

Ben Coles, M.Sc.E., MBA, P.Eng., PE
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

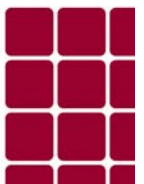
Professional Experience

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

Committees

- Association of Professional Engineers & Geoscientists of New Brunswick
 - APEGNB Association Affairs, Vice-Chair, 2009 – Present
 - APEGNB Association Affairs, Councilor, 2006 – 2008
 - APEGNB Fredericton Branch, Secretary, 2006
 - APEGNB Annual General Meeting Planning Committee, 2006 APEGNB Fredericton Branch, Councilor, 2005
- ACEC-NB, Secretary, 2012 – Present
- 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 – Present
- YMCA Fredericton, Operations Board Member, 2015 – Present

Papers and Presentations

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

- “Fuel Cell Energy – Our Future?”, August 2002, Boston, Massachusetts
- “Canada’s 2005 National Building Code”
- “Part 3 of the 1995 National Building Code of Canada”
- “Practical Workshop on Applying Part 3 of the 1995 National Building Code of Canada”
- “The National Building Code of Canada, 2005, Division B Acceptable Solutions, Part 3 Fire Protection and Occupant Safety”
- “Active Fire Safety Systems for Buildings”
- Opportunity Analysis Related to the Geographic Expansion of a Specialized Consulting Engineering Firm