

Matt Wilber is a Senior Consultant for ESi. Matt has been in the fuel gas industry for over 46 years. He has broad experience in residential, commercial and industrial appliance repair, installation and conversion, piping systems, gas distribution system construction and maintenance, field supervision, training, emergency response and site management, gas leak and carbon monoxide investigations and remediation. Matt has worked extensively in the development of safety and performance standards for gas equipment and accessories, development and improvement of national and local construction codes with focus on those related to mechanical equipment installation and application, piping, ventilation, accessibility, life safety, and building science.

Education

Advanced Fire, Arson & Explosion Investigation Training Program, NAFI, NFPA, Sarasota, FL. August 2-4, 2010

Fire and Explosions Investigations (NFPA 921), NFPA, Quincy, MA. May 21-22, 2009

Minimizing Liability in IAQ: Design, Construction and Operations Issues, ASHRAE, Atlantic City, NJ. January 15, 2002

Dozens of technical seminars on gas appliances and equipment, building science, mold remediation, carbon monoxide, ventilation, and piping systems

Licenses/Certifications

- Optical Gas Imaging, Level 2 Certified Thermographer (2018-present)
- Gasfitter Certification, City of Minneapolis, Minnesota (1981-2011)
- Certified Fire and Explosion Investigator (CFEI)
- Certified Gas Engineer (CGE)

Contact Information

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ESi Minnesota

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Areas of Specialization

- Building Science
- Carbon Monoxide Incidents
- Codes and Standards
- Fuel Gas Industry
- Gas Distribution System Construction/Maintenance
- Life Safety
- Mechanical Equipment Installation and Application
- Piping Systems
- Residential/Commercial/Industrial Appliance Repair and Installation
- Ventilation

Positions Held

Engineering Systems Inc., Plymouth, Minnesota

- Senior Consultant, 2019 – Present

Crane Engineering, Plymouth, Minnesota

- Gas and Mechanical Systems Specialist/Facility and Technical Resources, 2007 – 2018

Matt Wilber and Associates, Inc., Edina, Minnesota

- President, 2007 – 2008

Minnegasco/CenterPoint Energy, Minneapolis, Minnesota

- Manager, Codes and Standards, 1995 – 2007

Minnegasco, Minneapolis, Minnesota

- Field Service Supervisor, 1988 – 1995
- Field Service Technician, 1979 – 1988

Professional Affiliations/Honors

Bi-National Gas Appliances and Related Accessories Committee (formerly, ANSI/CSA Z21/83 Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories)

- Member since 1996
- Chairman 2018 – 2024

NFPA

- NFPA 54, National Fuel Gas Code (alternate, 2015-2018 and 2021-Present)
- NFPA 58, Liquefied Petroleum Gas Code (alternate, 2021-Present)

ANSI

- ANSI Z21.47 Central Furnace Technical Standards Committee (Chairman), 1996 – Present
- ANSI Z21.10 Water Heater Technical Standards Committee, 1996 – Present
- ANSI Z83 Food Service Equipment Technical Standards Committee, 1996 – Present

State of Minnesota Mechanical Code Advisory Committee

- Member 1996 – 2006

State of Minnesota Energy Code Advisory Committee

- Member 1996 – 2006

Minnesota Association of Plumbing and Mechanical Officials

- Member 1996 – 2018

National Association of Fire Investigators

- Member since 2010

American Society of Gas Engineers

- Member since 2010

CSA

- CSA Fuels and Appliances Strategic Steering Committee, 2017 – Present
- CSA US Gas Advisory Council, 2013 – 2017

Publications

“Data at a Distance: The Art of Remote Inspections”, **M. W. Wilber**, presented at the ESI Smart Sessions, Engineering Systems Inc., Plymouth, MN, 2021.

“A Study of Undiagnosed Carbon Monoxide Complaints,” **M. Wilber** & S. Klossner, presented at the International Healthy Buildings/IAQ Conference, Washington, DC, 1997.

Presentations

State of Minnesota Energy Code Study, Issues and Methodology, 2000.

City of Minneapolis Inspections Division, Mission and Future Direction Operational Review, 2000.

Developed two software products to assist the trades with code compliance, 1999 and 2003.

State of Minnesota Healthier Homes Advisory Committee, 1998.

University of Minnesota, Residential Ventilation Strategies training program, curriculum development and trainer, 1998.

Minnesota Carbon Monoxide Task Force, 1995-1998.

University of Minnesota, Department of Forest Products, undergraduate program development for Residential Building Science and Technology, 1996.

Ventilation Advisory Committee, Metropolitan Airport Sound Insulation Project, 1996.

Presenter at the National Affordable Comfort Conference, three years.

More than 100 presentations on construction codes and manufacturing standards to code enforcement officials and industry trades people.

Contributing Editor

Tenth Edition of the National Fuel Gas Code Handbook, 2018.

Seventh Edition of the National Fuel Gas Code Handbook, 2009.