

Ben Coles, M.Sc.E., MBA, P.Eng., FEC – President
Fire Protection Engineer

B.Sc. Mechanical Engineering, University of New Brunswick, 2003
M.Sc. Fire Protection Engineering, Worcester Polytechnic Institute, Spring 2009
MBA in Engineering Management, University of New Brunswick, Fall 2011

Areas of Practice

- Client Service
- Fire Protection Engineering
 - Fire Modeling and CFD Simulation
 - Fire Dynamics
 - Heat Transfer Analysis
 - Sprinkler System Design
- Risk/Consequence Analysis
- Building and Fire Code Consulting
 - Performance-Based Solutions
 - Due Diligence Audits
 - Fire Safety Planning
 - Authority Relations
 - Technical Training

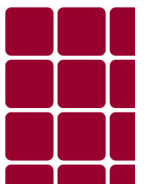
Professional Experience

RJ Bartlett Engineering Ltd, Fredericton, NB, January 2003 to Present

- Building and Fire Code Consulting
- Fire Modeling and Analysis
- Client Service

Coles Associates Ltd., Charlottetown, PEI, July 1998 to September 2002 (summer employment)

- Preparation of Drawings for Various Projects
- Contract Administration
- Finite Element Analysis



Affiliations

- Registered Professional Engineer with the APEGNB
- Registered Professional Engineer with Engineers PEI
- Registered Professional Engineer with the APEGNL
- Registered Professional Engineer with APEGM
- Registered Professional Engineer with the State of Maine, USA, Professional Engineers
- Professional Member with Society of Fire Protection Engineers
- Fellow of Engineers Canada

Committees

- ACEC-Canada, Board Vice Chair, 2022 - Present
- ACEC-NB, Past President, 2012 – 2020
- Advisory Council for Harmonized Construction Codes, 2023-Present
- Association of Professional Engineers & Geoscientists of New Brunswick
 - Experience Review Committee 2017 – 2021
 - Association Affairs, Vice-Chair, 2009 – 2016
 - Association Affairs, Councilor, 2006 – 2008
 - Fredericton Branch, Secretary, 2006
- The Fredericton United Way 2006-2011 Campaigns
 - Architecture and Engineering Sector Co-Chair
- Society of Fire Protection Engineers
 - Building Information Modeling Task Group
- University of New Brunswick Senior Project Peer Mentor, 2011 – 2016
- YMCA Fredericton, Board, Past Chair, 2015 – 2024

Papers and Presentations

The following represents a sample of the presentations given and/or prepared by Ben Coles:

- ““Fuel Cell Energy – Our Future?”
- “Canada’s 2005 National Building Code”
- “Part 3 of the 2020 National Building Code of Canada”
- “Practical Workshop on Applying Part 3 of the 2020 National Building Code of Canada”
- “Active Fire Safety Systems for Buildings”
- Opportunity Analysis Related to the Geographic Expansion of a Specialized Consulting Engineering Firm
- Fire Safety Evaluation Systems and their role in Asset Management