

Ameren Missouri Energy Codes Compliance Collaborative

September 17, 2020

Residential Energy Code Support Program



Safety 101: Christmas Tree Safety

- Make sure the tree is at least three feet away from any heat source, like fireplaces, radiators, candles, heat vents or lights
- Make sure the tree is not blocking an exit
- Replace any string of lights with worn or broken cords or loose bulb connections
- Get rid of real trees after Christmas or when it is dry



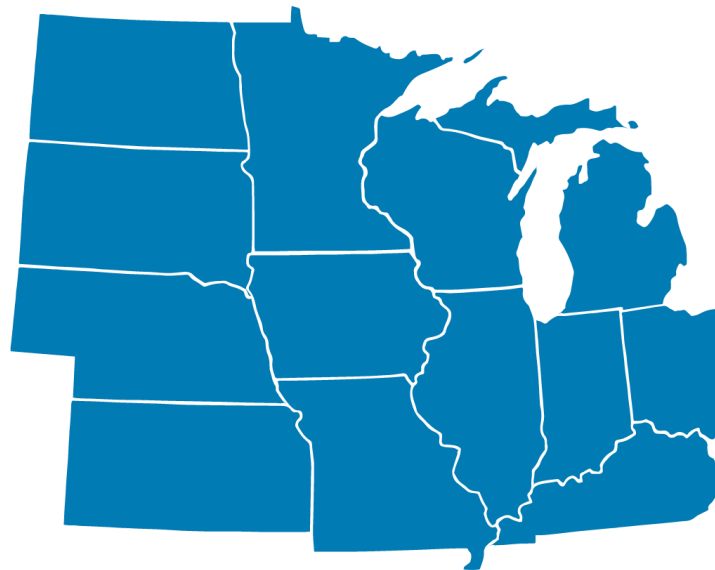
Source: <https://www.nfpa.org/-/media/Files/Public-Education/Resources/Safety-tip-sheets/ChristmasTreeSafetyTips.ashx>

Agenda

- Introductions
- Real Estate Program Update
- Code Support Program Update
- Discussion: Air Sealing and Ventilation
- Discussion: 2021 Goals for the Collaborative

About MEEA

- We are a nonprofit membership organization with 160+ members including:
 - Utilities
 - Research Institutions and advocacy organizations
 - State and local governments
 - Energy efficiency-related businesses
- As the key resource and champion for energy efficiency in the Midwest, MEEA helps a diverse range of stakeholders understand and implement cost-effective energy efficiency strategies that provide economic and environmental benefits



Introductions

- Name
- Organization
- Location

hello!

Real Estate Program



Real Estate Program

- Recent courses (all virtual):
 - Green Designation with Columbia Board of Realtors – October 13th and 14th
 - Appraiser webinar on October 22nd
 - Wrapped up with trainings for the year, starting to think about trainings for early 2021

Homeowner Welcome Kit

- For new home buyers
- Includes:
 - Overview of benefits of an energy audit
 - List of certified energy auditors
 - \$200 home energy audit coupon
 - Home Energy Audits can currently only take place in unoccupied homes
 - General information

Email realestateaudits@mwalliance.org if you are interested in these materials.



Homeowner Self-Assessment

- Pivot due to COVID – homeowner apprehension to have contractors/auditors enter homes
- Worksheet designed to be completed by the homeowner to learn more about energy use in their home
- Ameren MO is offering a \$50 incentive to all residential customers who complete the self-assessment
- Homeowner receives a tailored list of recommendations based on responses



HOME ENERGY SELF-ASSESSMENT

Thank you for your interest in learning more about your home's energy use! This Home Energy Self-Assessment is designed to give you a better understanding of the energy efficiency of your home, including specific recommendations for ways to improve. This assessment should take no more than 45 minutes to complete. After completion, please mail or email the form to receive your custom recommendations and a \$50 incentive for your participation.

Your information

First Name: _____

Last Name: _____

Address: _____

City: _____ State: MO ZIP: _____

Phone: _____

Your home's information

How old is it?

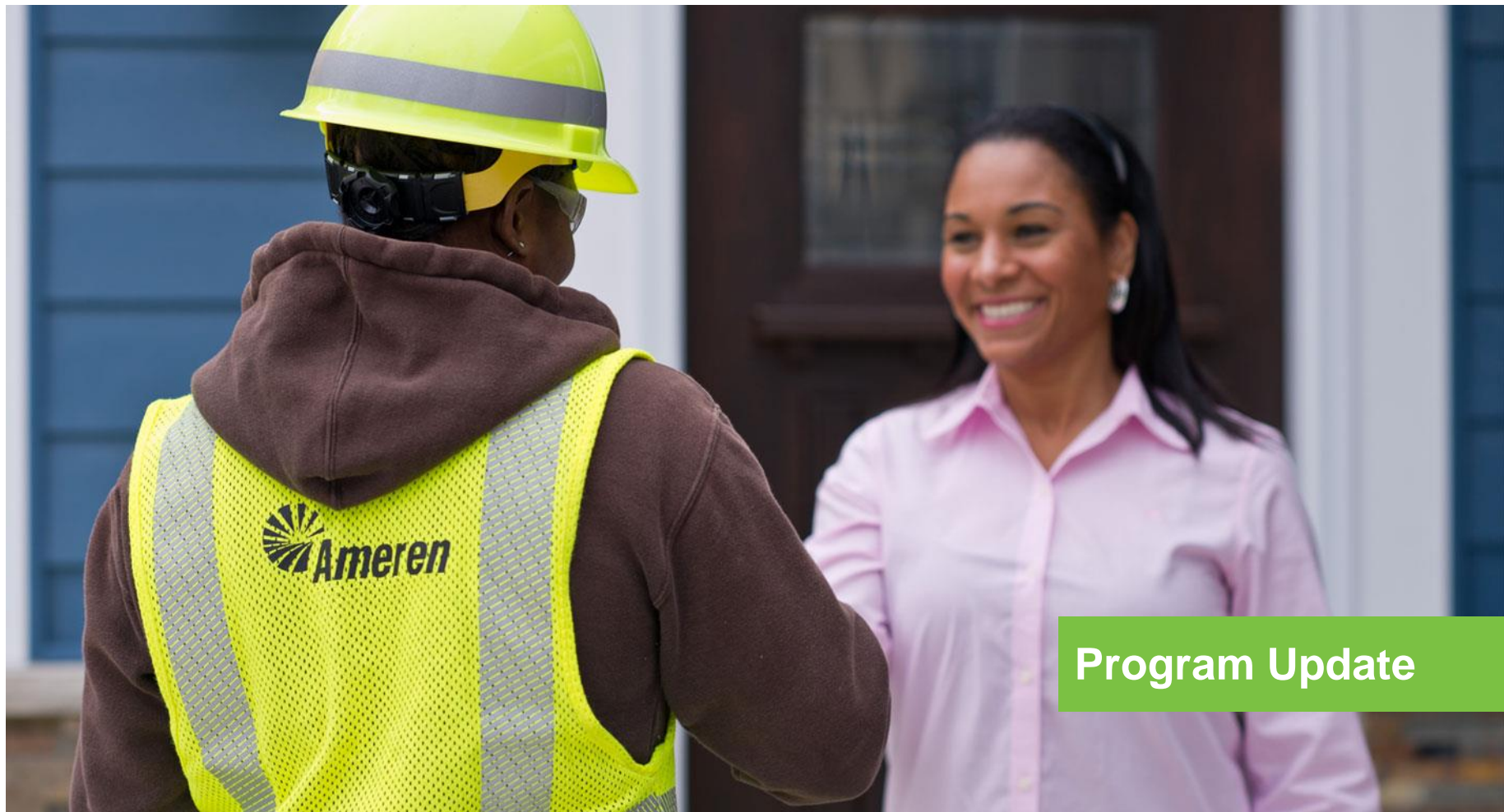
Do you know the type of insulation that is in your attic? If so, do you know the R-value of the insulation installed? (ex: R-49, R-60)

Take a look at some of the light fixtures. Are most of the light bulbs LEDs? Do you have incandescent lighting?

Homeowner Self-Assessment

- Interested in taking advantage of the self-assessment and \$50 incentive?
 - The PDF is downloadable here:
www.amerenmissourisavings.com/realestate
 - Email realestateaudits@mwalliance.org with any questions or to receive a copy of the self-assessment.





Program Update

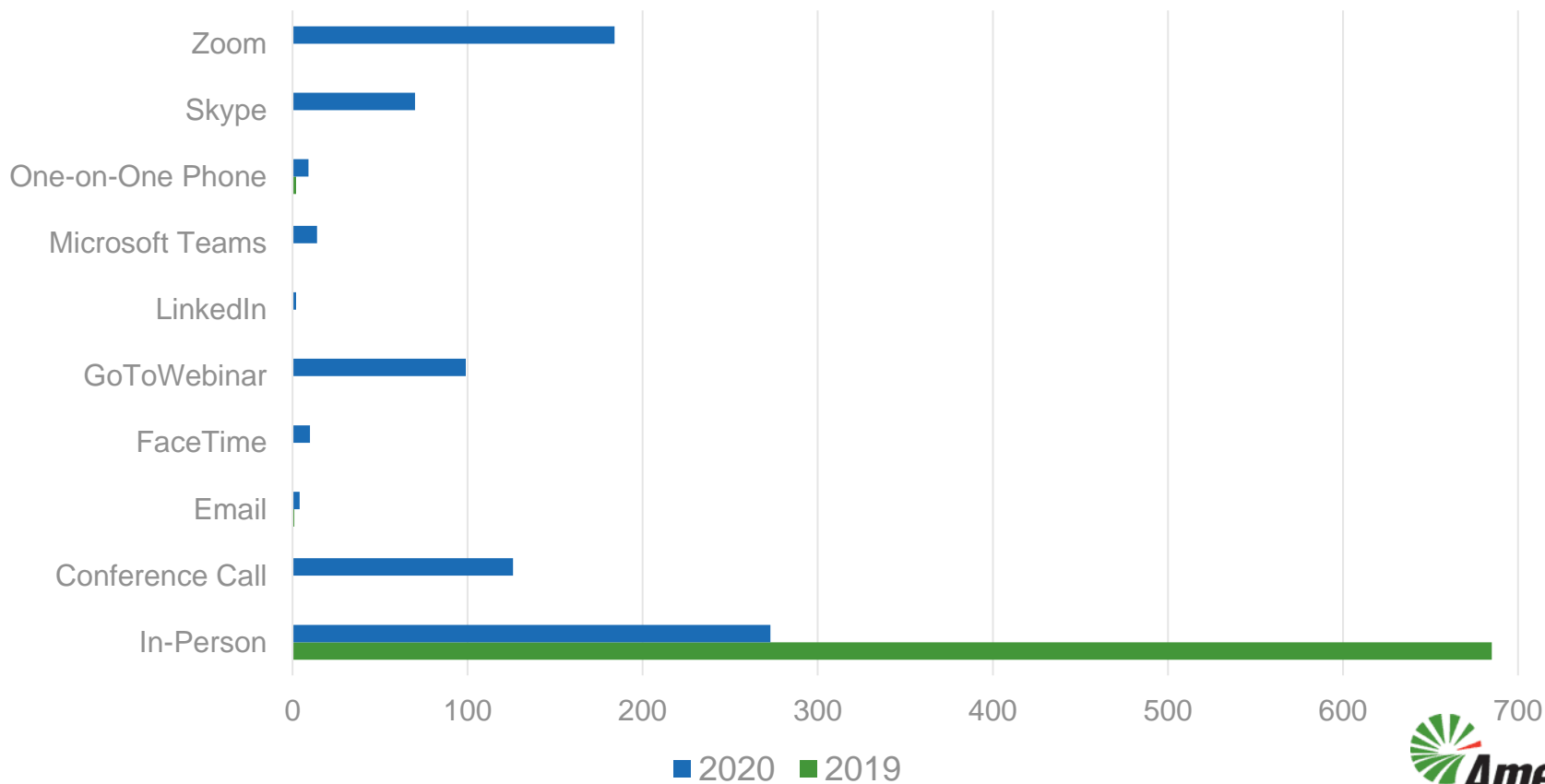
Overview of Program

- Classroom Training
 - Free, full day training focused on the what, why and how of the residential energy code
- Energy Code Consultant
 - Proactively engages building industry to educate, investigate and improve energy code understanding in a small group or 1-on-1 setting
 - Delivers 1-hour trainings on energy code requirements
- Code Compliance Collaborative
 - Space for residential construction professionals to discuss opportunities and barriers to energy code compliance



Energy Code Consultant

- In-person meetings have resumed with COVID-19/social distancing safety protocols in place
- Majority of meetings continue to take place virtually
- 832 people engaged in 2020



Virtual 1-hour trainings

- Next virtual “1-hour” training scheduled for December 15
 - 11:30 a.m. – 1 p.m. via Zoom
 - Covering changes to the energy code, common challenges, and best practices
 - To register:
<https://zoom.us/j/91067212660?pwd=c2lTby9UNDZvMEdTTEhRWitxTE9sQT09>



Matt's Contact Information

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2020 Trainings

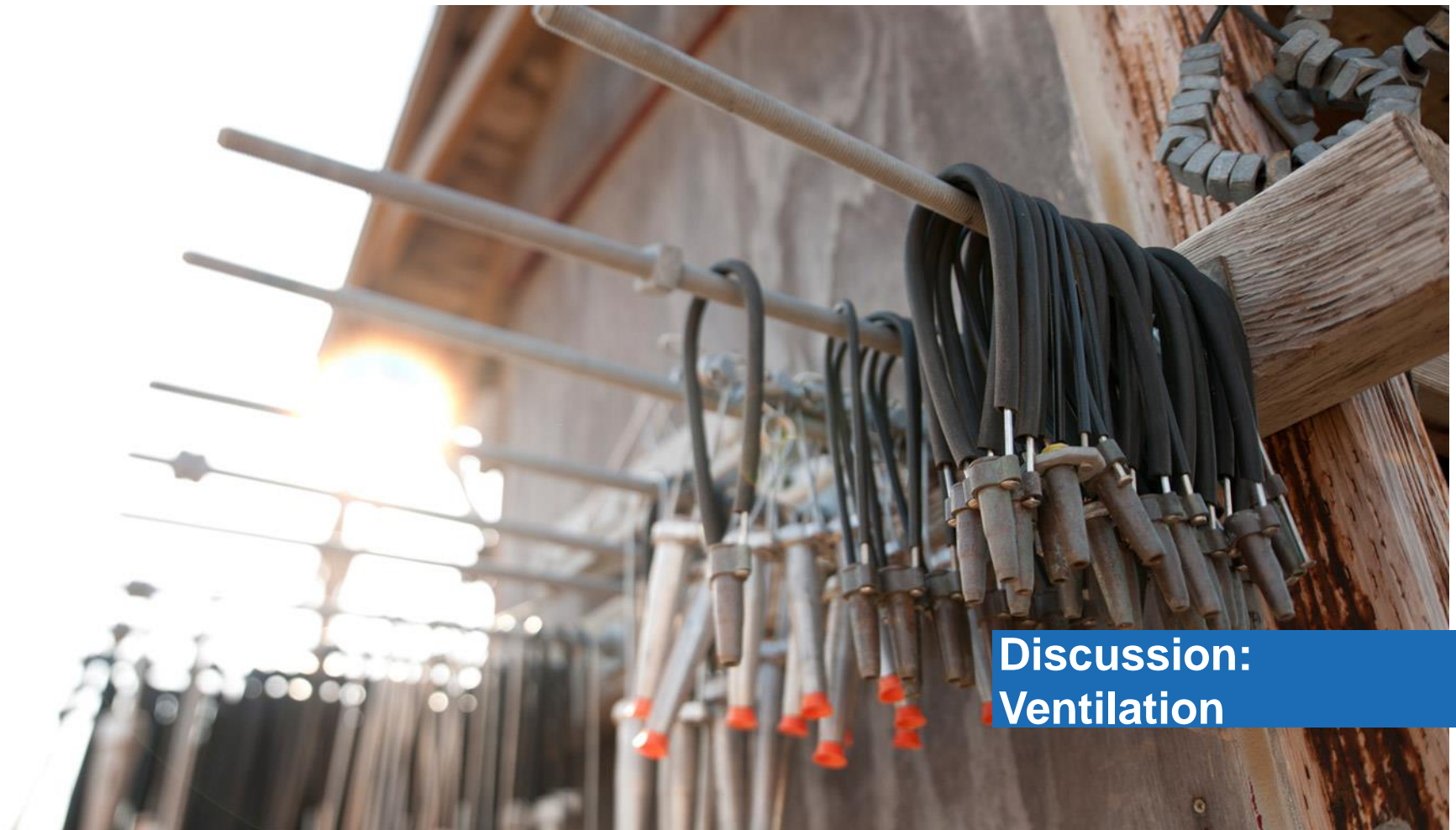
- Held three in-person trainings throughout the territory
 - January: St. Louis, Jefferson City - *A Systems Approach to Higher Performing Homes*
 - February: St. Louis - *Improving Efficiency Comfort and Health in Existing Homes*
- Three virtual trainings were held in the fall
 - October 27-29 - *Building Science Fundamentals*
 - November 10 - *New Energy Codes and High Performing Homes*
 - November 17 – *Impact of the Energy Code on Existing Homes*



2020 Trainings Feedback

- ~20 participants per training
- Average training rating: 9.2/10
- “Best detailed training I have participated in for quite some time”
- “Will be better equipped to answer questions regarding construction detail.”
- “These guys always present things so simply and clearly. I use their examples with clients to enhance understanding.”
- “Covers complex topics in a way that is easy to understand. Seems well tailored for a wide audience.”





Discussion: Ventilation

Ventilation Challenges and Opportunities



Next Steps

Top Compliance Challenges

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)

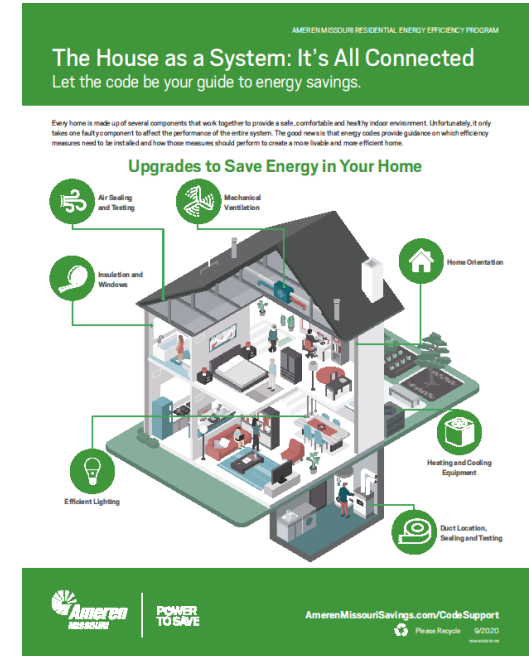
Topics for 2021 Trainings

- Curricula developed
 - *A Systems Approach to Higher Performing Homes*
 - *Building science application, 2018 IECC code requirements, best practices*
 - *Improving Efficiency Comfort and Health in Existing Homes*
 - *Best practices for retrofitting existing buildings*
 - *Building Science Fundamentals – Webinar Recordings*
- **What topics would you like to see covered in 2021 trainings?**



Educational Materials

- New Fact Sheets in 2020:
 - House as a System
 - HVAC Right Sizing
- In Development: Duct Sealing
- Other potential topics include: Existing buildings, basement insulation, efficient lighting
- What handout topics should we prioritize in 2021?

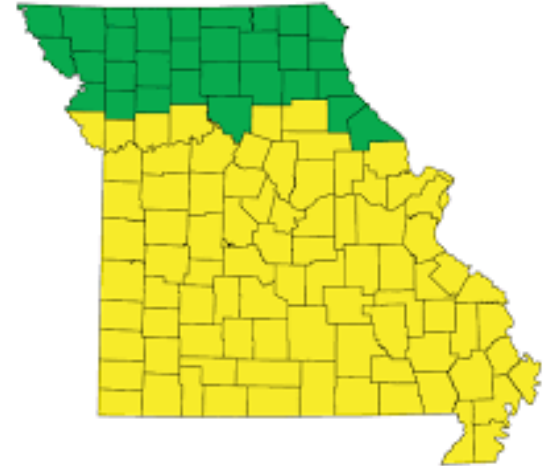


Midwest Collaborative Activities

- **IL:** Provided direction on residential and commercial baseline studies and development of code support program
- **MN:** Provided interpretation of code requirements
- **MI:** Funded research on code adoption barriers, created materials to improve compliance, funded training initiatives
- **NE:** Began engagement with colleges/technical schools

Collaborative priorities

- How can the collaborative continue to support code compliance efforts in 2021?
- What activities or goals should this group prioritize for the final program year?



Save the Date

- Next Collaborative Meeting
 - Tentative Date: Thursday, February 11, 2020
 - Location: Virtual
- Upcoming 1-hour Training
 - Tuesday, December 15, 2020 – 11:30am – 1pm
 - Register:
<https://zoom.us/j/91067212660?pwd=c2lTby9UNDZvMEdTTEhRWitxTE9sQT09>



Contact Information

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