

Ameren Missouri Energy Codes Compliance Collaborative – Meeting Notes

Wednesday, July 24, 2019

Governor Office Building, Jefferson City, Missouri

- I. Welcome to Jefferson City
- II. Safety tip: Do's and Don'ts of Summer Heat
- III. Introductions – Name, Job Title and Employer, Location of Workplace, Energy Code in your Jurisdiction

In Person:

- Ian Blanding, Program Manager for the Ameren Missouri Residential Energy Code Support Program/MEEA, Chicago, IL, Amended 2018 IECC
- Nicole Westfall, Building Policy Associate, MEEA, Chicago, IL, Amended 2018 IECC
- Josh Campbell, Executive Director, MO Energy Initiative, Columbia, MO, 2015 IECC
- Eric Wright, Planner, Missouri Division of Energy, Jefferson City, MO, 2009 IECC
- Suzanne Luther, Founder, Four Quarters Art House LLC, Jefferson City, MO, 2009 IECC
- Matt Belcher, Verdatek Solutions, LLC/ Code Consultant for Ameren Missouri's Energy Code Support Program, Maryland Heights, MO, 2009 IECC
- Gretchen Waddell Barwick, Assistant Chapter Director/Sierra Club Missouri, St. Louis, MO, Amended 2018 IECC
- Emily Andrews, Executive Director/USGBC Missouri Gateway Chapter, St. Louis, MO, Amended 2018 IECC
- Sara Ferrill, Code Enforcement Specialist, City of Columbia, MO, 2015 IECC
- Daryl Brown, Building Inspector, City of Columbia, MO, 2015 IECC
- Jessica Deem, Architect and Owner/Virescent, St. Louis, MO, Amended 2018 IECC

Online:

- Alex Scharf, Assistant Vice President for Public Policy/Home Builders Association of St. Louis & Eastern Missouri, St. Louis, MO, Amended 2018 IECC
- Aaron Olson, President, ECOcentrix Consultants, St. Louis, MO, Amended 2018 IECC
- Mollie Olson, ECOcentrix Consultants, St. Louis, MO, Amended 2018 IECC
- Paul Englert, Weatherization Specialist, Spire, Greater St. Louis region
- Richard Reilly, Energy Programs Manager/EarthWays Center, St. Louis, MO, Amended 2018 IECC
- Mike Ford, Program Coordinator, Southface Energy Institute, Atlanta, GA, Amended 2009 IECC
- Zachery Ambrose, Program Manager, Performance Systems Development, Chicago, IL, 2018 IECC
- Jeff Friedrich, Project Manager/Ameren Missouri, St. Louis, MO, Amended 2018 IECC

- IV. Ameren Missouri Residential Energy Code Support Program Update
 - Overview of the Program
 - Code Compliance Collaborative
 - i. Focus is on compliance – facilitate discussion so all professions have the same understanding of local energy codes and how they are implemented
 - ii. Hoping to engage a diverse range of individuals/groups that work with the energy code

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- iii. Collaborative will travel throughout Ameren's territory in order to engage professions throughout the territory – useful to identify similarities and differences and level of compliance assistance between areas
- iv. Recap of meeting on April 24, 2019
- v. **Next meeting: Wednesday, October 16, 2019 – Missouri Botanical Garden**
- Energy Code Consultant – Matt Belcher
 - i. Travels around Ameren's territory proactively engaging stakeholders, providing information about the program, answering questions and providing energy code support
 - ii. Report from the Field
 - 1. Interacted with 210 professionals across the territory
 - 2. Broad swath of professionals –percentage of professions ranked by number in order: builders, supply houses, code officials, educators, lenders, architects, state and local govts
 - a. Recommendation to work with more local leaders, historic renovators, HVAC subcontractors, Non-profits, Low-income housing advocates, Universities
 - 3. Key Compliance Challenges Discussed – see discussion section for full list
 - 4. Next steps
 - a. Will host an informal 1-hour class on the 2018 IECC – start with code officials in the City of St. Louis and then expand outward
 - i. Classes begin early August and go through end of August
 - b. Working with builder supply houses to engage builders – might have an opportunity to disseminate program information through supply houses
 - c. Actively recruiting professionals to attend the August trainings in St. Louis and Cape Girardeau
- In-person trainings – Southface Energy Institute
 - i. Trainings are Free and focused on building science, best practices, introduction to energy code requirements
 - ii. Recap of May Residential Energy Code Concepts Training
 - 1. 51 professionals attended – broad mix, over half were architects and code officials
 - 2. Great feedback from attendees – 9.5/10
 - 3. Recommended future topics- 2018 IECC, Ventilation, Moisture Management, Existing Buildings, HERS and Code Compliance, Solar Energy
 - iii. Upcoming Trainings
 - 1. 2 more trainings in Program Year 1:
 - a. **August 20, 9:00am – 3:00pm**
HBA of St. Louis & Eastern Missouri, St. Louis, MO

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[Register Here](#)

b. August 21, 9:00am – 3:00pm

Drury Plaza Hotel, 3351 Percy Dr. Cape Girardeau, MO

[Register Here](#)

- Recruitment for training
 - i. Focus is on promoting the training in Cape Girardeau
 - 1. Have some leads on code officials and Architects in that area
- Next Steps
 - i. Working with Southface to develop 2018 IECC/air sealing and ventilation training for 2020
- V. Discussion| Goals of the Collaborative
 - Questions
 - i. What challenges are you experiencing with compliance in the field?
 - 1. House as a system (ventilation, air sealing, moisture management)
 - 2. HVAC Oversizing
 - 3. 2018 IECC Implementation, lack of energy code consistency, existing economic stakeholders
 - 4. Existing Buildings/Retrofit
 - a. Historic buildings exemption
 - 5. Basement Insulation
 - 6. Insulation Installation
 - 7. Duct Leakage
 - 8. Consumer knowledge
 - a. Home rehabs
 - ii. What are the top 3 challenges out of the list above? (# of votes)
 - 1. **House as a system (ventilation, air sealing, moisture management) – (13)**
 - 2. **2018 IECC Implementation, lack of energy code consistency, existing economic stakeholders – (12)**
 - 3. **Existing Buildings/Retrofit – (6)**
 - 4. **Consumer knowledge – (6)**
 - 5. HVAC Oversizing – (5)
 - 6. Insulation Installation – (2)
 - 7. Duct Leakage – (2)
 - 8. Basement Insulation – (0)
 - iii. What is needed to improve compliance with these challenges? Who are the key stakeholders?
 - 1. House as a system:
 - a. Value add/benefits
 - b. Liability protection (builders)
 - c. Key stakeholders: HVAC contractors important, but includes all stakeholders from design professionals to subcontractors

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- d. Code consistency is important (between energy code and other codes and across jurisdictions)
 - e. Improve understanding of building science
 - f. In rural areas, engage utilities
 - g. Engage stakeholders from health and buildings industry (healthy homes) to demonstrate connection
 - h. Provide specific technical information on ventilation
 - i. Learn from other states/jurisdictions
 - j. Universities/community colleges – student representatives
 - k. Educate homeowners on moisture management/ventilation
 - l. Realtor training
 - m. Assessors/ appraisers understanding of EE (trainings); identify green appraisers/lenders
- iv. Discussion for next meeting
 - 1. How to address compliance challenges with the following:
 - a. 2018 IECC Implementation, lack of energy code consistency, existing economic stakeholders
 - b. Existing Buildings/Retrofit
 - c. Consumer knowledge
- v. New Opportunities
 - 1. Ameren MO Real Estate and Appraiser Training Program
 - a. Program Length: September 1, 2019 – December 31, 2021
 - b. Program Components
 - i. Real Estate and Appraiser Subcommittee
 - ii. Outreach to Realtors and Appraisers
 - iii. 7 Green Realtor Courses
 - iv. 3 Green Appraisal Courses
 - v. Collaborate with Missouri Home Energy Certification (MHEC)
 - 2. Code Collaborative Subcommittees
 - a. Commercial Subcommittee
 - b. Real Estate and Appraiser Subcommittee
 - c. Existing Building Subcommittee