

Nevada Energy Code Collaborative Meeting Minutes

June 22, 2021

Recording of meeting: <https://vimeo.com/566761972>

Welcome and Introductions!

27 stakeholders joined the second quarter 2021 collaborative online meeting.

The focus of this quarters meeting was current outlook and trends in Nevada new construction, state update to the 2021 IECC with non-mandatory appendices and highlights of significant changes between the 2021 IECC and the 2018 IECC for both residential and commercial construction.

State and Local Outlook, Trends and Policies in Nevada (Minute 1:15 in the video recording)

Matt Walker, Greenberg Traurig, and Nat Hodgson SNHBA discussed local and state trends in Nevada. Matt highlighted activity from this year's legislative session in Nevada.

SB303 – Solar PV systems, AB 383 – Gas appliance standards, AB452 GHG emission report, AB453 C PACE allows water conservation, SB150 – Tiny Homes, SB448 which among other things increases EV infrastructure in the state, SB442 – Sunsets the Green Building Tax Abatement Program administered by the Governor's Office of Energy. Additional areas the homebuilders are participating is the activity in Clark County with reductions in GHG. It was mentioned that local governments appear to be taking the lead ahead of the state.

Nat Hodgson, SNHBA, mentioned the ongoing hangover from COVID, but this is the strongest year in housing in the Valley since 2007. Processing time for permits has moved from one hour to two weeks. A need for builders is the labor market. Some builders have intentionally slowed down because of the labor issues. It was mentioned that strong migration from California into Nevada continues with 50 pct of buyers in Northern Nevada coming from California, and in Southern Nevada 30 pct of buyers are from California.

Significant Changes to 2021 IECC (Minute 23:00 in the video recording)

Residential – must now declare path of compliance on plans, prescriptive, performance, ERI, UA trade-off

Removal of mandatory rqts in the code now move to mandatory requirements for ERI and performance paths.

Insulation increases in CZ 3 and CZ 5 and fenestration/window increased efficiency.

Testing requirements for air leakage and duct leakage requirements.

Additional efficiency requirements now included in residential similar to what has been in commercial chapter since 2015.

Clarification of existing building updates and solar ready and zero energy voluntary appendices.

Commercial – some similar requirements as in residential.

Greenhouse updates in code.

Insulation requirements increased in code for commercial buildings.

Testing required for air leakage, dwelling, and sleeping unit testing. Air barrier commissioned.

Interlocking operable doors in commercial, aka restaurants

Mechanical and Service hot water updates.

Lighting updates and daylighting requirements new in IECC from ASHRAE 90.1.
Energy monitoring and controlled outlets.
Additional efficiency requirements now have a points-based table based on climate zone.

DOE determination for residential IECC (1:04 in video recording)

Jim Meyers gave a quick update on the latest DOE residential determination. DOE is mandated to provide an analysis on energy savings from code/standard to the next release. DOE accelerated the analysis this year and shows. DOE estimates national savings of approximately:

CZ3 – Clark County

- 10.48 percent *site* energy savings
- 9.75 percent *source* energy savings
- 9.57 percent *energy cost* savings
- 9.59 percent *carbon emissions and social cost of carbon*

CZ5 – Washoe County

- 8.50 percent *site* energy savings
- 7.63 percent *source* energy savings
- 7.44 percent *energy cost* savings
- 7.42 percent *carbon emissions and social cost of carbon*

Carbon emissions and social cost of carbon is new to their determination analysis. States and cities are asking for this information.

DOE residential Nevada field study (1:04 in video recording)

Because of determination work, PNNL is late in performing analysis on the findings in Nevada. We anticipate data from PNNL this summer and a second phase of the study will commence with field and virtual trainings in 2021.

ICC Update (1:10 in video recording)

Susan Dowty, ICC, discussed recent announcements from ICC. At energy page, www.iccsafe.org/energy. Susan shared the recent ICC announcement of the new standards development committees selected by the ICC board. A mix of builders, government representatives, manufacturers, users, and others have been selected by ICC for the 2024 IECC code/standard. Robin Yochum with the Governors Office of Energy is a vice chair for the residential committee. Jim Meyers is also on the committee as is Shaunna Mozingo who presented earlier today on 2021 IECC updates.

Building program update and state adoption of 2021 IECC (1:18 in video recording)

Robin Yochum, Energy Program Manager, Governor's Office of Energy spoke about updating the state website to include info on 2021 IECC meeting information. Building energy codes page to include regulation, rule making and adoption and link to 2021 IECC adoption page.

Wrap Up (1:25 in video recording)

Doodle Poll to help select a date for the next meeting in **September/October 2021**. Please go to the [following link](#) and select dates that work for your schedule:

https://doodle.com/poll/gqmsyugnrccpib8b?utm_source=poll&utm_medium=link