



EDUCATION

- University of Maryland
 - Bachelor of Science, Fire Protection Engineering, 1997

PRACTICE AREAS

- Fire Protection Engineering
- Fire Protection, Detection, and Alarm Systems Design/Analysis
- Fire/Life Safety/Egress Assessments
- Loss Investigation/Litigation Consulting
- Building/Fire Code Consulting
- Performance-Based Design
- Fire and Emergency Planning

REGISTRATIONS

- Professional Engineer in IL, DE, NJ, and NY
- Provisional - Certified Fire and Explosion Investigator

PROFESSIONAL AFFILIATIONS

- International Association of Arson Investigators (IAAI)
- National Association of Fire Investigators (NAFI)
- National Fire Protection Association (NFPA)
- New York Fire Alarm Association
- Society of Fire Protection Engineers (SFPE)

CONTACT

tcostello@wje.com
 609.799.2476
 212.760.2540
 www.wje.com

EXPERIENCE

Timothy Costello combines a unique perspective gained from twenty years as a fire protection engineer and code consultant, along with twenty-five years in the volunteer fire service. He is accomplished in fire protection systems evaluation, design, and commissioning; the application of building and fire codes; and the development and exercising of emergency preparedness plans. Mr. Costello works closely with building owners, facility and safety managers, developers, architects, engineers, attorneys, and code officials to develop innovative and code compliant solutions so that each project is completed successfully. This work has also led to his participation on technical committees for the development of major New York City Building Code revisions and for three National Fire Protection Association (NFPA) standards.

Prior to joining WJE, Mr. Costello served in a number of roles with Jensen Hughes, Inc. (Rolf Jensen & Associates), including vice president/operations manager, director, and principal engineer. He also was the president of TRC Fire Engineering, P.C., a fire engineering firm serving clients in New York City.

REPRESENTATIVE PROJECTS

Fire Protection, Detection, and Alarm Systems Design/Analysis

- North River Waste Water Treatment Plant - New York, NY: Fire suppression, detection, and alarm systems design*
- Passaic County Courthouse - Paterson, NJ: Fire alarm system and sprinkler system design*#
- Confidential - Queens, NY: Fire detection and suppression system design for battery rooms*
- New York City Hall - New York, NY: Fire alarm with voice communication, wireless detection, and sprinkler and standpipe system design*#^
- Waldorf-Astoria Hotel & Towers - New York, NY: Sprinkler system design*#
- Metropolitan Museum of Art - New York, NY: Fire protection systems master plan*#
- Columbia University, Manhattanville - New York, NY: Fire alarm/smoke control master plan for new university campus*

Building/Fire Code Consulting

- 26 Federal Plaza - New York, NY: Eight-story renovation of federal office building*
- 377 Washington Street - Newark, NJ: Egress compliance evaluation of new K-12 school
- Morris County Courthouse - Morristown, NJ: Fire safety code analysis*#
- Over Thirty Buildings - New York, NY: Fire protection plans for offices, hospitals, hotels, and day-care facilities*

Performance-Based Design

- Javits Center - New York, NY: Validation of original performance-based approach using current egress and fire modeling methods
- Meridian Hangar 12 - Teterboro, NJ: Code and technical analysis and modeling for column water spray protection*
- Confidential - New York, NY: Assessment of protection of Sprayed Fire Resistant Materials (SFRM) from high-temperature diesel exhaust, development of test criteria, and analysis of results*
- Confidential - New York, NY: Analysis of slab edge firestop solution at curved glass exterior wall; development of fire test criteria, observation of fire tests, and development of engineering-judgement*
- Beekman Hotel & Residences - New York, NY: Fire and egress modeling with specialized smoke curtains*#^

Emergency Preparedness Planning

- More than Seventy-Five Buildings - New York, NY: Fire safety/emergency action plans for offices, hotels, hospitals, colleges, dormitories, day care centers, theaters, and arenas
- Confidential - NJ Sites: Development of emergency response/crisis management plan; preparation and facilitation of table-top exercises*

**Projects with previous firms*

#Landmarked building

^Award-winning project

TECHNICAL COMMITTEES

- New York City Building Code, Fire Protection Technical Committee, 2008, 2014, and 2019 cycles