

Midwest Building Energy Codes Conference

Conference Agenda

November 28-29, 2018
The Magnolia Hotel
St. Louis, Missouri

Locations

All sessions take place in Magnolia Ballroom B/C
Registration, breaks and meals are in the Mezzanine (unless otherwise noted)

Day 1: Wednesday, November 28

8:00 - 9:00am	Breakfast (provided)
8:00 - 9:00am	Registration
9:00 - 9:30am	Opening Remarks and Plenary
9:30 - 10:30am	Discussion: State and Local Adoption
10:30 - 10:50am	Break
10:50am - 12:05pm	Energy Codes and Resilient Design
12:05 - 1:15pm	Lunch (provided)
1:15 - 2:30pm	Code Compliance and Energy Efficiency in Existing Buildings
2:30 - 2:40pm	Break
2:40 - 3:55pm	New Technologies: How IoT Can Drive Energy Efficiency
3:55 - 4:15pm	Break – sponsored by Ingersoll Rand
4:15 - 5:30pm	Building a Better Community: Data, Compliance and Utilities
6:30 - 9:00pm	Networking Dinner (provided) Pi Pizzeria - 610 Washington Ave. (map)

Day 2: Thursday, November 29

8:00 - 9:00am	Breakfast (provided)
8:00 - 9:00am	Registration
9:00 - 10:20am	Zero Energy Codes
10:20 - 10:40am	Break
10:40 am - 12:00pm	Discussion: Manufactured & Prefabricated Homes
12:00 - 1:00pm	Lunch (provided) / Portfolio Manager 101
1:00 - 2:30pm	Discussion: Benchmarking Solutions
2:30 - 2:45pm	Break
2:45 - 4:30pm	Beyond Benchmarking Carousel
4:30 - 5:30pm	Happy Hour – sponsored by Franklin Energy Robie's (Magnolia Hotel bar)

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Session Descriptions

Discussion: State and Local Adoption

More efficient building energy codes mean reduced energy costs, better occupant health and comfort and a more resilient building stock. Given these significant benefits, why aren't more people and groups involved in the adoption process? In this discussion-based session, we will hear from local experts on how the process works, who are the typical players, and how we can improve our messaging to engage more groups and the public as a whole.

Energy Codes and Resilient Design

Extreme weather event research and on-the-ground lived experience have revealed an increasingly close tie between energy-efficient construction and disaster-resistant construction. This session will explore the relationship between energy efficiency, building codes and resilient design.

Code Compliance and Energy Efficiency in Existing Buildings

Existing buildings are the dominant energy user in the largest energy consuming sector of the US economy. The energy code requires upgrades to current code requirements at points in the life of the building when the incremental costs are minimized. But there are opportunities for "deeper" savings and efficiencies as well. This session will discuss when code mandated improvements are required and how "deeper" savings can be achieved.

New Technologies: How IoT Can Drive Energy Efficiency

In case you missed it, the internet of things (IoT) has arrived! In 2017, the number of connected devices exceeded the global population. The growth trajectory indicates that devices will outnumber people 3-to-1 by 2021. IoT can be simply described as sensor/control devices connected to the web. This session will discuss the concept of IoT, how submetering with IoT can help drive energy efficiency. This session will also explore how the lighting industry is using IoT to provide lighting control.

Building a Better Community: Data, Compliance, and Utilities

Energy code stakeholders have a growing interest in improving compliance as a way to assure that customers and communities gain the full range of energy code benefits. DOE has funded studies that estimate state-specific savings at the measure level and utilities are funding code compliance support programs. This panel will review the findings of the DOE studies and discuss utility interests in improving compliance.

Zero Energy Codes

California recently updated their energy code to require that all new homes are zero energy ready by 2020. This progressive code will help California reach its climate goals, build resilient homes, and reduce the strain on the electric grid. In this session, we will learn about the new California code, how it can be implemented in the field, and what jurisdictions in the Midwest can do to emulate this success.

Discussion: Manufactured and Prefabricated Homes

Manufactured and prefabricated homes present different challenges and opportunities than classic residential structures when it comes to energy efficiency and applying the energy code. In this facilitated discussion session, participants will examine the challenges manufactured homes present as well as opportunities for improving efficiency in these structures.

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Portfolio Manager 101

In collaboration with the Missouri Gateway Chapter of the U.S. Green Building Council, this session will cover the basics and benefits of the ENERGY STAR Portfolio Manager benchmarking tool.

Discussion: Benchmarking Solutions

This facilitated discussion session will highlight different real-world challenges and solutions with benchmarking, including encouraging participation and using energy data to improve energy efficiency.

Beyond Benchmarking Carousel

Learn about best practices and opportunities for taking next steps from experts in the benchmarking and energy data field in this hands-on networking-style session.

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