



ELECTRICAL ENGINEERING TECHNOLOGIST

EL&P – Electrical Engineering/Planning

Red Deer is Alberta's third largest city, a growing city built on entrepreneurialism, innovation and community spirit that drives who we are and what we do. We, as a city, are served by an innovative government, inspired by the people and businesses that live here, and filled with vibrant places and spaces for people to connect and community to thrive. Located halfway between Calgary and Edmonton, Red Deer is an active city rooted in an expansive park and is young and vibrant with a median age of under 35 years. With a diverse and resilient educated workforce, strong average family income, and ideal geographic location, Red Deer is a highly desirable place to live and do business and continues to grow.

The Opportunity:

The City of Red Deer is currently recruiting for the right person to fill the permanent full-time position of **Electrical Engineering Technologist** to fill the substation maintenance discipline. Reporting to the Senior Engineer - Planning - EL&P, the Electrical Engineering Technologist will support engineers and power system electricians in performing transmission/distribution substation inspection, maintenance and troubleshooting problems. Also, will provide technical assistance in planning, designing, and maintaining the transmission and bulk distribution systems including HV/MV substations. Also, in this position you will analyze the systems using computer-based models to optimize power delivery to customers, recommend new feeder constructions or existing facilities improvements, collaborate with engineers and other personnel to implement new substations as well as substation and feeder automation, and to upgrade and maintain assets of traditional substations.

As our preferred candidate you will have:

- A diploma in Electrical Engineering Technology from a post-secondary college/institute.
- Two or more years of experience in Electrical Distribution Utilities.
- Ability to read and understand physical design layouts and electrical diagrams.
- Ability to prepare equipment specifications, construction cost estimates and tender documents.
- Ability to evaluate consultant's or contractor's engineering proposals, shop drawings, electrical schematics and diagrams for sound electrical engineering practices and conformance with established safety and design criteria and recommend approval or disapproval.
- Experience in reading reports from consultants and contractors and interpretate and analyse data and test results in a meaningful way.
- Knowledge of project management practices and principles would be beneficial.
- Demonstrated ability to excel in a team environment.
- Ability to communicate concisely and effectively with contractors, consultants, City staff, property owners and the public both verbally and in writing.
- Demonstrated ability to work on time-critical assignments under high pressure scenarios where quick decisions are needed.
- A valid Class 5 Alberta Motor Vehicle Operator's License with an acceptable driving record.

As the Substation Maintenance candidate, you will have:

- Knowledge of electric power system operation and maintenance including HV/MV power transformers, switchgear, bus works, circuit breakers, instrument transformers, disconnect switches, ground grids and lightning protection systems, station DC systems, civil structures (such as foundations, supportive beams and columns) and control building equipment.
- Knowledge on substation apparatus test equipment including, but not limited to Omicron CMC 256/356 RTS or Omicron Test Universe.
- Knowledge of substation layouts and design configurations such as single bus, sectionalized bus, main and transfer bus, ring bus, breaker and half, double breaker-double bus systems.
- Competency in performing visual inspection of HV/MV substations as the Transmission/Distribution Facility Owner (TFO/DFO).
- Gather information/data for substation equipment failure analysis and work with engineers to determine the root cause of failure and propose solutions.
- Analyse maintenance test results and write reports to reflect them. Work with engineers/specialists and propose solutions when test results show abnormal readings.

What we offer:

In addition to the very competitive wage of \$54.97 to start and an excellent benefit package, we offer a great work environment with a dynamic and dedicated team of professionals. If you like what you have read and think this is the job for you; come build your career with The City of Red Deer. We are committed to a healthy, vibrant, and sustainable community. Our employees are the cornerstone of our organization and working with us will provide you with the opportunity to work in an ever-growing environment and to work with an awesome group of people.



We welcome applications until June 23, 25024

For further information or to apply, please visit our website at www.reddeer.ca/careers

Applicants not contacted are thanked for their interest.