**Standard Development Committee 1100**

**December 19, 2023; 3-4 pm ET**

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**AGENDA**

1. Call to Order (Jacob Atalla)
   1. The meeting was called to order at 3:02 PM ET.
2. Roll Call (Ryan Meres)
   1. MEMBERS PRESENT: Jacob Atalla, Philip Fairey, Kevin Kalakay, Jonah Schein, Matt Graves, Andrew Morris, Ed Osann, Dave Walls
   2. OTHERS PRESENT: Holly Cannon, John Bell, Tom Roberts, Dave Giddens
   3. RESNET® STAFF PRESENT: Ryan Meres, Noah Kibbe
3. HERS H2O and WaterSense Labeled Homes Program Update (Ryan)
   1. Ryan provided an overview of the SDC 1100 Subcommittee members. There is one vacant seat that needs to be filled by ICC.
   2. Ryan provided an overview of the subcommittee members.
   3. HERS H2O Update
      1. The calculations presented are based on Standard 850.
      2. There are 27 Providers, 325 certified Raters, 7 states with H2O Ratings, and over 7,000 certified homes to date.
         1. A majority of the Ratings stem from the West Coast (California, Nevada, and Arizona).
      3. The average score for 2023 is 60.
         1. Jacob clarified that the 2006 reference home was rated at 100. A score of 60 is 40% more water-efficient than the reference home.
         2. The EPA says that homes that achieve 70 or lower can be WaterSense labeled. The average score is, therefore, 10% better than the targeted score.
         3. This also helps measure where improvements can be made to lower the average score.
   4. Pain Points for Builders
      1. Large, irrigated areas
         1. It is common practice outside of the southwest to put turf grass anywhere there is no hardscaping. This makes it difficult for Builders to achieve WaterSense.
      2. Clothes washers
         1. When clothes washers are not installed, the Reference Home values (circa 2006) are used as the default values.
         2. In smaller homes on smaller lots, the clothes washer represents a substantial portion of total water use.
         3. Ed asked if there is any data on whether homebuyers who buy homes without clothes washers bring an old washer or buy a new one.
            1. A home sold without a washer would likely have a washer installed by the initial occupant.
            2. Ed will send information for Ryan to circulate to the group.
   5. Software Update
      1. Current use: HERS H2O Calculation Spreadsheet v1.3.10
         1. Updates spreadsheet to address small lot irrigation constraints.
      2. Approved software from Samok Solutions (H2O only) that has not been released to market.
      3. Ekotrope began development in November and will likely release its software in Q1 of 2024.
4. Subcommittee Work Update
   1. Overview of proposed changes
   2. Technical Committee Update
      1. Proposed change to title for Standard 850: Expanded to include multi-family dwellings.
      2. Proposed change to purpose and scope: this change was proposed to address multi-family dwellings.
      3. Proposes new definitions:
         1. Dwelling Unit – a single unit.
         2. Sleeping unit – room/space where people sleep.
      4. Irrigation in multifamily
         1. For multi-family properties, the irrigated area for the Reference Home shall be the same as the Rated Home irrigated area.
         2. They can receive credit for a more efficient irrigation system, the use of smart controllers, and irrigation system commissioning.
         3. Change occupancy equation to reflect single- vs. multi-family.
            1. This will apply to all formulas where occupancy is accounted for.
      5. Summary of *new* proposed changes
         1. Gray Water – a new definition was provided.
         2. A change was made to irrigation for the reference and rated home.
            1. Philip noted that in the proposed draft standard, there is no longer a way to calculate pool use.

This was done purposely because the pool use is the same for reference and rated home.

By modifying Equation 1, it removes the ability to calculate what the pool use is.

This will have to be addressed in the draft Standard.

This will also apply to the equation in Section 4.6.

* + - 1. Addressing sample ratings
         1. There is new language proposed in 6.1.4.2 that expands upon the reference to Section 600 of the Mortgage Industry National Home Energy Rating Systems Standard.
         2. It provides additional guidance as it relates to water.
         3. Jonah noted that Energy Star has decided to remove the option to remove sample homes that could have implications for WaterSense.
         4. Philip noted that sampling was removed from home ratings in Energy Star because there is now a large tax credit to builders for Energy Star homes. There is no tax credit for H2O homes.

1. Next Steps and Looking to 2024
   1. There will be an SDC 1100 ballot on the proposed changes.
   2. There will then be a round of public comments.
      1. If the ballot passes, the comment period will possibly open around January 2024.
   3. The Technical Committee will receive and review public comments.
   4. The responses will be presented to SDC 1100.
   5. There will likely be a second round of public comments that will occur in mid-2024.
      1. Ed asked if this would mean the second committee review would occur in the Fall and the next version would be adopted by the end of 2024.
         1. Ryan confirmed this is the hope and that the committee would complete their work before this.
         2. Final approval is given by the Standards Management Board and is then sent to ANSI.
      2. Jacob noted that this puts the committee on the same cycle as energy code renewals.
         1. Ryan noted there is a proposal to ICC to include this Standard as an appendix in the IRC and the International Plumbing Code.
2. New Business
3. The meeting was adjourned at 3:43 PM ET.