

Ameren Missouri Energy Codes Compliance Collaborative

May 19, 2020

Residential Energy Code Support Program



Safety 101: Electric Safety (while working from Home)

- Avoid overloading outlets
- Regularly inspect electrical cords and extension cords for damage
- Plug in smartly. Make sure cords do not become tripping hazards
- Keep papers and other potential combustibles at least three feet away from space heaters and other heat sources
- Make sure you use proper wattage for lamps / lighting
- Make sure your home has smoke alarms. Test them monthly, change batteries yearly, and replace the unit every 10 years

Source: <https://www.esfi.org/resource/electrical-safety-while-working-from-home-757>

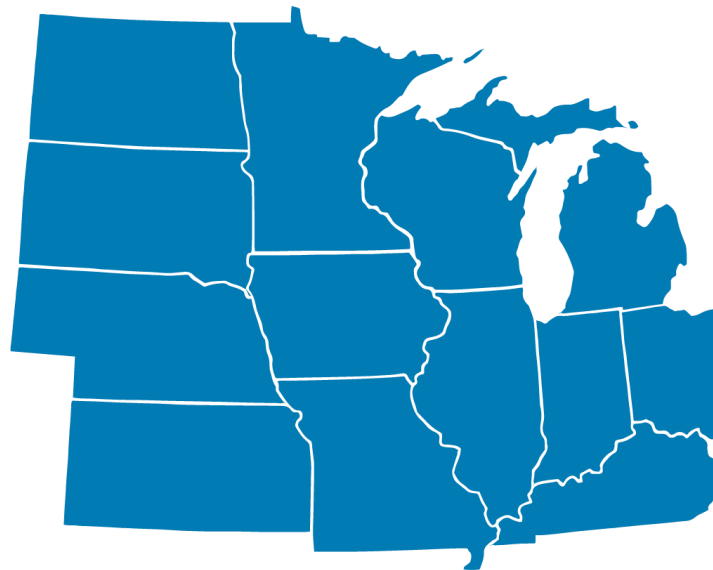


Agenda

- Introductions | 15 min
- Program Update | 20 min
- Discussion: COVID-19 Impacts on Industry | 30 min
- Health and EE | 30 min
- Future goals for Collaborative | 25 min

About MEEA

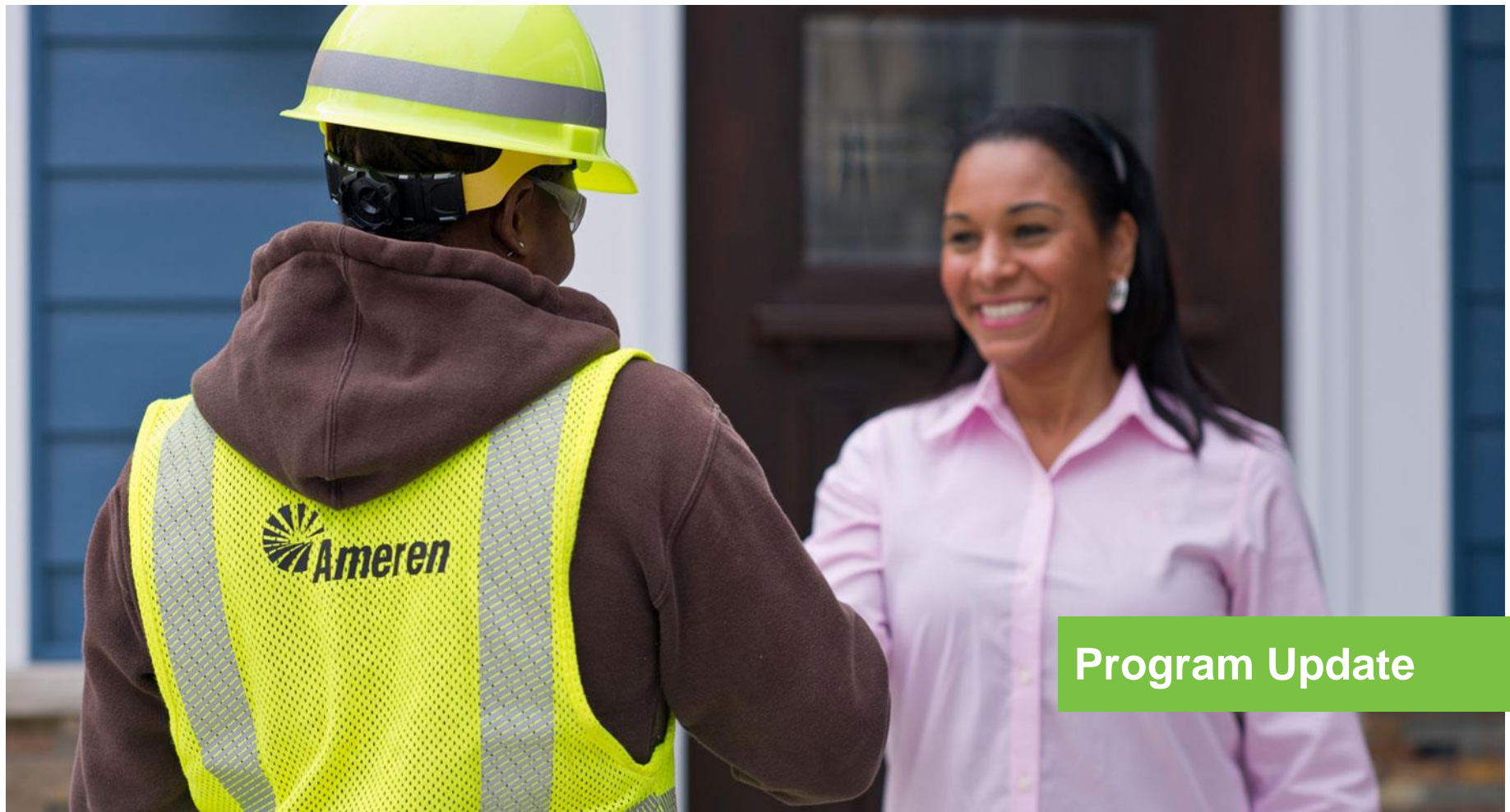
- We are a nonprofit membership organization with 160+ members including:
 - Utilities
 - Research Institutions and advocacy organizations
 - State and local governments
 - Energy efficiency-related businesses
- As the key resource and champion for energy efficiency in the Midwest, MEEA helps a diverse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



Introductions

- Name
- Organization
- Location





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



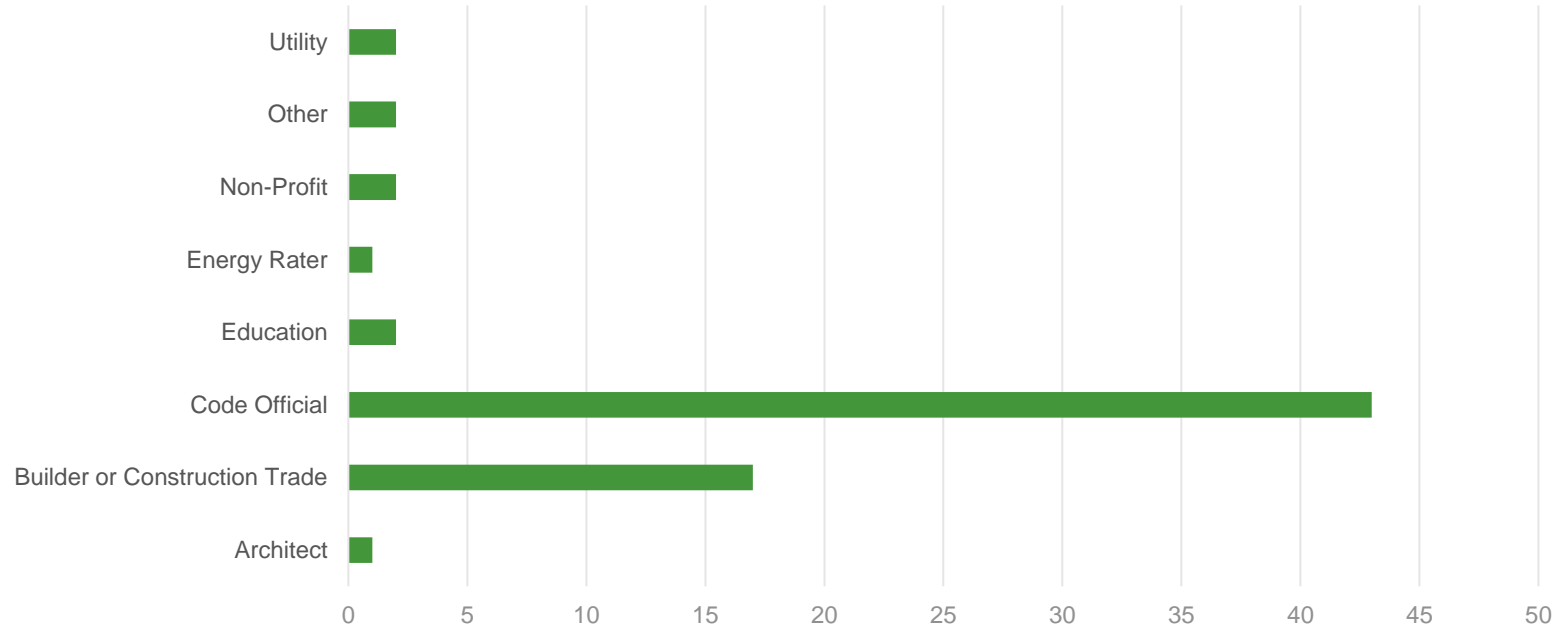
2020 Trainings

- New Curricula developed
 - *A Systems Approach to Higher Performing Homes*
 - *Improving Efficiency Comfort and Health in Existing Homes*
- Held three trainings throughout the territory in 2020 to date
 - January: St. Louis, Jefferson City
 - February: St. Louis

2020 Training Feedback

- Trained 70 professionals in 2020
- Average training rating: 9.6/10
- Feedback on new curriculum:
 - “More code officials, builders and subs should attend this class”
 - “Great instruction - excellent content”
 - “The info gained will be used (almost) daily”

2020 Training Attendees



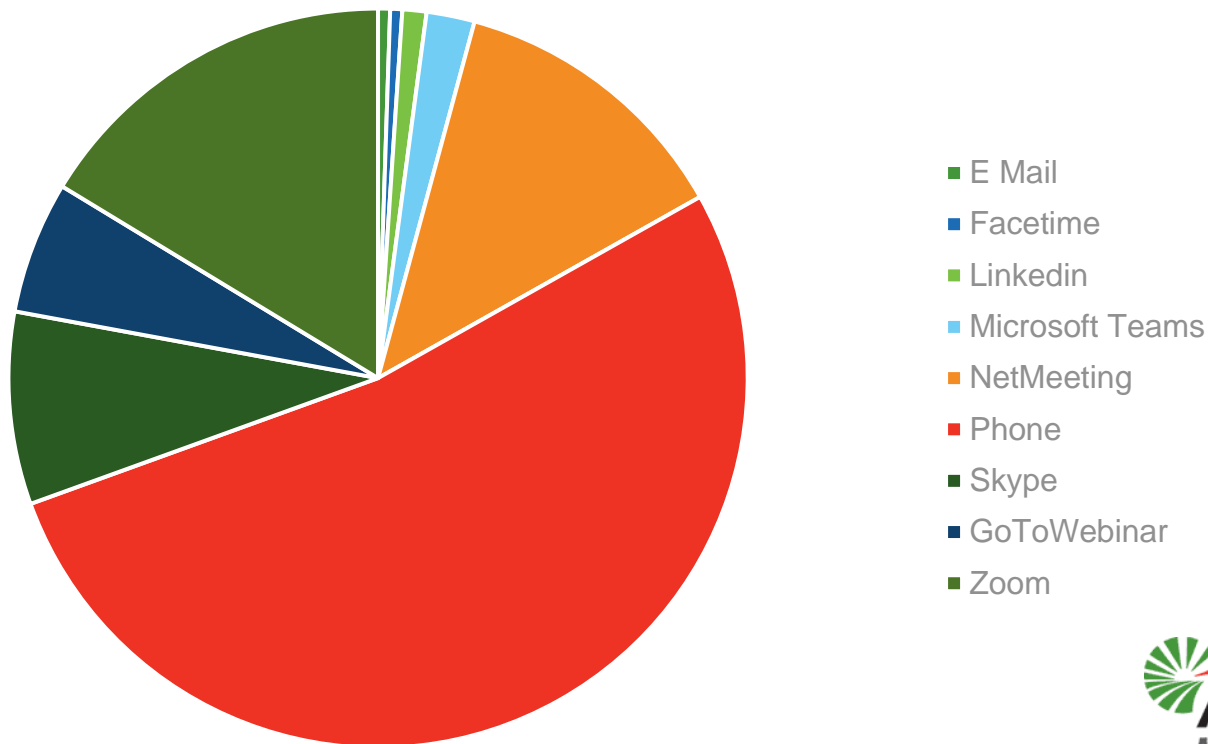
Tentative 2020 Training Schedule

- Three full-day trainings remaining in 2020
- Tentatively scheduled for week of October 26
 - Columbia, MO
 - Kirksville, MO (tentative)
 - To be determined

Energy Code Consultant

- Engaged with 331 professionals in small groups or 1-on-1 in 2020
- Provided technical assistance, distributed resources, promoted the program
- Delivered six 1-hour trainings on energy code basics

Virtual Energy Code Consulting



Virtual 1-hour trainings

- First webinar training held on April 30
 - Topics: Energy code basics, 2015/2018 IECC requirements, basic building science and best practices
 - 12 participants
- Second webinar scheduled for **June 3, 11 a.m. – 12:30 p.m.**
 - To register:
<https://attendee.gotowebinar.com/register/3834998008517053709>



Matt's Contact Information

Matt Belcher
Energy Code Consultant
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Real Estate Program

- 2-day course was held with instructor Sandy Adomatis on December 2nd and 3rd 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
- 2020 training scheduled for October 6th and 7th in Jefferson City, MO
- Green Designation Course
 - St. Louis Association of Realtors – August 6th and 7th, 2020
 - Columbia Board of Realtors - October 13th and 14th, 2020
- 3-hour training



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
 - General information

Email Natalia Gardocki at Ngardocki@mwalliance.org if you are interested in these materials.

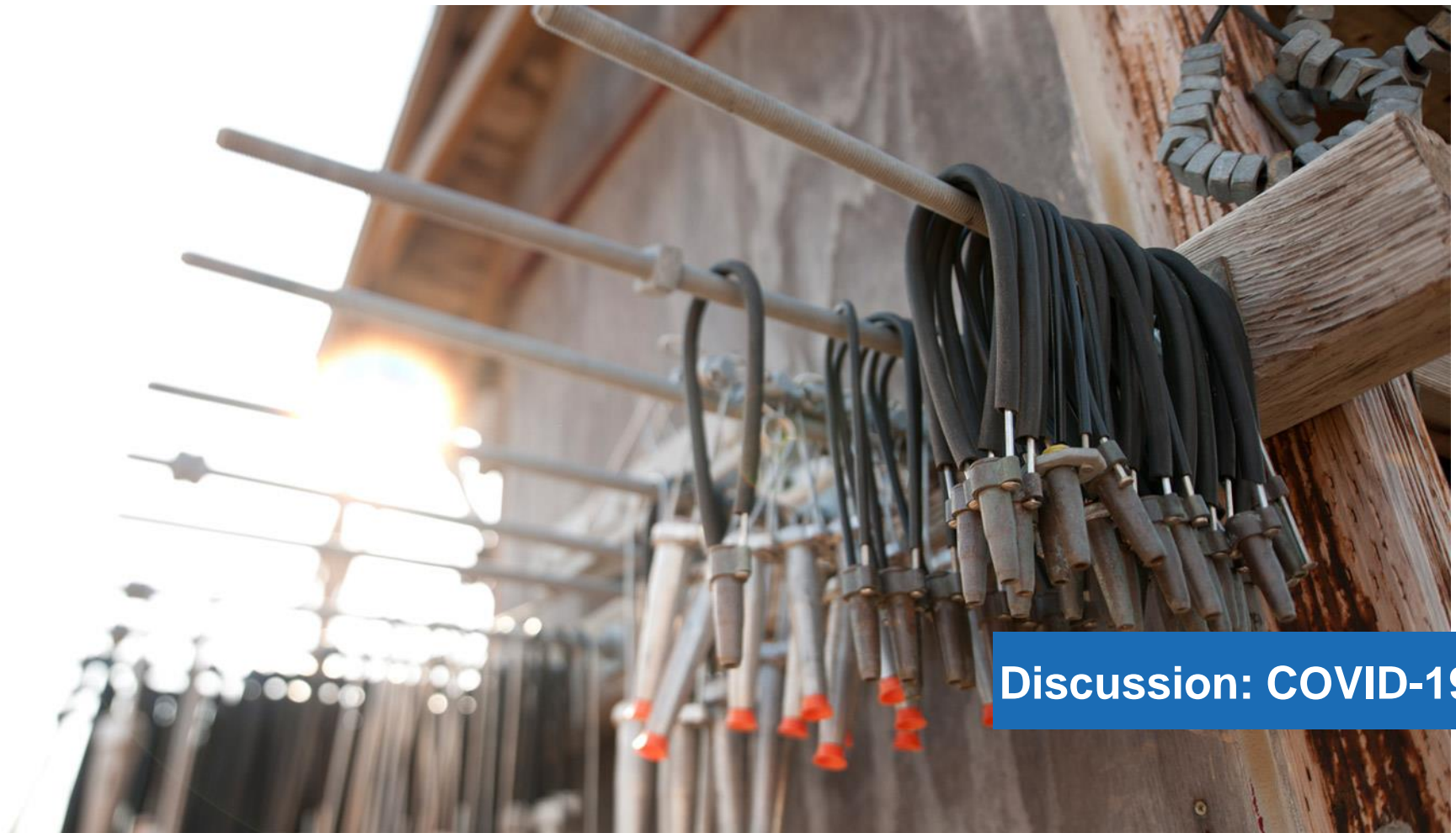


Collaborative Subcommittee | Engagement Opportunities

- Real Estate & Appraiser Subcommittee
 - Talk through strategies to ensure EE is valued during real estate transactions, including:
 - MLS green data fields
 - Realtor education, outreach and engagement
 - Valuation tools and methods
 - Energy disclosure

Email Kara Jonas at Kjonas@mwalliance.org if you are interested in joining





Discussion: COVID-19

COVID-19 Impacts

- In-person meetings and events suspended as of March 11
- Energy Code Consultant continues to conduct meetings virtually
- Energy Code Consultant 1-hour trainings delivered via webinar
- Collaborative meetings held virtually
- Full day trainings rescheduled for fall 2020
- Exploring opportunities for modified training to take place virtually



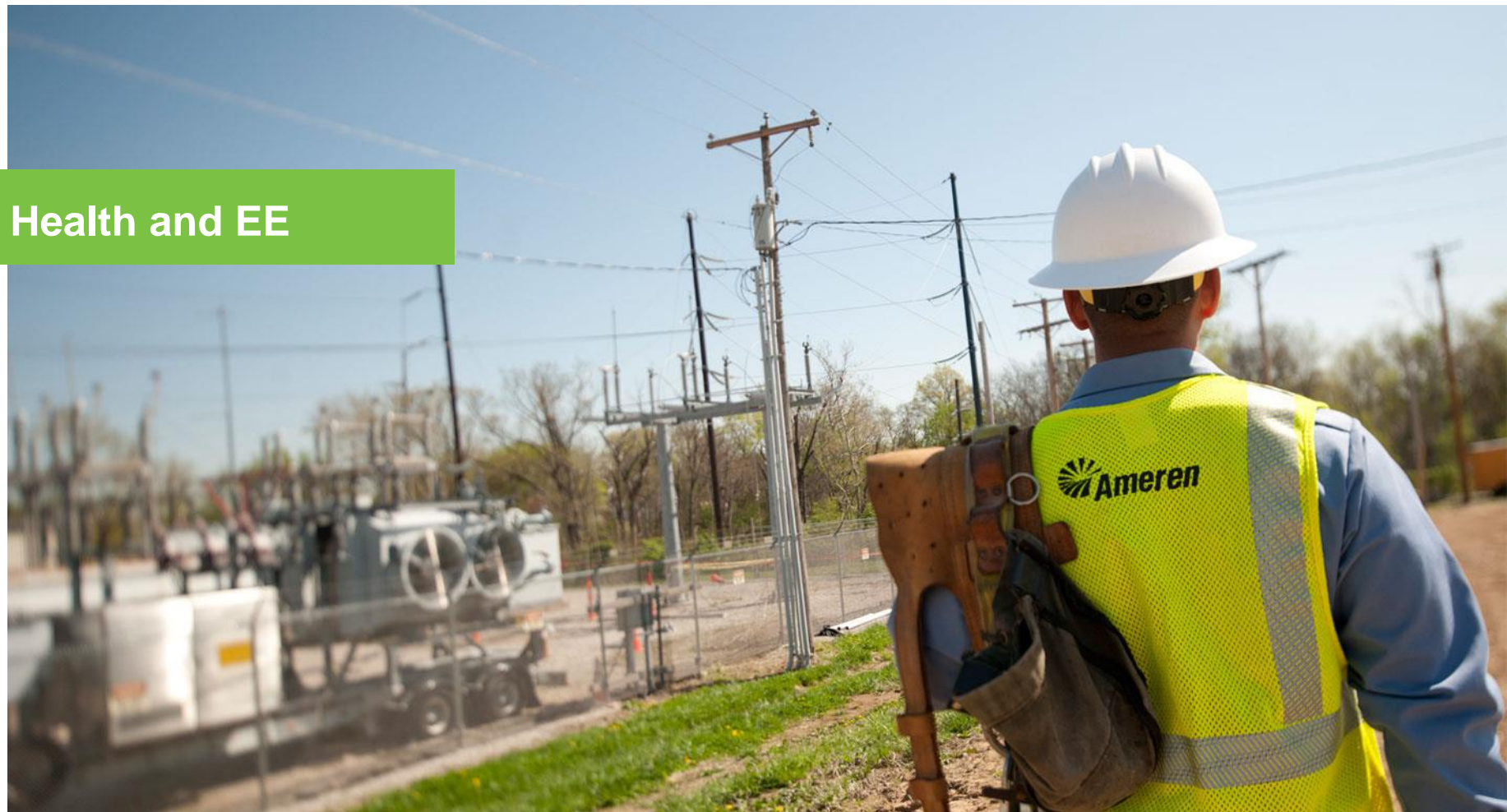
Midwest Impacts

- Modified Legislative Activity in Midwest
- Jurisdictions exploring opportunities for remote/virtual inspections and plan review
- Implementation of social distancing guidelines and reduction of on-site visits conducted daily
- Energy code effective dates postponed (St. Louis County)

Discussion Question

- How has COVID-19 impacted your work in the energy codes space?
- How will energy code enforcement and compliance efforts be impacted by this going forward?
- What can the collaborative do to continue to promote energy code compliance during this time?

Health and EE



St. Louis Healthy Homes and Energy Efficiency Coalition

- Assembly of multi-agency partners committed to a vision of promoting safe, healthy, equitable, and energy-efficient homes for St. Louis families
- Contact: STLHHEEC@gmail.com



Discussion: Health and EE

- How can we better incorporate health into discussions about code compliance?
- What other healthy homes-related initiatives are happening in MO?
- How can the collaborative get involved or support these efforts?



Next Steps

Recap of Collaborative Activities

- Discussed and identified top compliance issues in state
- Guest speaker: Ameren Missouri representative to speak on single and multifamily low-income programs
- Discussion on Health-related initiatives



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)

* Valuing Energy Efficiency

- Identified next step from last meeting: MEEA to identify how the program is addressing the value and benefit of energy codes/building energy efficiency for all consumers and what more can be done in this space
 - Educational material development: targeted to homeowners
 - Engaging real estate sector via Subcommittee
 - Energy Code Consultant Outreach and Trainings
 - Full trainings focused on building science/systems approach



Previously identified next steps:

- Create a shared document, include locations of where Matt visited to add recommendations on next places
- Reach out to individuals who will speak to collaborative about experiences with Residential Energy Code Support Program
- Engage with community partners
 - Roofing organizations
 - Neighborhood Associations
 - Universities
 - Municipalities

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

Save the Date: Next Collaborative Meeting

- Tentative Date: Thursday, September 19, 2020
- Location: Virtual
- In-person option to be determined

Contact Information

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