

VENTILATING NEW AND EXISTING HOMES

Building and renovating homes in Maine's unique climate is a challenge. While most customers demand that their homes be constructed and renovated to minimize heat loss - most customers don't make similar demands for adequate ventilation. Yet ventilation of a Maine home is one of the most critical construction issues Maine builders need to address. Properly ventilated homes minimize the risk of exposure to indoor environmental pollutants (radon, carbon monoxide, carbon dioxide, combustion pollutants, chemicals) and minimize the risk of moisture damage in the building envelope and subsequent biological contamination.

This program will educate residential building professionals on the reasons why efforts to *control* ventilation in a home is necessary to protect occupant health. It will discuss the most common sources of indoor air pollution in homes and how they get there, and what physical processes are present (air flow, pressure, moisture) that affect indoor air quality. The program will emphasize practical strategies to achieve core ventilation goals. The program will address both new and existing construction.

TOPICS:

- ◆ Construction practices that save you and your client money **and** improve indoor air quality
- ◆ Symptoms of improperly ventilated homes
- ◆ The physical processes that affect ventilation
- ◆ Full range of ventilation options, with recommendations on efficacy and cost
- ◆ Available products and product costs
- ◆ Considering houses as a system
- ◆ Balancing energy efficiency and indoor air quality
- ◆ Maine codes, guidelines and standards and how effectively they address ventilation strategies

ABOUT THE TRAINERS

Bill Turner is the president of Turner Building Science, LLC, and has 20 years' experience in the development and implementation of indoor air quality standards, diagnostic testing and remediation, industrial hygiene instruments, survey administration, air monitoring data collection, quality assurance, data validation, and technical report preparation. Turner Building Science has assembled a training development team for this program that includes engineers, architects, energy consultants and home builders - all who have been working and building in Maine for over 25 years.

David Johnston is president of David A. Johnston & Co. and has been building healthy, energy efficient homes in Maine for more than 21 years. David is a former a drafting and design instructor in the University of Southern Maine Residential Construction Program, and continues to serve as an adjunct instructor of architectural design, graphic design, and drafting techniques.

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