

Nevada Energy Code Collaborative Meeting Minutes

October 6, 2021

Recording of meeting:

<https://zoom.us/rec/share/kD79ByjfJA7ZPgvtNkKkGUE5h65mXMF9cN3bLn9D2VADIORpUD3-apmNyWzBROT.fNWPACOREn6sx0vO?startTime=1633550730000>

Welcome and Introductions!

21 stakeholders joined the 2021 quarterly collaborative online meeting.

The focus of this quarters meeting was addressing several building and code items presented to the collaborative leadership group, and upcoming opportunities in the state for the building industry.

Energy Code Track for 2023 EduCode (05:00 in the video recording)

Les Lazareck discussed opportunities to develop sessions for the 2023 EduCode training. The 2022 EduCode will be held in March 2022 and the sessions were developed in the second quarter of 2021. A discussion ensued on what type of classes would benefit the building industry in Nevada and could fit into the EduCode type of training.

During the fast-paced discussion these ideas percolated to the top of the list; Building science applications for residential, and for commercial buildings; energy code compliance needs; focus where least amount of compliance is occurring today, example where thermal boundary concept for plans and review is needed, break commercial code into sections – mechanical, lighting, insulation, etc; classes on new requirements being implemented across the country (EV infrastructure, all electric construction, indoor air quality); a hybrid approach where infield training is brought into the classroom thru recorded video from instructor.

Keeping the trades aware of how the codes have evolved. Making sure trades are aware. In some cases, the trades bid on a typical assembly/system from 10 years ago practices, but the designers are including new code requirements and technology into building plans. Many contractors/trades continue to bid their work based on outdated code requirements. Les said its still typical to see insulation contractors bid on projects with practices long sunset from the new codes. The next step to hold a stakeholder virtual meeting to gather more ideas of training needs for energy codes and standards and develop sessions with instructors for the 2023 EduCode.

2024 IECC Proposal Submittal Process (23:00 in the video recording)

An overview was provided to the collaborative on of how to submit a code change proposal for the 2024 residential and commercial IECC. ICC has set up a separate code proposal process with an IECC cdpAccess (online code development proposal system) where code change proposals can be submitted for the 2024 IECC. Earlier this year the ICC moved the IECC from the code development process to a standards development process. The IECC will be released as a code but developed under the standards process. Because of this the timeline is different than the other ICC Group B codes to submit change proposals. Information can be found at www.iccsafe.org/energy.

Jim shared Robin's slides from an ICC presentation on how to submit a proposal for the 2024 IECC. Kris, with ICC, mentioned there is an open call for members of the working groups that will deep dive into the details of the code proposals. Public participation is desired along with the code committee members. Information to sign up for the working groups are at: <https://www.iccsafe.org/products-and-services/codes-standards/energy/>.

2024 IECC code change proposals were due on October 12, 2021, but the public/industry can still participate in the 2024 IECC code development process by participating in the working groups.

How Does EV Energy Use Impact Building Energy Consumption (36:30 in video recording)

An open discussion on how EV energy use applies to the energy consumption of the building, especially from an energy modeling perspective. The collaborative discussed how some industry/government have different approaches to this question. The US DOE Zero Energy Buildings concept includes transportation energy when within a building. Also, when the electricity is separately metered its treated as an export rather than a load that needs to be offset by renewable energy.

References from the 2018 IECC were reviewed that discuss how energy use and vehicles apply in the IECC. In both the residential and commercial section of the IECC there are exceptions for energy used to recharge or refuel vehicles. From the I-code perspective exported energy to vehicles are not counted against a building's energy use.

Nevada energy code circuit rider (52:00 in video recording)

DOE is funding a circuit rider to support residential and energy code needs in Nevada. The circuit rider is typically an individual who works with building departments, designers, builders with target education on the energy codes and standards. The circuit rider meets with targeted groups to address specific code compliance questions. Its an audience focused support that is tailored to each unique concern.

Shaunna Mozingo with Mozingo Code Group is being contracted to support this effort through September 2022. If other funding sources become available, then the circuit rider can be transitioned to the other organization. Governors Office of Energy will be participating in a leadership role. We hope to have a webpage at their website discussing the circuit rider and how to reach for technical assistance.

An open discussion of how, or what is the best communication method, for the building industry to reach the circuit rider. Most voices from the virtual call said email is sufficient with a set response time. One week maximum was discussed as was current practice Shaunna supports in other states at 2 days to respond. The group likes either/both email and a web portal. Using these methods keeps a written record that can be shared with other members of the requesters team.

Information will follow in the near future about the circuit rider and how to request technical questions/assistance.

Federal Infrastructure Bill (1:16:00 in video recording)

Robin Yochum, Energy Program Manager, Governor's Office of Energy prepared the presentation but had a last-minute urgent need and could not participate in the quarterly meeting. Jim summarized the infrastructure and jobs act to the group.

HR3684 authorizes funds for activities such as: Grid infrastructure and resiliency, Energy efficiency and building infrastructure, and Fuels and technology infrastructure. It is still awaiting next steps between the House and Senate before moving forward.

Within the energy efficiency and building infrastructure area cost effective codes implementation for efficiency and resilience is mentioned as it carbon reduction and vehicle charging.

DOE Residential field study update (1:26:15 in video recording)

The data collected from the field study, phase 1, is moving to the analysis team at PNNL where they will review the findings provide information to support training opportunities for the training phase of the project. Additional information will be passed along through a presentation with these findings in the future – hopefully by end of this year.

Wrap Up (1:25 in video recording)

Doodle Poll to help select a date for the next meeting in **January 2022**. Please go to the **following link** and select dates that work for your schedule:

https://doodle.com/poll/b8ng5v6r8pnpbhe8?utm_source=poll&utm_medium=link