Residential Energy Code Support Impact

Jeffrey Friedrich
Program Manager
Residential Energy Code Support Program
Overview of Program

• Code Compliance
• Does not seek to change codes
• Missouri has no state-wide energy code
• Code adoption closely follows population density
• https://www.amerenmissourisavings.com/codesupport
Overview of Program

• Code Compliance Collaborative
  o Space for residential construction professionals to discuss opportunities and barriers to energy code compliance

• Energy Code Consultant
  o Proactively engages building industry to educate, investigate and improve energy code understanding in a small group or 1-on-1 setting

• In-Person & Virtual Classroom Training
  o Full & partial day training focused on the what, why and how of the residential energy code
The Team

- Ameren Missouri
- Franklin Energy Services
- MEEA
- Verdatek
- Southface Energy Institute
Key Program Supporters

• Missouri Division of Energy
• St. Louis and Jefferson City Home Builders Associations
• City of St. Louis
• Missouri Sierra Club
• Missouri Botanical Garden – Earthways Center
• USGBC Missouri Gateway Chapter
• Missouri Association of Building Officials and Inspectors
• AIA St. Louis
Collaborative

• Held quarterly in-person and virtual meetings
  • 6 meetings held to date (St. Louis, Jefferson City, Virtual)
  • Average of 20 attendees per meeting
• Engaged local leaders in critical industries
• Identified key compliance challenges
• Provided critical feedback and supported program growth
Training

• Developed Targeted Curricula
  • 6-hour trainings (AIA, ICC, BPI CEUS were available)
    • *Residential Energy Code Concepts and Construction Techniques*
    • *A Systems Approach to Higher Performing Homes*
    • *Improving Efficiency, Comfort and Health in Existing Homes*

• Held seven in-person trainings throughout the territory
  • St. Louis (4), Jefferson City (2), Cape Girardeau

• Averaged 24 attendees per training

• Virtual Trainings beginning October 27
Training Feedback

• Customer Satisfaction – 9.5 out of 10 average score

• “Great class! And teachers. I'd definitively recommend this training!”

• “I got more out of this seminar than probably any other that I've attended in recent memory.”

• “Real world application for codes well conveyed”

• “The info gained will be used (almost) daily”

• “More code officials, builders, and subs should attend this class”

• “It wasn’t over my head, easily understandable”
Energy Code Consultant

• Engaged with 1012 professionals in small groups or 1-on-1
• Provided technical assistance, distributed resources, promoted the program
• Established partnership to promote program in material supply houses
• Developed 1-hour 2018 IECC Primer Training
  • Provided critical training to City of St. Louis (2019)
  • Delivered to 223 professionals
COVID Impacts

Change to virtual – by the numbers
2020

Total participants: 791

- In-Person
- Email
- GoToWebinar
- Microsoft Teams
- Skype
- Conference Call
- FaceTime
- LinkedIn
- One-on-One Phone
- Zoom
Code compliance

Statistics
Program | Total Participants

1524 Professionals

- Builder/Trade: 536
- Code Official: 77
- Consultant: 243
- Design Professional: 16
- Education: 11
- Energy Rater: 50
- Government: 58
- Lender: 16
- Manufacturer/Supply House: 253
- Non-Profit: 94
- Other: 26
- Real Estate: 132
- Utility: 12

Program conservatives

Ameren Missouri
Program | Locations Served
Real Estate Energy Audits Review

Jeffrey Friedrich
Program Manager
Real Estate Energy Audits
Program launch

• Went live in late 2019

• Immediately faced COVID challenges

• Pivoted to utilize the Energy Code Consultant to promote the program

• Added an additional incentive for home owners

• https://www.amerenmissourisavings.com/realestate
Overview of Program

• Incentives
  o $200 audit coupons are distributed to agents and appraisers attending education courses. They can provide these coupons to clients who can use them to defray the cost of a Certified Energy Auditor.
  o $50 incentive for home owners to perform a self audit – adjusted for COVID

• Realtor Education
  o Discounted CE course – National Association of Realtors’ Green Designation

• Appraiser Education
  o Discounted CE courses – Intro to Green Building and Case Studies in Appraising Residential Green Buildings
The Team

Ameren Missouri

Franklin Energy Services

MEEA

Appraisal Institute Chapter

Realtor Associations

Appraisal Institute

National Association of REALTORS®
Realtor Outreach and Progress

• Conducted outreach to all 20 realtor associations within Ameren Missouri’s service territory

• Columbia Board of Realtors has scheduled a course for October 13\textsuperscript{th} and 14\textsuperscript{th}, 2020

• Aiming to have St. Louis Association of Realtors host 2 courses in 2020

• Southeast Missouri Association of Realtors is discussing the course with their planning committee and will likely host a course in 2020
Appraisal Courses

• 2-day course was held with instructor Sandy Adomatis in St. Louis, MO. In total, 16 appraisers were trained.
  • Day 1 – Introduction to Green Building
  • Day 2 – Case Studies in Appraising Residential Green Buildings

• Working to schedule 2021 course
Feedback

• Rate the instructor – 4.8/5 average response

• How likely are you to use and apply the knowledge gained through the course – 4.6/5 average response

• Majority of attendees found content to be applicable to the MO housing stock