



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

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MECHANICAL, VENTILATION and ENERGY CODES COMMITTEE SUMMARY MEETING MINUTES

LOCATION: DES Building, Room 2332
1500 Jefferson Street
Olympia, WA 98501

MEETING DATE: March 2, 2018

Agenda Items	Committee Actions/Discussion
1. Welcome and Introductions	Meeting called to order at 9:38 a.m. by Eric Vander Mey. <u>Members in Attendance:</u> Eric Vander Mey, Chair; Andrew Klein, Vice Chair; Doug Orth; Duane Jonlin; Steve Simpson <u>Staff In Attendance:</u> Richard Brown, Managing Director; Krista Braaksma <u>Visitors Present:</u> Larry Andrews, Al Audette, Kim Barker, Michael Cook, Morgan Heater, Keith Kelly, Chuck Murray, Jeff Newsome, Lisa Rosenow, Laura Wynn
2. Review and Approve Agenda	The agenda was approved as written.
3. Public Comment for Items Not on the Agenda	None.
4. Energy Code TAG Report	Duane Jonlin reported the Energy Code TAG has completed their review of the 2018 International Energy Conservation Code changes integrated into the Washington State Energy Code. Eric Vander Mey noted the TAG reported very few significant changes for the 2018 edition. There were a couple of items flagged in the lighting section, and there was a significant reorganization of the mechanical section with little technical change. No public comments were offered. <i>Motion:</i> Duane Jonlin moved to recommend to the Council that the Integrated Draft be approved and considered the base for code change proposals. Doug Orth seconded the motion. The motion carried.
5. Lifecycle Cost Analysis Inputs	Eric noted the current process for the energy code proposals includes the lifecycle cost analysis tool. The Council will be looking at this tool and process this year to suggest possible changes for upcoming code cycles. The 2018 code proposals will be using the current process. There are certain inputs needed in the spreadsheet. Chuck Murray, Commerce, has suggested some changes to those inputs . Chuck noted he updated the period of analysis, added the BOMA reference for the useful life, adjusted the energy rates, and updated the energy escalation rates and

<p style="text-align: center;"><i>Public Comment</i></p>	<p>inflation estimate. He did not change the nominal discount rate, since it seemed to be a bit high previously. The real discount rate is calculated in the spreadsheet. He deleted the financing and tax values in the commercial columns. They are extremely variable and not really helpful.</p> <p>Eric noted it may be helpful to have a training session on how to use the LCCA form.</p> <p>The BOMA Life Expectancy document was recommended to be used by Council member Al French. This has the average useful life years expectancy for different types of equipment. Eric said that one of the things to look for in reviewing proposals is that both the baseline and proposed measures use the same information.</p> <p>Eric also noted that the 2018 Goals document should be updated again to include the BOMA reference. The one currently posted doesn't have the most recent edits included.</p> <p>Larry Andrews, Andrews Mechanical, commented that he did not feel the cost of equipment maintenance is adequately addressed. He also noted the BOMA information is rather dated at eight years old.</p>
<p>6. Interpretation Requests</p> <p style="text-align: center;"><i>City of Kirkland</i></p> <p style="text-align: center;"><i>Motion:</i></p> <p style="text-align: center;"><i>City of Seattle</i></p> <p style="text-align: center;"><i>Motion:</i></p>	<p>The first set of requests is from the City of Kirkland and deal with the requirement for ductless mini-splits in electrically heated dwellings. There was some discussion regarding intent and whether a heat pump that wasn't a ductless mini-split would be allowed. There was general agreement that the current code language needed some clean up and clarification. After discussion, the answer to question 1 was modified to read "Yes, if the primary heating source is electric zonal heating, it must be a supplemental heat pump for the largest zone. The exception can only be utilized if the total installed heating of the dwelling unit is less than 2000 watts." The answer to question three was modified to reference the IRC instead of the IBC and the last sentence was deleted.</p> <p>Duane moved to approve the answers as modified above. Andrew Klein seconded the motion. The motion carried.</p> <p>The second set of questions comes from the City of Seattle and deals with DOAS requirements. The Committee went through the proposed answers. There was some disagreement from public comment that the proposed answer to Question 1 was correct, but the committee felt the answer was correct for how the code currently reads. It would require a code change proposal to change the draft answer.</p> <p>It was noted that Answer 2 should only reference Exception 1 of Section C403.3.</p> <p>Answer 4 was modified to select the "No." option and add "but may have higher fan power during heating and cooling modes. The heating and cooling terminal unit must be controlled by the temperature of the zone that it serves per Section C403.2.4.1." to the end of the draft answer.</p> <p>Andrew Klein moved approval of the answers to the Seattle request for opinion as modified above. Doug Orth seconded the motion. The motion carried.</p>

<p><i>City of Bellingham</i></p> <p><i>Motion:</i></p> <p><i>Whatcom County</i></p>	<p>The third set of questions comes from the City of Bellingham and also deal with the DOAS requirements, along with the ventilation requirements from the IMC.</p> <p>After discussion, the first answer was modified to add “There would still need to be a zonal heating and cooling system to handle the space heating and sensible cooling loads. The DOAS system airflow can only be oversized by more than 150% to handle the latent cooling requirements.” to the end of the first paragraph.</p> <p>For Question 5, the Yes option answer was selected.</p> <p>For Question 7, the “Yes, however...” option was selected for the answer.</p> <p>For Question 9, the Yes option was selected, but modified to include “Existing heating only equipment may be replaced per the first exception in Section C503.4 without complying with Section C403.6.”</p> <p>Duane Jonlin moved to approve the answers as modified. Doug Orth seconded the motion.</p> <p>Due to time considerations, the Whatcom County interpretation set will be added to the agenda for the next Council meeting.</p>
7. Staff Report	None.
8. Other Business	None.
9. Adjourn	Meeting was adjourned at 12:06 p.m.