

PMG Sub-Committee First Meeting
February 25, 2021

Plumbing-Mechanical-Gas
Sub-Committee First Meeting
February 25, 2021 Minutes

MEETING BEGINS - 10:00 AM

WELCOME

- Windell Peters, Chairman welcomed everyone, and introduced sub-committee members and DCA staff.
- Ted Miltiades, Director shared the goal of having Sub-committee present in the DCA Boardroom for the April PMG Sub-Committee meeting.
- Ted turned the meeting over to Chairman Windell Peters.
- DISCUSSION OF SCOPE OF WORK
 - Windell Peters explained the scope of the work to the Sub-Committee which included the meeting schedule and review of the proposed amendments. The sub-committee will meet for a total of 4 meetings. A final task force report with recommendations will be made at the June SCAC meeting. (see attached Meeting Schedule)
- (See attached Amendment Report Form.)

PRESENTATIONS

- Andrea Papageorge provided background on her proposed amendment. Ms. Papageorge stated the financial impact to the industry would be minimal.
- Gail Bass and Joel Rodriguez provided a presentation for proposed amendment # 16. The amendment he and Ms. Bass proposed will protect the public by reducing the number of times common surfaces will be touched, especially amidst Covid concerns.
- Ron Anderson explained the changes required with proposed amendment # 17.
- Robert Glass gave a presentation on items 1-6. Mr. Glass will present additional information at next sub-committee meeting.
- William Chapin provided the attached presentation on behalf of Ferguson Enterprises for proposed amendments 7-14.

CONCLUSION OF MEETING

- No other Old or New Business.
- The next meeting will be held on Thursday, April 22, 2021 at 10:00 in DCA Room 302.

ADJOURN – 11: 45 AM

MEETING ATTENDEES

SUB-COMMITTEE MEMBERS: Windell Peters, Chairman; Elaine Powers, Vice-Chairman; Bill Guinade, Daniel Baiamonte. (Bill Duck-Excused Absence)

DCA STAFF: Ted Miltiades, Jimmy Reynolds, Christian Poulos and Donna Brown

PRESENTERS: Ron Anderson, GPTA; Gail Bass, Gwinnett County Government; William Chapin, Professional Code Consulting, LLC; Robert S. Glass, Goodman Manufacturing; Andrea Papageorge, Southern Company; Joel Rodriguez, Gwinnett County Government;

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GUESTS: Eric Arnold, Georgia Power; Bettie Sleeth; Dee Leclair, Stevens & Wilkinson; Jim Cika; Jonathan Sargeant, Omegaflex; Julie Hadfield, Jordan & Skala Engineers; Mary Koban, AHRI; Stephen Spletzer, Opteon Refrigerants; Dominique Taudin, Carrier Global Corporation; Julius Ballanco, JB Engineering and Code Consulting; Rufus Kay, Southern Company; Brian Williams, Ferguson Enterprises

ATTACHMENTS:

Meeting schedule
Proposed Amendment Report

Proposed Amendments to the 2020 GA State Minimum Standard One- and Two-Family Dwelling Code

- Thank you, Mr. Chair. My name is Robert Glass. I am presenting these code change proposals on behalf of Goodman Manufacturing Company, Daikin U.S. Corp., Daikin Applied Americas, Carrier Corp., The Chemours Company, JB Engineering and Code Consulting, P.C. and A.S. Klein Engineering, PLLC as noted in our submission letter to Mr. Miltiades. Several of these technical representatives are participating on this virtual meeting today.
- The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will need to be sold to meet market requirements. As such, these proposals need to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, Group A2L refrigerant products which will be used in the future.
- These proposed amendments to the GA Minimum Standard One- and Two-Family Dwelling Code include: (1) adding missing references to UL/CSA 60335-2-40 as equivalent to UL 1995 (Item No. IRC-2022-4 & IRC-2022-8), (2) update the standards referenced in Chapter 44 (Item No. IRC-2022-9) , (3) update the standard titles as needed in Chapter 44 (Item No. IRC-2022-9) and (4) delete reference to ANCE for the UL/CSA 60335-2-40 standard as ANCE withdrew as a sponsor of the UL/CSA 60335-2-40 standard after the 2nd edition (Item Nos. IRC-2022-5, IRC-2022-6, IRC-2022-7 and IRC-2022-9).
- UL will be withdrawing UL 1995 as a national standard effective January 1, 2024. Manufacturers will have to use the new standard, UL/CSA 60335-2-40. The third edition incorporates many of the requirements in UL 1995, as well as new requirements including: UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Nationally Recognized Testing Laboratories (or NRTLs) are using the latest edition of the UL/CSA 60335-2-40 safety standard for certification testing.
- The proposed amendments noted in Item Nos. IRC-2022-4 and IRC-2022-8 include adding the equivalent reference to UL/CSA 60335-2-40 for UL 1995 in Sections M1402.1 and M2006.1 as has been done in Section M1403.1 for Heat pumps, M1412.1 for Absorption systems and M1413.1 for Evaporative cooling equipment.
- ASHRAE 34-2019 includes many new Low GWP refrigerants that do not appear in previous editions of the standard. The 2021 IRC updates the reference to ASHRAE 34-2019.
- The proposed amendment noted in Item Nos. IRC-2022-5, IRC-2022-6, IRC-2022-7 and IRC2022-9 includes the elimination of ANCE from the standard title as ANCE withdrew as a sponsor of the UL/CSA 60335-2-40 standard after the 2nd edition.
- The States of FL and WA have passed changes in their building codes as is being proposed here where they reference ASHRAE 34-2019 and UL/CSA 60335-2-40-2019.
- AHRI sponsored fire testing at UL that was developed through cooperation of the fire service. The fire testing proved that A2L refrigerants are equivalent to A1 refrigerants regarding fire hazard. The recorded webinar from January 13, 2021 which shows UL presenting based on the refrigerant fire testing is available for watching (<https://www.ahrinet.org/news-events/webinars/ahri-refrigerant-webinar-series>) at the AHRI Safe Refrigerant Transition website This is webinar 6 (at the bottom of the webpage) in the series of webinars addressing Determining Application Limits & Safety Requirements for Low-GWP Refrigerants.
- The Fire Services Research Institute (FSRI) is preparing training for first responders which will be available around April 2021 based on the refrigerant fire testing recently completed at UL.

Jones Stephens PEXALGAS Gas Piping System

Overview for Georgia State Code Advisory Committee Meeting

January 27, 2021

Jones Stephens PEXALGAS Gas Piping System

Product Overview

- Standard Product in Europe, Australia and South America
- Exclusively offered in the USA by Jones Stephens (subsidiary of Ferguson Enterprises)
- ICC ES Report certifies compliance with IFCG, IRC, UPC and ASTM F1281
- Manufacturer audited annually by ICC
- Significant labor savings for our customers compared with CSST, Copper, Steel pipe
- To be available for sale in Ferguson branches and from Jones Stephens reps

Safety Advantages

- Designed with Visual Confirmation Windows in fitting to ensure proper assembly
- Intentional and immediate leakage path to ensure complete press
- UV and concrete resistant
- Fire resistant material (rating of C-S2,D0 according to EN 13501-1)
- Improved lightning performance designed into system (bonding not required)
- Double O-ring sealing protection
- Customer and Associate safety improvement – potential reduction of injuries from cutting CSST

Product Advantages

- ~50% faster installation (of fittings than CSST) due to press technology
- ~50% lighter in weight than CSST – ease of handling and installation
- Bendable pipes that retain shape
- Less turbulent flow => smaller pipe diameters than CSST Equivalent
- Recyclable

Quality Manufacturing by Valsir

- Manufacturing experts in Cross Linked and High-Density Polyethylene, Fusion Welding and Aluminum Extrusions
- Production in Europe, Australia, Russia, additional technical support in South Africa and India
- In Business since 1987, 1 of 3 largest producers in Europe, \$60M sales of multilayered pipe (15% for gas application)
- Products widely used in high profile constructions in Italy, France, UAE, Australia, South Africa, etc.

