



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

Department of Enterprise Services

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Energy Code Technical Advisory Group Meeting Review Notes for May 17, 2019

TAG Members Present: Kjell Anderson, Chair; Alan Nolan; Amy Wheelless; *Bill Kraus; Chuck Murray; CJ Brockway; Dave Baylon; David Reddy; Gary Heikkinen; Hans Frederickson; *Jonathan Jones; *Louis Starr; Mike Fowler; Mike Lubliner; Patrick Hayes; *Poppy Storm; *Tanya Beavers; Tena Risley; Treasa Sweek

Visitors Present: Shilpa Surana, Graham Wright, Bruce Speight, Sandra Mallory, Chris van Daalen, Dan Wildenhaus, Henry Odem, Shane Nilles, Kathleen Petrie, Lauren Scott, Jay Crandall, Carolyn Logue, Dave Nehren, Lindsey Stovall, Joseph Briscar, Jenifer Gilliland, Mike Moore, Mike Kennedy, Nick O'Neil

TAG Members Absent: Alan Duer, Bruce Carter, Jason Ramey, Kim Barker, Robby Oylear, Todd Blevins, Paul Highly

Staff: Krista Braaksma

* indicates an alternate member

Agenda Items	TAG Actions
1. Welcome and Introductions	Meeting called to order at 9:08 a.m. Kjell Anderson welcomed everyone and introductions were made.
2. Review and Approve Agenda	Agenda approved with the correction of the minutes changed from April 19 to May 10. CJ Brockway had some questions on whether WSEC-R19 had been dealt with at the previous meeting or needed to be added back to the agenda, but a review of the minutes of that meeting cleared the issue. Krista also noted any correlation issues would be dealt with by staff.
3. Review and Approve Minutes	The minutes of the May 10, 2019 meeting were approved as written.
4. Review of Code Change Proposals	
WSEC-R31	<p>Poppy Storm spoke to this proposal for Duane Jonlin, and delivered a PowerPoint presentation. This is essentially the same proposal as R23 heard last week, but increases the number of credits needed.</p> <p>Alan Nolan objected to the proposal on the basis that the lifecycle cost analysis was not presented with the proposal. Henry Odem noted it was the same as R23 with the additional cost information provided with the proposal. They did run the analysis and will make it available to Krista.</p> <p>There was discussion on whether the Council should make the final determination on the number of credits or if the TAG should make a recommendation.</p> <p>Chris van Daalen from NW EcoBuilding, Sandra Mallory with the City of Seattle's Sustainability office, and Tom Balderston, a Built Green verifier, all spoke in favor of the proposal.</p>

	<p>It was suggested again that examples be put together of packages for each building type.</p> <p>Chuck Murray and Amy Wheelless moved to recommend approval as submitted. Chuck modified his motion to include only the increase in credits needed, and have the rest reflect the changes as made to WSEC-R23 at the May 10 meeting. The motion carried, 7 to 6.</p> <p>Kjell noted that the opponents could prepare a minority report to go before the MVE Committee.</p>
<p>WSEC-R36</p>	<p>Dave Baylon said he submitted this proposal to match the requirement on the commercial side and presented a PowerPoint on the proposal. The new table normalizes the fuel to reflect the carbon impact. Chuck Murray noted the 0.7 value for electricity used was a compromise number the Council moved forward with for the commercial code prior to the passage of the Clean Energy Bill.</p> <p>Patrick Hayes asked if this would be complicated for the plan reviewers. It was felt this would be pretty easy.</p> <p>David Reddy provided some suggestions for corrections and modifications.</p> <p>Alan Nolan felt carbon accounting was the wrong way to go.</p> <p>Gary Heikkinen disagreed with the way the numbers had been arrived at. He felt marginal rates should be used rather than average rates.</p> <p>Tena Risley asked if there were models of heat pumps that would pass local noise ordinances. Amy Wheelless said she had some data on that she could send out.</p> <p>It was noted the proposal isn't quite consistent with R23. Dave Baylon noted that it should be in most things, but the point values for some options are changed.</p> <p>Chuck Murray and Treasa Sweek moved to recommend approval as modified with David Reddy's changes. The motion carried 10 to 2 with one abstention.</p>
<p>WSEC-R35</p>	<p>Dave Baylon submitted this proposal in lieu of the failed legislation creating a three tiered efficiency option that jurisdictions could adopt.</p> <p>Chuck Murray felt the way it was currently worded would not be allowed per the governing statute of the residential energy code—jurisdictions cannot amend the code. He suggested that it may work as a voluntary standard for builders or for incentive programs. Kathleen Petrie felt that, because it was a part of the code, it would meet the statute. Chuck asked that the proposal be tabled for a short while so alternate language could be drafted.</p> <p>The proposal was reintroduced with language identifying the appendices as alternate provisions the building owner may select.</p> <p>Chuck Murray and Treasa Sweek moved to recommend approval as modified. The motion carried with one opposing vote.</p>
<p>WSEC-R24</p>	<p>Alan Nolan introduced his proposal to provide an air leakage control option that is not coupled with a heat recovery system, plus an option that is just the heat recovery system. This would provide an option to builders</p>

	<p>that don't want to spend the money on a heat recovery system where they are not economically feasible.</p> <p>Henry Odem felt that it would work for the 2b option, but the energy savings would not pencil out for the 2c option.</p> <p>It was noted that 2a is now essentially the same as the proposed 2b, which would provide no incentive for the increased air tightness. It was suggested to add something else, such as fan efficiency, to balance out the options.</p> <p>Mike Lubliner and Amy Wheelless moved to table the proposal. The motion carried.</p>
WSEC-R02	<p>Mike Lubliner spoke to this proposal in the proponent's absence. It simply adds the IAPMO standard for drain water heat recovery devices.</p> <p>Mike Lubliner and Treasa Sweek moved to recommend approval as submitted for WSEC-R02. The motion carried with no opposing votes</p>
WSEC-R10	<p>Alan Nolan offered an alternate proposal, with both advanced framing and raised heel trusses receiving half a point.</p> <p>There was discussion over the values used in the calculations provided.</p> <p>Chuck Murray and Treasa Sweek moved to recommend approval as submitted. The motion was withdrawn and replaced with a motion to table. The motion carried.</p>
WSEC-R15	<p>Alan Nolan presented this proposal adding a new option using the new section on deeply buried ducts in the section with ducts in conditioned space. This would encourage builders to move the ducts into the insulation rather than hanging them in unconditioned space.</p> <p>There was discussion as to whether this saved enough energy to merit half a point. Mike Lubliner argued that it would incentivize builders to move the air handler into the house.</p> <p>Treasa Sweek and Patrick Hayes moved to recommend approval as submitted. The motion carried 6 to 4, with 3 abstentions.</p>
5. Other Business	<p>The next meeting is scheduled for May 17. An additional meeting was scheduled for May 24.</p>
6. Adjourn	<p>The meeting was adjourned at 2:00 p.m.</p>