

Residential Energy Code Support Impact

Jeffrey Friedrich
Program Manager

Residential Energy Code Support Program



Overview of Program

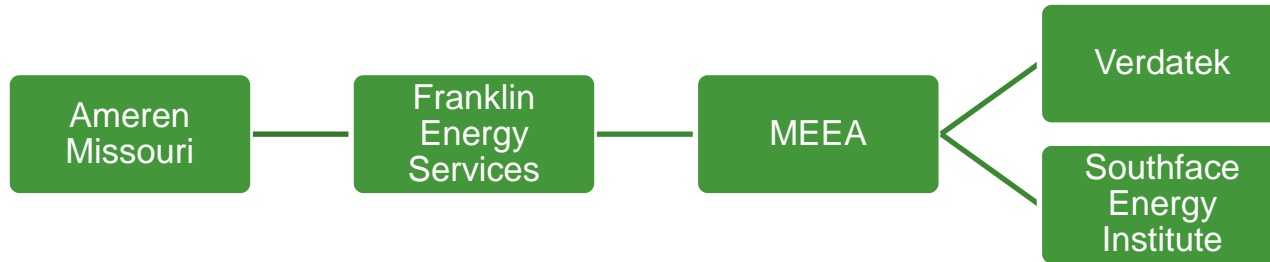
- Code Compliance
- Does not seek to change codes
- Missouri has no state-wide energy code
- Code adoption closely follows population density
- <https://www.amerenmissourisavings.com/codesupport>

Overview of Program

- Code Compliance Collaborative
 - Space for residential construction professionals to discuss opportunities and barriers to energy code compliance
- Energy Code Consultant
 - 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
 - Full & partial day training focused on the what, why and how of the residential energy code



The Team



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 definitely 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

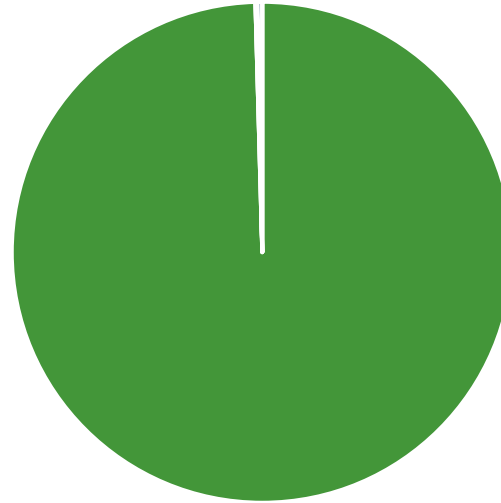


COVID Impacts

Change to virtual – by the numbers



2019

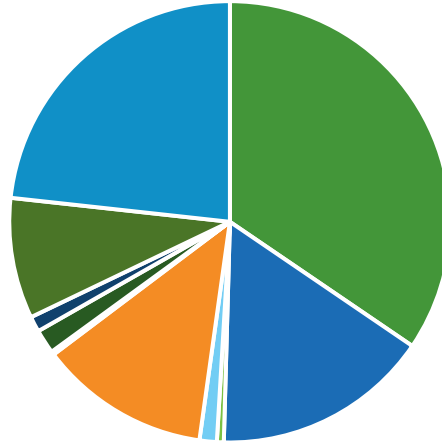


Total
Participants:
688

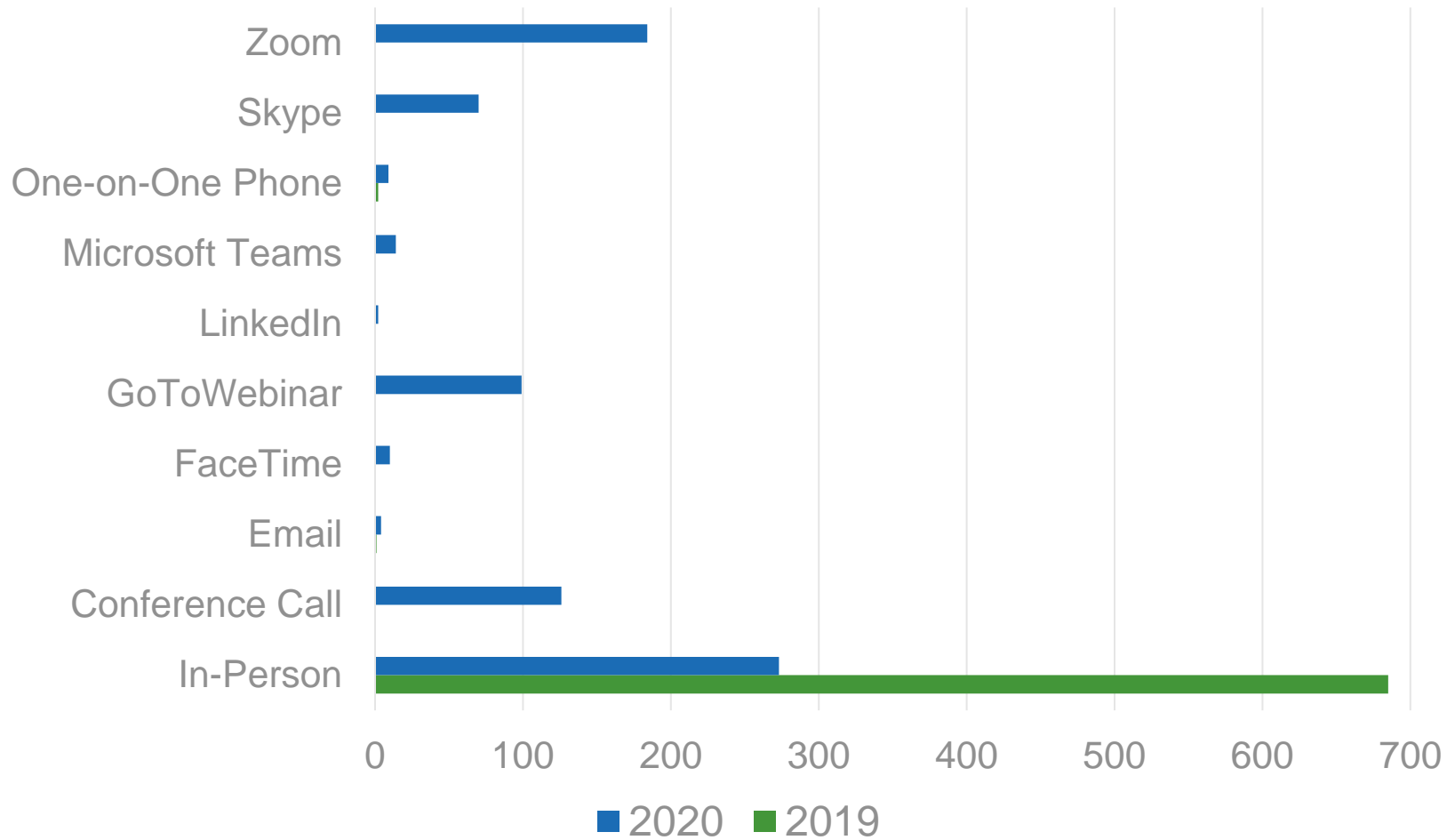
- In-Person
- Conference Call
- Email
- FaceTime
- GoToWebinar
- LinkedIn
- Microsoft Teams
- One-on-One Phone
- Skype
- Zoom

2020

Total participants: 791



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

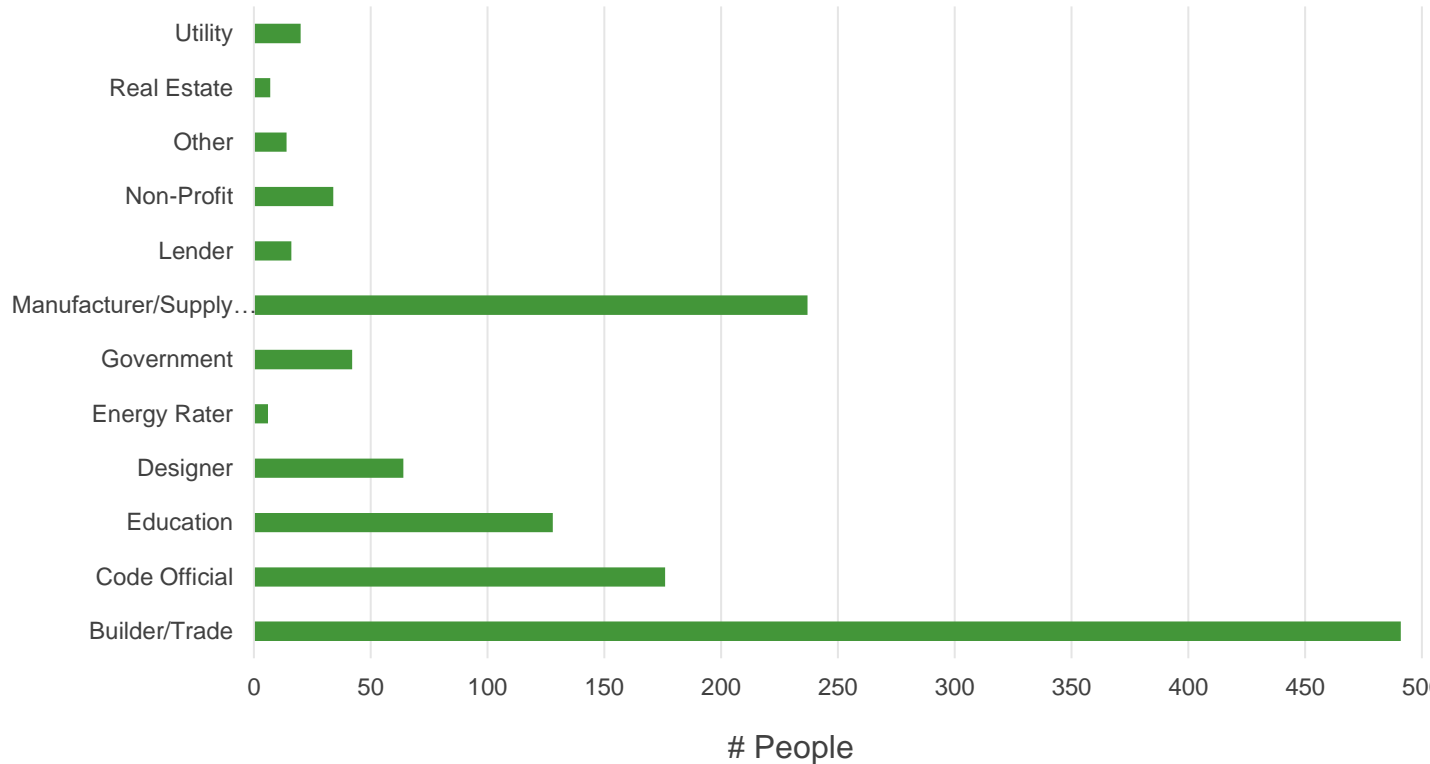


Code compliance

Statistics

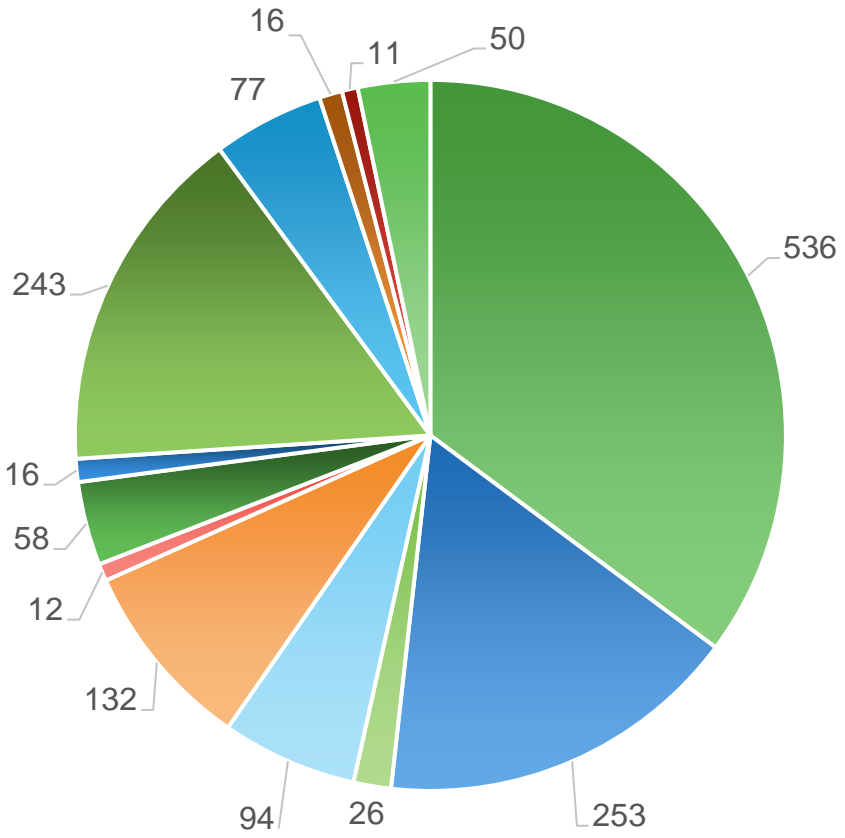


Professionals Engaged



Program | Total Participants

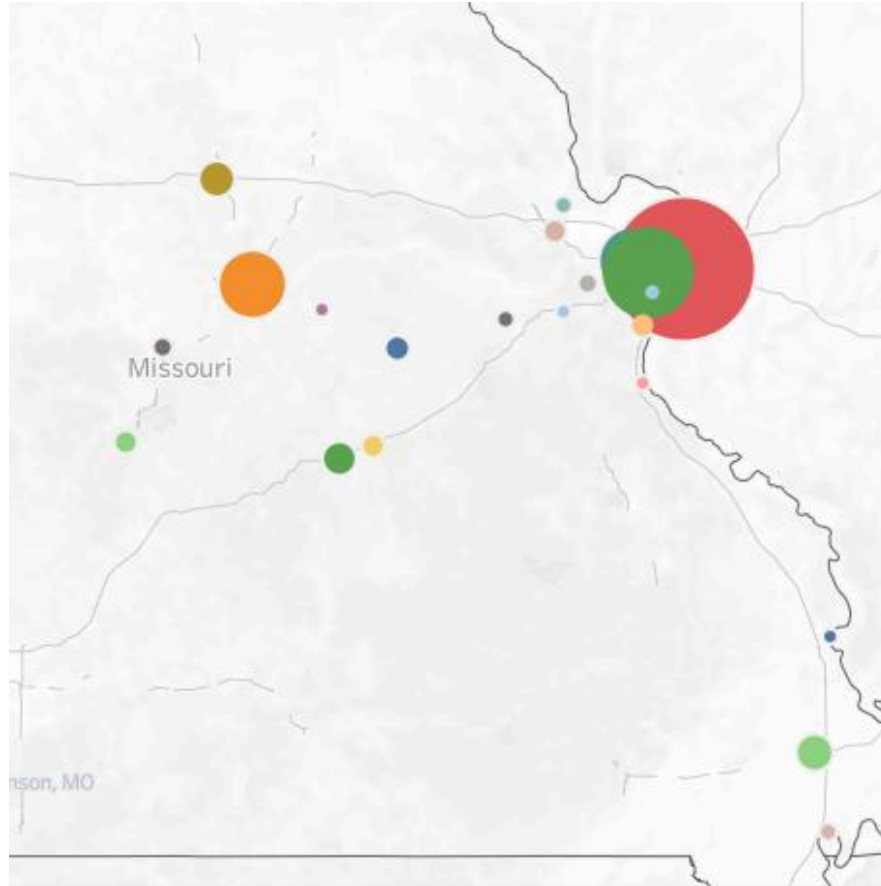
1524 Professionals



- Builder/Trade
- Code Official
- Consultant
- Design Professional
- Education
- Energy Rater
- Government
- Lender
- Manufacturer/Supply House
- Non-Profit
- Other
- Real Estate
- Utility



Program | Locations Served



City

- Affton
- Arnold
- Brentwood
- Camdenton
- Cape Girardeau
- Columbia
- Crestwood
- Creve Coeur
- Crystal City
- Eldon
- Fenton
- Jefferson City
- Kirkwood
- Linn
- Maryland Heights
- New Madrid
- O'Fallon
- Owensville
- Pacific
- Richmond Heights
- Rock Hill
- Rolla
- Sikeston
- St. James
- St. Louis
- St. Paul
- Sunset Hills
- Town N Country
- Union
- Wildwood



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>

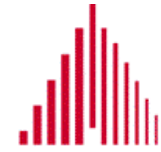
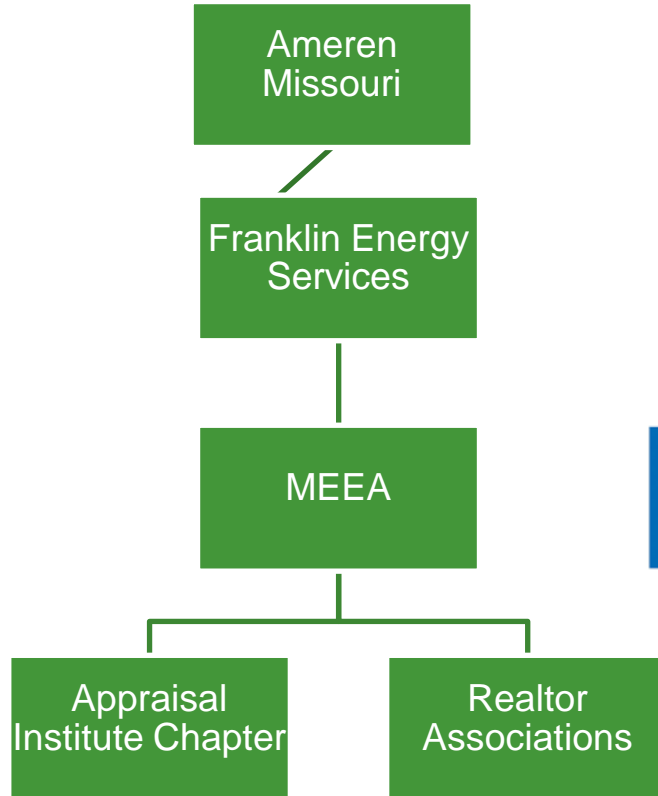


Overview of Program

- Incentives
 - \$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.
 - \$50 incentive for home owners to perform a self audit – adjusted for COVID
- Realtor Education
 - Discounted CE course – National Association of Realtors' Green Designation
- Appraiser Education
 - Discounted CE courses – Intro to Green Building and Case Studies in Appraising Residential Green Buildings



The Team



**Appraisal
Institute™**

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Real Estate Solutions*



**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 13th and 14th, 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



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