

JAMES FERGUSON

Professional Engineer (P. Eng.)

CONTACT

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 -----@---.com
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 james-wferguson

PROFILE

I am a senior leader and professional engineer with 20 years of experience in the energy industry. I have successfully led multidisciplinary teams on billion-dollar projects, overcome complex engineering challenges, and presented before Industry Regulators, the TC Energy Board of Directors, and the Government of Alberta. I am passionate about the practice of engineering, upholding the reputation of the profession, and our duty to the public.

QUALIFICATION

P.Eng. with APEGA
Member no. 82517
2009 – Present

**B.Sc. Materials Engineering
with Distinction**
University of Alberta
1999 – 2004

SKILLS

PROFESSIONAL

Leadership
Strategic Planning
Decision-Making
Communication
Collaboration
Problem Solving

WORK EXPERIENCE

DIRECTOR, PIPE INTEGRITY ENGINEERING SERVICES

TC Energy | April 2024 - Present

- Led multiple subject matter expert engineering teams responsible for governance, and oversight of pipeline engineering for more than 93,000 km of large-diameter pipelines across Canada, the USA, and Mexico
- Ownership of engineering standards, specifications, and standard drawings
- Provide engineering services to projects and operations for mechanical design, technical evaluation of vendors, welding and non-destructive examination, geotechnical engineering, and stress analysis, including advanced FEA
- Active participation and leadership on industry committees, including CSA Z662, CSA Z245, API 5L, API 1104, and ASME BPVC Section IX

DIRECTOR, COASTAL GASLINK (CGL) PHASE 1 ENGINEERING

TC Energy | September 2023 – April 2024

- Successfully led the closeout for engineering and commissioning of Phase 1, consisting of 670 km of NPS 48, CSA Grade 550 pipeline, delivering natural gas from Dawson Creek, BC to LNG Canada's export terminal in Kitimat, BC
- Oversaw the completion of as-built drawings. leave to open, and integration into operation
- De-risked engineering from being a critical path by reorganizing, reprioritizing, and refocusing the work, and the teams
- Directed the completion of several complex engineering assessments under intense deadlines, through collaboration across project engineering, project execution, pipeline integrity, and third-party engineering firms

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SKILLS

TECHNICAL

Microsoft Word
Microsoft Excel
Microsoft PowerPoint
Adobe Photoshop

EXTRA

CFIS Class Photographer
2022

**Seven Habits of Highly
Effective People Leadership
Course**
2012

INTERESTS

Photography
Health & Fitness
Running
Paddle Boarding
Cooking

WORK EXPERIENCE CONTINUED

DIRECTOR, LIQUIDS INTEGRITY

TC Energy | 2021 – September 2023

- Accountable for maintaining the integrity of TC Energy's liquids facilities and pipelines with annual budgets of \$40-\$60 million
- Led multidisciplinary teams including engineering, project controls, project execution, and quality
- Responsible for the practice of engineering for the Liquids Business Unit

DIRECTOR, KXL TECHNICAL SERVICES

TC Energy | 2018 - 2021

- Delivered technical services including engineering, power, commissioning, integration, and quality
- Established a refurbishment program for materials and equipment that had been in storage for 10 years
- Presented to TC Energy Board of Directors and the Government of Alberta
- Launched an initiative to make the project net zero carbon emissions in operations by effectuating 1,600 MW of net new renewable power generation

MANAGER, MATERIALS & WELDING ENGINEERING

TC Energy | 2012 - 2018

- Led a specialized team of engineers and technologists responsible for coating, materials, welding, and NDE
- Conducted an engineering assessment for steel fittings with variable material properties allowing a full return to service for several pipelines
- Acted as a witness in opposition of a trade case in front of the Canadian International Trade Tribunal

MATERIALS ENGINEER

TC Energy | 2007 - 2012

- Evaluated suppliers for pipe, valves, fittings, and pressure vessels
- Active member on the CSA Z245.1 and CSA Z662 code committees

REFERENCES AVAILABLE UPON REQUEST