



STATE OF WASHINGTON

## STATE BUILDING CODE COUNCIL

Department of Enterprise Services

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### Residential Energy Code Technical Advisory Group Meeting Review Notes for May 6, 2022

Agenda Items	TAG Actions
1. Welcome and Introductions	<p>Kjell Anderson, TAG Chair, called the meeting to order at 8:30 a.m. Roll was taken, and introductions made. Kjell laid out the meeting ground rules and meeting procedures.</p> <p>Patrick Hayes moved to require a roll call vote to establish an actual vote count. He then amended his motion to require the roll call vote only on items with at least one dissenting vote. Amy Wheeless seconded the motion. The motion failed, 6 to 10. It was noted that the chair or any member may request a roll call vote at any time.</p>
<p><b>TAG Members Present:</b> Kjell Anderson, Chair; Dave Baylon; *Chris Boroughs; Jason Carter; Wade Craig; Greg Davenport; *Kevin Duell; Mike Fowler; Patrick Hayes; Gary Heikkinen; Luke Howard; Duane Jonlin; *John Lange; Henry Odem; Irina Rasputnis; David Reddy; *Albert Rooks; *Lisa Rosenow; Andrea Smith; Mark Sniffen; *Poppy Storm; Gavin Tenold; Amy Wheeless</p> <p><b>Visitors Present:</b> Peter Rieke, Larry Andrews, Gordon Bearse, Dan Beha, Kyle Bergeron, Joe Boros, Ian Casey, Vivian Cox, Sean Denniston, V. Forte, David Hanson, Daniel Himebaugh, Harshad Inamdar, Diane Jakobs, Mike Kennedy, Joel Klemp, Jonny Kocher, Megan Kramer, Mark Lenssen, Jeanette McKague, Scott Novak, Nick O'Neil, Liz Reichart, Tena Risley, Miguel Rodriguez, Kevin Rose, Kat Rosenbaum, Avaly Scarpelli, Allison Skidd, Steve Tapio, John Wabel, Glen Yung</p> <p><b>TAG Members Absent:</b> Jonathan Jones</p> <p><b>Staff:</b> Stoyan Bumbalov, Krista Braaksma, Annette Haworth</p> <p style="text-align: right;">* indicates an alternate member</p>	
2. Review and Approve <a href="#">Agenda</a>	The agenda was approved as modified. The proposals from Lisa Rosenow (071, 072, 089, 088 and 081) were moved up to be heard before 065. The proposals from Dan Wildenhaus were deferred to the next meeting.
3. Review and Approve <a href="#">Minutes</a>	The minutes of the December 17, 2021, meeting were approved as written.
4. Review of Code Change Proposals	Note: Proposals 082, 033, 065, and 066 were deferred to the next meeting as their proponents were unavailable to present.
<a href="#">084</a>	<p>Duane Jonlin presented his proposals removing Group R-2 occupancy buildings from the residential provisions and moving them to the commercial provisions to better align the energy code with the rest of the model codes and provide regulatory consistency for this type of building.</p> <p>There was both support and opposition for this proposal from members. There was some concern about the division of Group R-2 occupancies based on method of access. There was some concern that there may be some correlation needed with other codes—specifically the commercial provisions and the existing building code—and the impact on the efficiency credits in both code provisions.</p>

	<p>Patrick Hayes moved to amend the proposal to move all Group R-2 to the commercial provisions. David Reddy seconded the motion. The motion failed, 6 to 8 with two abstentions.</p> <p>The proposal was tabled, with a workgroup formed to discuss the concerns raised and how to address them.</p>
<a href="#">071</a>	<p>Lisa Rosenow presented her proposal regarding central water heating circulation pump requirements, moving the last sentence to the subsection for individual dwelling units and adding a subsection with specific requirements for Group R-2 to align with the requirements in the commercial provisions.</p> <p>Sean Denniston pointed out that Section R403.8 already requires systems serving multiple dwelling units to comply with the commercial provisions, so the added subsection is redundant. There was some discussion of removing Section R403.8, but in the end it was recommended that it be retained and the proposal modified.</p> <p>Greg Davenport moved to recommend <a href="#">approval as modified</a>, removing the Group R-2 subsection and the exception allowing cold water piping return. Duane Jonlin seconded the motion. The motion carried with no opposing votes.</p>
<a href="#">072</a>	Based on the action on 071, Lisa Rosenow withdrew 072.
<a href="#">067</a>	<p>Kevin Duell introduced his proposal adding exceptions for service hot water systems that meet the requirements of ANSI Z21.40 and NEEA's Advanced Water Heating Specifications rather than DOE UEF requirements, which allows for condensing water heaters. While this is technically already allowed by the code, Kevin wanted it to be specifically spelled out and referenced in the standards. He is proposing it as an exception to skirt any preemption issues.</p> <p>The discussion was tabled until the May 13 meeting to allow the proponent time to provide information on available models and to amend the language for consistency with C406 Option 5.3.</p>
<a href="#">013</a>	<p>Kevin Duell introduced his proposal to remove "where installed" from the beginning of Section R403.5.2. There was some TAG discussion on the origin of the language, with people expressing concern that these systems were now required when this section was first adopted into the code.</p> <p>Mark Sniffen moved to recommend approval as submitted. Patrick Hayes seconded the motion. The motion carried, 7 to 5 with three abstentions.</p>
<a href="#">014</a>	<p>Kevin Duell is also the proponent on this proposal, which is nearly identical to 013 but amends R403.5.3.</p> <p>Mark Sniffen moved to recommend approval as submitted. Gary Heikkinen seconded the motion. The motion carried 10 to 4, with two abstentions.</p>
<a href="#">080</a>	<p>Nick O'Neil introduced his proposal that would require electric resistance water heaters to be installed in conditioned space to limit standby losses.</p> <p>There was discussion on whether this should be amended to include all water heaters regardless of type. It was suggested that the term should be within the thermal envelope rather than conditioned space. There was also debate on how this would affect heat pump water heaters and combustion air for gas water heaters. There was concern about the loss of usable living space if these were moved indoors.</p> <p>Dave Baylon moved to recommend <a href="#">approval as modified</a>, replacing conditioned space with within the building thermal envelope, deleting the</p>

	specification for electric resistance only, and removing exception 2. It was also noted that staff could add the appropriate language in Chapter 5 to exempt replacement of existing water heaters. The motion carried, 10 to 6.
	The remainder of the agenda will be addressed at the next meeting.
5. Adjourn	The meeting was adjourned at 12:15 p.m.

Attachments: [Updated Tracking Log](#)