



# Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Links Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:

Toll Free Phone: (866) 225-9067

Toll Free Fax: (877) 825-7564

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# Job Board Posting



Careers.Indigenous.Link

Date Printed: 2024/05/06

## Senior Welding Engineer

**Job ID** 58062-en\_US-1114

**Web Address**

[https://careers.indigenous.link/viewjob?jobname=58062-en\\_US-1114](https://careers.indigenous.link/viewjob?jobname=58062-en_US-1114)

**Company** TC Energy

**Location** Calgary, AB

**Date Posted** From: 2020-05-27 To: 2050-01-01

**Job** Type: Full-time Category: Resource Sector

### Description

Senior Welding Engineer Reference Code: 58062 Location: Canada (CA) - Calgary, AB

Job Category: Engineering

Employment Type: Employee Full-time

Relocation Eligibility: This position is eligible for our domestic relocation program

Application Deadline: 09/24/2020 We all need energy. It warms our homes, cooks our food, gives us light, and gets us where we need to go. It also improves our quality of life in countless other ways. At TC Energy, our job is to deliver that energy to millions of people who depend on it across North America. And we take our job very seriously. Guided by our values of safety, integrity, responsibility and collaboration, we develop and operate our facilities safely, reliably and with care for our impact on the environment. With our presence across the continent, our people play an active role in building strong communities. We're proud of how our hard work and

commitment sets us apart and benefits society, every day. We're looking for new team members who share our values and are ready to take on exciting challenges. The Opportunity TC Energy has an exciting career opportunity as a Senior Welding Engineer on the Welding & Materials Engineering team. In this role you would work within of team of Subject Matter Experts (SMEs) in the areas of pipeline welding, materials, coatings and NDE to contribute to the company's position as a world-class leader in the design, construction and operation of pipeline & energy facilities. Reporting to the Manager of Welding & Materials Engineering Canada Gas, you will be primarily responsible for providing welding engineering support to a wide variety of pipeline, facility and maintenance projects, ensuring timely and cost-effective compliance with TC Energy requirements. You will also have opportunities to support the continuous improvement of TC Energy technical specifications and work processes while developing collaborative relationships with team members, contractors and suppliers. If you like to be challenged at any stage of an asset lifecycle, and have an internal drive to achieve results, this may be the position for you. What you'll do

- Provide welding engineering support to a wide variety of new construction and maintenance projects including pipelines, facilities and shop fabrications.
- Develop TC Energy welding procedure specifications as required. Select TC Energy welding procedure specifications for project use.

- Support the development of new and existing TC Energy technical specifications related to welding.
- Support qualification and auditing of new and existing welding contractors and suppliers.
- Review and approve third-party welding procedure specifications and welding-related technical specifications to ensure that TC Energy supplementary requirements are applied.
- Provide upfront welding engineering support to projects through document reviews and pre-production meetings.
- Issue welding-related technical documentation and memos to projects as required.
- Support RFI and NCR processes to ensure contractor and supplier compliance with TC Energy requirements.
- Provide troubleshooting support during execution of new construction and maintenance projects.
- Collaborate with TC Energy team members including other engineers and technologists to develop effective solutions to technical challenges. Support the documentation and consistent application of TC Energy requirements.
- Collaborate with welding contractors and suppliers, procurement, and project teams to find practical solutions to technical challenges and to identify opportunities to improve technical requirements and processes.
- Conduct and support welding-related engineering assessments.
- Support failure analysis and root cause investigations as required.
- Provide technical expertise and information in response to Regulatory requests

#### Minimum Qualifications

- Bachelor's or graduate degree in Metallurgical/Materials, Mechanical Engineering or Welding Engineering (an alternate combination of experience and education may also be considered)
- Minimum of ten (10) years of progressive experience in a welding engineering role supporting the design and construction of oil and gas pipelines and facilities
- Registered Professional Engineer (P.Eng) with the Association of Professional Engineers and Geoscientists of Alberta (APEGA) is required (an alternate combination of experience and education may also be considered)
- Experienced in the application of welding requirements according to CSA Z662 and ASME IX
- General knowledge of common non-destructive examination techniques and their applications
- Demonstrated analytical and decision-making skills
- Demonstrated technical writing and oral communication skills, with a strong attention to detail

#### Preferred Qualifications

- Technical background in metallurgical materials or mechanical engineering including knowledge of and experience with the design, construction, and maintenance of oil and gas pipelines
- A strong background in materials properties, effects of fabrication methods on material properties, fracture mechanics analysis on fracture initiation and propagation control
- Experience with mechanized welding procedures for mainline welding and fabrication welding
- Experience with other design and welding standards (e.g. ASME B31.3, ASME B31.4, ASME B31.8, ASME VIII, CSA B51, API 1104, CSA W59)
- Field experience with construction practices to prevent problems such as hydrogen-induced

cracking

- Experience with in-service welding procedures and maintenance practices
- Experience in dealing with Regulatory and Compliance issues
- Experience in industrial failure analyses and root cause investigations including various mechanisms of mechanical and corrosion/erosion failures would be an asset
- Adaptability to a fast-paced environment with competing priorities and challenges

\*This position requires candidates to:

- Have and maintain a valid driver's license
- Provide a driver's abstract for review
- Must have the ability and be willing to travel to supplier's locations in North America and abroad
- Be available for extended work hours outside of standard business hours, and call-outs as needed
- Travel to other locations for temporary assignments, meetings or training which would involve overnight stays away from home (up to 15%)

Apply now! Apply to this posting by 09/24/2020 using reference code 58062. You must apply through our jobs system at [jobs.tcenergy.com](https://jobs.tcenergy.com). Only applications submitted through our system will be acknowledged. Applications may be submitted using a mobile device or a desktop / laptop computer. TC Energy is an equal opportunity employer. Learn more Visit us at [TCEnergy.com](https://TCEnergy.com) and connect with us on our social media channels for our latest news, employee stories, community activities, and other updates. Thank you for choosing TC Energy in your career search. \* Depending on qualifications, the successful candidate may be offered a position at a more appropriate level and/or ladder. \* Applicants must have legal authorization to work in the country in which the position is based with no restrictions. \* All positions require background screening. Some require criminal and/or credit checks to comply with regulations. \* TC Energy is committed to provide employment opportunities to all qualified individuals, without regard to race, religion, age, sex, color, national origin, sexual orientation, gender identity, veteran status, or disability. Accommodation for applicants with disabilities is available on request during the recruitment process. Applicants with disabilities can request accessible formats or communication supports by contacting [careers@tcenergy.com](mailto:careers@tcenergy.com).

For more information, visit TC Energy for Senior Welding Engineer