testing of wind-energy collection sites where the power from the turbines is gathered.

WHAT RESPONSIBILITIES WILL I HAVE?

- Perform inspections of wind turbines and equipment associated with wind energy
- Document work performed in either a written or computer logging system
- Conduct all work in a safe manner
- Interpret schematics to repair mechanical, electrical and/or hydraulic problems
- Conduct voltage testing of electrical power equipment
- Monitor project schedule as far as construction of new turbines and maintenance
- Ensure compliance with corporate policies and programs
- Responsible for substation maintenance and upkeep
- Understanding of medium and high voltage electrical systems
- Be familiar with the control and metering systems
- Understand fire protection systems and provide or schedule service as needed
- Understand and utilize detailed technical information to solve complex problems
- Act promptly in reporting to the Site Manager any facility/equipment deficiencies in case of damages and/or emergency situations



North Charleston

WHAT EDUCATION & TRAINING IS REQUIRED?

Technical, Associate's, or Bachelor's in wind or electrical technology

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, agriculture mechanics, English, computer courses, statistics and algebra

TYPICAL EMPLOYERS

Electrical companies and cooperatives as well as some private energy firms

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- American Wind Energy Association
- Utility Wind Integration Group
- Windustry

AVERAGE ANNUAL FULL-TIME SALARY

\$48,000