

# Agenda

Presented by Don Sivigny

## General Administration of the Commercial Energy Code

Introduction and review today's class  
Development and adoption Commercial Energy Conservation Codes in Minnesota  
Commercial Energy Code legislation: content and implementation  
Reviewing the format and organization of the Commercial Energy Code  
Process of examining required submittals/procedures using TAGs  
Scoping provisions of the Commercial Energy Code - What building does it cover?  
Discussion on Chapter 1, deletion and Minnesota Rules 1300 as the Administrative Chapter for all Minnesota Codes

## Adoption of and Review of the 2019 ASHRAE Standard 90.1 Minnesota Amendments

Exploring energy modeling software  
What about existing buildings? What should we look to for guidance on existing buildings?

- Building toward the next generation Commercial energy codes
- Which one will we be using in the future?
- What is the adoption cycle going to be? And why?

## Development and Adoption of Residential Energy Conservation Codes in Minnesota

Minnesota Code process and where we are at now as well as where we are going  
Residential Chapters 2-3  
Climate zones

- How many climate zones will Minnesota have in the next code cycle?

Code compliance alternatives

## Materials, Systems and Equipment

Residential energy efficiency  
Building thermal envelope  
R-values and U-factor alternatives  
Prescriptive insulation:

- Prescriptive fenestration
- Fireplaces and fuel-burning appliances
- Energy modeling

Heating and cooling system and power systems  
Existing buildings  
Case studies/examples

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# Complying with the Minnesota Energy Code

Live, Interactive Webinar - Thursday, January 11, 2024

NON-PROFIT  
U.S. POSTAGE PAID  
EAU CLAIRE, WI  
PERMIT NO. 2016

HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



## Learning Objectives

### You'll be able to:

- Review** commercial energy code content, legislation and implementation.
- Examine** energy efficiency requirements for new and existing buildings.
- Explore** 2019 ASHRAE Standard 90.1 as amended for Minnesota.
- Discuss** potential residential energy code climate zone changes.
- Consider** residential energy code compliance alternatives.
- Evaluate** materials, systems and equipment for residential energy efficiency.



## HalfMoon Education Live Webinars

# Complying with the Minnesota Energy Code

Live, Interactive Webinar - Thursday, January 11, 2024



**Discuss** adoption of energy conservation codes in Minnesota

**Review** required submittals and procedures for commercial buildings

**Review** 2019 ASHRAE Standard 90.1 with Minnesota amendments

**Explore** energy code residential chapters 2-3

**Evaluate** materials, systems and equipment for residential energy efficiency

### Continuing Education Credits

**Professional Engineers**  
6.0 PDHs

**Architects**  
6.0 HSW CE Hours  
6.0 AIA LU | HSW

**International Code Council**  
.6 CEUs (Building)

AIA  
Continuing  
Education  
Provider



# Webinar Information

## Log into Webinar

8:00 - 8:30 am CST

## Break

12:30 - 1:00 pm CST

## Morning Session

8:30 am - 12:30 pm CST

## Afternoon Session

1:00 - 4:00 pm CST

## Tuition

**\$319** for individual registration.

**\$289** for two or more registrants from the same company at the same time.

**Included with your registration:** PDF seminar manual.

## How to Register

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
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# Faculty

## Don Sivigny

*Minnesota Department of Labor and Industry*

Mr. Sivigny has over 32 years of work experience in the enforcement of the Minnesota Building Codes in both rural and metropolitan settings. Mr. Sivigny has spent many years in the industry as a code official and a construction manager. He is known nationally for his work in residential building codes, building durability issues, building science, air quality control, radon, energy and green building issues. Mr. Sivigny has traveled the country teaching these topics and has often been a featured speaker both locally and nationally on these topics as well.

# Additional Learning

## Small Wind Energy Systems up to 100 kW

- Monday, December 11, 2023 | 8:30 am - 3:30 pm CST

## Sustainable Interior and Exterior Lighting Design

- Monday, December 11, 2023 | 9:00 am - 4:00 pm CST

## Residential and Small Commercial Timber Frame Design and Construction

- Monday, December 11, 2023 | 9:00 am - 4:30 pm CST

## Building Systems Science and Performance

- Tuesday, December 12, 2023 | 10:30 am - 2:45 pm CST

- Wednesday, December 13, 2023 | 1:00 - 3:30 pm CST

## Soils in Construction

- Wednesday, December 13, 2023 | 8:30 am - 5:00 pm CST

## Complying with the Fire/Life Safety Provisions of the International Building Code (2021)

- Wednesday, December 13, 2023 | 9:00 am - 5:00 pm CST

## Foundations in Cold Regions

- Thursday, December 14, 2023 | 11:00 am - 2:15 pm CST

- Friday, December 15, 2023 | 11:00 am - 2:15 pm CST

## Designing and Constructing for Carbon Neutrality

- Friday, December 15, 2023 | 9:00 am - 4:00 pm CST

## Construction Cost Estimating

- Friday, December 15, 2023 | 9:00 am - 4:30 pm CST

# Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in Minnesota.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

## On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate.

## Load Paths: Determining Member Loads in Structure

- Tuesday, December 19, 2023 | 9:00 am - 4:30 pm CST

## Reinforced Concrete Building Design and Construction

- Wednesday, December 20, 2023 | 8:30 am - 4:30 pm CST

## Ethical Issues in Structural Engineering

- Wednesday, December 20, 2023 | 11:00 am - 12:00 pm CST

## Solar Photovoltaic Energy 2024:

### Residential and Small Commercial Systems

- Wednesday, December 27, 2023 | 8:30 am - 3:30 pm CST

## The EPA's 2022 Construction General Permit

- Thursday, December 28, 2023 | 9:00 am - 4:00 pm CST

## 2021 International Building Code Essentials

- Thursday, December 28, 2023 | 8:30 am - 4:30 pm CST

## Preventing and Addressing Construction Defects and Failures

- Thursday, December 28, 2023 | 8:30 am - 5:00 pm CST

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