



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

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Mechanical Code Technical Advisory Group Meeting Review Notes for May 19, 2022

TAG Members Present: Caroline Traube, TAG Chair; Nancy Bernard; Valerie Graber; Jonathan Jones; Andrea Smith; Brandon Stock; Jeff Yirak

TAG Members Absent: Chris McCarthy, Mark Raebel, Tom Jensen

Visitors Present: Kim Barker, Austin Bonnes, Terry Beals, Ian Casey, Kevin Duell, Mike Fowler, Ly Ho, Kevin Johnson, Jonny Kocher, Kevin Meske, Mike Moore, Earl Smith, Eric Vander Mey, Mark Vossler

Staff: Krista Braaksma, Annette Haworth

Agenda Items	TAG Actions
1. Welcome and Introductions	The meeting was called to order at 9:02 a.m. Roll was called, and introductions made.
2. Review and Approve Agenda	The agenda was approved as modified: Proposals 063, 062 and 001 were moved to the beginning of the review list, in that order.
3. Review and Approve May 12 Minutes	The meeting notes of the May 12, 2022 , meeting were approved as written.
4. Review of Submitted Code Change Proposals	Caroline Traube provided a brief introduction on the process and where we are right now. The TAG will be reviewing the nine proposals not yet discussed. All tabled proposals will be discussed on May 27, with an additional meeting on June 2 if necessary.
063 / 062	Mark Vossler and Jonny Kocher spoke to 063, a proposal to add differentiated ventilation requirements for kitchen hoods based on fuel types. The proposal is adapted from California Title 24 and is based on research done by LBNL. Nitrogen dioxide levels can be above the EPA maximum in homes using gas cooking appliances and increases the risk for asthma. 062 is the companion proposal for the IRC. Concerns expressed included added cost, questions about the reliability of the standard, if there were appliances available that met the same rating, computer simulation versus actual testing, how adequate makeup air will be handled, having the Council approve/certify products, how this would affect recirculating and

	<p>downdraft hoods, possible loophole when using continuous ventilation.</p> <p>Motion: Nancy Bernard moved to table 062 and 063. Jonathan Jones seconded the motion. The motion carried 3 to 2.</p>
001	<p>Kevin Johnson introduced 001. Over the course of his career, he has need to install gas piping larger than 2 inches for commercial kitchens and highrise boilers. Currently there is only one standard that applies to valves larger than 2 inches, and the valves meeting that standard are all threaded. Adding another standard allows a code path for a practice that is common.</p> <p>Valerie Graber noted the standard would also need to be added to Chapter 8. Caroline Traube suggested this go forward as a code change for the model code.</p> <p>Motion: Valerie Graber moved to recommend approval as modified. Jeff Yirak seconded the motion. The motion carried with no opposing votes.</p>
009	<p>Jonathan Jones introduced proposal 009 from Mike Lubliner to include ASHRAE 62.2 as an alternate compliance route. 009 addresses the Mechanical Code while 008 does the same for the Residential Code. Jonathan noted the ERI pathway would also include ASHRAE compliance.</p> <p>Concerns expressed included impact on enforcement, whether the path would require an engineer's stamp, would compliance include all of 62.2 or just portions of it, and does 62.2 conflict with other specific requirements.</p> <p>Motion: Brandon Stock moved to table the proposal to provide time to review ASHRAE 62.2. Nancy Bernard seconded the motion. The motion carried with no opposing votes</p>
008	<p>Jonathan suggested this proposal be tabled as well, based on the action taken on 009.</p> <p>Motion: Nancy Bernard moved to table 008 to provide time to review ASHRAE 62.2. Jeff Yirak seconded the motion. The motion carried with no opposing votes.</p>
010	<p>Jonathan Jones spoke to this proposal clarifying the application of HRV/ERV requirements in Group R-2 occupancies.</p> <p>The TAG discussed the new proposed language and offered some modifications to better correlate with the energy code. Mike Fowler noted the energy code TAG is currently reviewing a proposal that would send most R-2s to the commercial code.</p>

	<p>Motion: Jonathan Jones moved to recommend approval as modified. Nancy Bernard seconded the motion. The motion carried.</p>
076	<p>Eric Vander Mey introduced his proposal intended to clarify the new 2018 ventilation language and incorporate information from Council opinions. He has modified the original proposal based on comments received. Similar changes would also need to be made to the IR, and Eric noted he could come back with a proposal next week to address that. Eric also noted that some language was inadvertently dropped during revisions.</p> <p>Motion: Val Graber moved to table discussion until the next TAG meeting. Nancy Bernard seconded the motion. The motion carried.</p>
077	<p>Eric also introduced Reed Rushing’s proposal on locating air intake openings above parking areas. It adds an exception to allow intake openings less than 10 feet above a parking lot for small systems. This will help eliminate the need for “snorkels” from ground floor unit ERVs to get to 25 feet above grade. The language is based on ASHRAE 62.1 separation requirements.</p> <p>The TAG discussed the cfm threshold and distance numbers, and Eric indicated a willingness to amend the values. There were concerns expressed regarding air quality and frequency and duration of traffic. There was also concern regarding the base code used.</p> <p>Motion: Nancy Bernard moved to table the proposal. Val Graber seconded the motion. The motion carried.</p>
085	<p>Austin Bonnes introduced his proposal trying to make requirements for combination vents more enforceable. This provides wording from ASHRAE 62.2, and most manufacturers can meet the 10 percent mixing/leakage rate specified.</p> <p>The TAG discussed the language and make a few editorial changes. Some of the concerns discussed included the lack of a testing standard and whether this was redundant to allowances in 403 and thus unnecessary.</p> <p>Motion: Nancy Bernard moved to recommend approval as modified. Jonathan Jones seconded the motion. The motion carried, with no dissenting votes and two abstentions.</p>
020	<p>It was noted that this is a simple typo and staff will take care of it—no TAG review is necessary.</p>
5. Adjourn	<p>The meeting was adjourned at 11:59 a.m.</p>

Attachment: [Updated Proposal Log](#)