

MVE Committee

Summary of Proposed Modifications

2021 Code Adoption Cycle

Sept/Oct 2022

Mechanical Code Testimony

Testimony From	Summary				
<p>Andrea Smith BIAW</p>	<p>21-GP2-062 AND 21-GP2-063: INCREASED RANGE HOOD VENTILATION Recommended Technical Modifications: Recommend 160 cfm across all range hoods, not dependent on fuel type of range.</p> <p style="text-align: center;">Table 403.4.7.3 Kitchen Range Hood Airflow Rates (CFM) and ASTM E3087 Capture Efficiency (CE) Ratings According to Kitchen Range Fuel Type</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th data-bbox="638 834 890 889"><u>Hood Over Electric Range</u></th> <th data-bbox="890 834 1142 889"><u>Hood Over Combustion Range</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="638 889 890 943">65 percent CE or 160 cfm</td> <td data-bbox="890 889 1142 943">80 percent CE or 250-160 cfm</td> </tr> </tbody> </table>	<u>Hood Over Electric Range</u>	<u>Hood Over Combustion Range</u>	65 percent CE or 160 cfm	80 percent CE or 250 -160 cfm
<u>Hood Over Electric Range</u>	<u>Hood Over Combustion Range</u>				
65 percent CE or 160 cfm	80 percent CE or 250 -160 cfm				
<p>Larry Andrews (Oral testimony, Sept. 30)</p>	<p>Do not adopt the requirement for MERV 13 filters or add an exception for F300 electric air cleaners</p>				
<p>Randall Cooper AHAM (Oral testimony, Sept. 30)</p>	<p>Add AHAM as an alternate listing source for compliant exhaust hoods in IMC 403.4.7.3.1/IRC M1505.4.4.3.1</p> <p>2. The verification shall utilize certified rating data from HVI Publication 911, AHAM-Certified Range Hood Directory or another directory of certified product performance ratings approved by the code official for determining compliance. The verification procedure shall consist of visual inspection of the local intermittent kitchen exhaust system to verify and record the following information:</p> <p>2.1. The manufacturer name and model number.</p> <p>2.2. The model is listed in the HVI, AHAM or equivalent directory.</p> <p>2.3. The rated airflow value listed in the HVI, AHAM or equivalent directory.</p> <p>2.4. The sound rating value listed in the HVI, AHAM or equivalent directory.</p>				

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	<i>(and add to Referenced Standards)</i>
<p>Eric Vander Mey Rushing</p>	<p>Clarify the requirements for utility transformer exhaust locations. Referring to the NFPA 70 is not clear and enforceable code language as this section is in regard to naturally ventilated transformer vaults.</p> <p>Proposed Modifications to the Code Language below in red:</p> <p>501.3.1 Location of Exhaust Outlet. The termination point of exhaust outlets and ducts discharging to the outdoors shall be located with the following minimum distances:</p> <p><u>6. For transformer vault exhaust system outlets, in addition to the requirements of subject to the requirements of NFPA 70 Section 450.45: 10 feet (3048 mm) from fire escapes, required means of egress at the exterior of the building, elements of exit discharge, exterior combustible materials, openings that are not protected in accordance with IBC Section 705.8; 10 feet (3048 mm) from property lines which separate one lot from another; 10 feet (3048 mm) from operable openings into buildings; 10 feet (3048 mm) above any walking walkwaysurface.</u></p>
<p>Caroline Traube</p>	<p>Regarding the currently open Group 2 public comment, please ensure the inclusion and adoption of the recently published ASHRAE Standard 15.2 in the 2021 Washington State Mechanical Code and the 2021 Washington State Residential Code to align with HB1050.</p> <p>IMC 1101.1.1 Refrigerants other than ammonia. Refrigerant piping design and installation for systems containing a refrigerant other than ammonia, including pressure vessels and pressure relief devices, shall comply with this chapter, and ASHRAE 15 and ASHRAE 15.2.</p> <p>IRC M1401.1 Installation. Heating and cooling equipment and appliances shall be installed in accordance with the manufacturer’s instructions and the requirements of this code and ASHRAE 15.2.</p> <p>And add to Referenced Standard sections.</p>
<p>Ian Casey NW natural</p>	<p>Proposed Code Language – Based on IMC Table 403.4.7.3</p> <p>Delete proposed Table 403.4.7.3 and instead reference previous table for minimum exhaust rates, (Table 403.4.7)</p> <p style="text-align: center;">Table 403.4.7 MINIMUM EXHAUST RATES</p>

Testimony From	Summary			
		Area to be exhausted (Kitchens Kitchens	Exhaust Rate Intermittent 100 cfm, <u>100 cfm</u>	Continuous 30 cfm), <u>30 cfm</u>
		<u>Open kitchens</u>	<u>In accordance with Section 403.4.7.3</u>	<u>Not permitted</u>
		<u>Enclosed kitchens</u>	<u>In accordance with Section 403.4.7.3</u>	<u>5 ACH based on kitchen volume</u>
		Bathrooms - Toilet rooms	50 cfm	20 cfm
<u>Table 403.4.7.3</u>				
<u>Kitchen Range Hood Airflow Rates (CFM) and ASTM E3087 Capture Efficiency (CE) Ratings According to Kitchen Range Fuel Type</u>				
		<u>Hood Over Electric Range</u>	<u>Hood Over Combustion Range</u>	
		<u>65 percent CE or 160 cfm</u>	<u>80 percent CE or 250 cfm</u>	

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