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# COMMONWEALTH of VIRGINIA

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## DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT

To: DHCD Workgroup 4 2012 USBC IPC, IMC, IFGC and NEC participants

From: Emory Rodgers, Deputy Director, Division of Building and Fire Regulation

Date: June 6, 2012

Subject: Summary of WG 4 meeting - May 30, 2012

### Summary:

- Thanks to Dwayne Roadcap, Kemper Loyd and Susan Douglas with VDH for providing notes on VDH issues.
- Staff went over the 2012 regulatory schedule and DHCD Workgroup meetings for 2012. Key dates are September 24<sup>th</sup> for the 1<sup>st</sup> of two public hearings scheduled; the proposed regulations tentative approval is expected in April or May of 2013; 1<sup>st</sup> BHCD's Codes and Standards Committee meeting in late fall of 2012; 2012 code changes submittal deadline of July, 2013 with stakeholders urged to have code changes in by February of 2013 for consideration and inclusion into the 2012 proposed regulations. Consensus is that there is majority support by the stakeholders. The BHCD's CSC can and has on specific issues moved consensus code changes into the non-consensus block. For the past 12 years, about 85% of the submitted code changes have been consensus. That enables the BHCD to spend more time on non-consensus code changes.
- Staff went through the 2009 USBC baseline 2012 USBC reviewing all the current technical amendments for the IPC, IMC, IFGC and the NEC. Stakeholders were requested to review for retention, amendment or deletion. For example, there will be code changes for rainwater harvesting, gray water and reclaimed water that deletes the current technical amendments; for arc-faults; and, whether any changes are necessary for smoking lounges.
- 2012 USBC/2011 NEC: The Virginia Chapter – IAEL will submit code changes to delete 2009 USBC amendments for arc-faults and sheathing cable for the IRC electrical chapter. The NFPA and NEMA attendees support arc-faults being on all circuits serving habitable rooms. An attendee representing the Virginia IAFF, and also an electrical contractor, voiced opposition. Input is needed from VBCOA, HBAV and electrical contractors. This will be on WG 2 agenda for August 23<sup>rd</sup>.
- I-2 emergency generators discussed and it was determined that there is no need for code change on testing as current NEC has requirements. This item will be taken off this group's list of issues.

- I-2 emergency generator fuel supply. The group discussed code change that staff has heard was approved at ICC for 96 hours supply requirement. Unless code change is submitted, this item will be taken off this group's list of issues.
- Staff requested Virginia Chapter – IAEI representative to provide the 5-10 major 2011 NEC changes with cost estimates for the BHCD's CSC review. Need by end of September, 2012. Please submit these items to Janice Firestone.
- 2012 USBC/2012 IPC: Staff requested VPMIA to provide the 10 major changes with cost estimates by end of September, 2012. Please submit these items to Janice Firestone.
- 2012 IPC discussed hot water dispenser. Covered by IPC 501.6. This item will be taken off this group's list of issues unless code change submitted.
- Discussed need for any changes for cross-connection and grease interceptors. VPMIA will submit code changes from the 2015 IPC on sizing of grease interceptors. This item will be on WG 2 agenda for August 23<sup>rd</sup>. Code change is needed by end of July, 2012.
- Discussed DPOR's policy on water wells and who can do work for pumps. This item will be taken off this group's list of issues as DPOR has rescinded policy.
- Discussed VDH I-2 emergency wells for non-potable uses. This item will be taken off this group's list of issues as IPC covers now. If want to use as potable uses, then code change would be necessary. Clarified that two services that can come from same water supply are needed.
- Discussed VDH proposed regulations to change annual lawn sprinkler cross-connection to 2-3 years. Retain on list as IPC/USBC VMC also now requires annual inspection.
- Discussed incinerator toilets. IPC has requirements and standards/listing. There is a question as to whether VDH or local sewer authorities would still require connection to the septic or public sewer system. DHCD/VDH may need to establish MOA. Retain on list for DHCD/VDH MOA discussions.
- Discussed solar panels and need for guards and review 2015 code changes. For now this item will be taken off this group's list of issues unless code changes submitted.
- Discussed bathroom fixtures requirements for marinas. VDH has regulations and proposed regulations. IPC covers installation, but currently has no scoping. The 2015 IBC will have accessibility requirements for marinas. One attendee expressed support for VDH doing the scoping, but was also concerned over the scoping being based on boat slips. Clearly, the bathrooms and fixtures are USBC matters and whether boat slips is the right scoping can be discussed. The IPC fixture table will be forwarded to the subgroup members for the purpose of inserting scope for marinas as USBC IPC code change along with the proposed VDH marinas regulations. This item will be on WG 2 agenda for August 23<sup>rd</sup>.
- Discussed VDH proposed pool requirements and new ICC pool code. Sub-group formed with Dwayne Roadcap or others, Kris Bridges, Ken Payne and we will need a representative from VPMIA. Cindy Davis and Vernon Hodge will be DHCD facilitators providing space and logistics. Need code changes that define scope for USBC, permit exemptions, placement in the USBC, such as expanded IBC 3109 and IPC sections or an appendix (preferred being in code-ER) and then coordination with VDH so that construction requirements are in the USBC not the VDH regulations. Might take two cycles to do coordination with VDH regulations. Further discussion will be needed as to whether scope is to be at 18 inches or 24 inches, will include all spas and wading pools. Further discussion will be needed as to whether scope is enforceable and not overly stringent. Need to coordinate with VADR on water parks. The subgroup will review proposed pool requirements from VHD. Vernon will arrange a conference call for sometime after July 4, 2012.

- Discussed use of porta potties for events that exceed IPC fixture requirements. Example was high school stadium with overflow crowd. Ken Payne may submit a code change. Right now handled by building officials as modification request. This item will be on the August 23rd WG2 agenda.
- VPMIA, DPOR, VDH and other interested parties should review the Related Laws Package for tables on when contractor's and RDP's are necessary. Janice will send copy of RL package to email list and attendees.
- Discussed rainwater, gray water and reclaimed water code changes, current regulations and IGCC. 2015 IPC P 11 was the major code change discussed and can be the basis for a 2012 USBC code change or set of code changes. The IGCC cannot be adopted as a stand-alone code by the BHCD; VPMIA has submitted code changes to move requirements and standards into the USBC/IPC. There will need to be coordination with VDH rainwater guidelines and DEQ reclaim water regulations. DCR may need to be involved as well. The 2009 USBC technical amendments will be deleted. The code change is for non-portable use. Any stakeholders wanting to have rainwater used for potable uses would need to submit code changes. The format and scope issues such as "approved authority" that is common in the I codes can be resolved to fit into the USBC for inspections, testing and other administrative provisions. The technical provisions would be broken down into rainwater, gray water and reclaimed water requirements where these systems are installed. One attendee didn't support regulations for rainwater while most attendees generally support the direction and having separate sections for each type of water conservation category. A sub-group will be formed: Guy Tomberlin, Valerie Rourke, Dwayne Roadcap, Susan Douglas, Kris Bridges, Jay Schlothauer (name was recommended) or other VBCOA member, Shawn Strausbaugh and we will ask Leslie Middleton with the Rivanna River Basin Commission and Alyson Sappington with the Virginia Association of Soil and Water Conservation Districts to join the group. Cindy Davis will facilitate with Vernon. Cindy will try to do a meeting in July or a conference call. This will be on the August 23<sup>rd</sup> WG 2 meeting agenda and again in November to finalize. The code changes submitted by Guy Tomberlin were attached to the meeting agenda packet which is on our website.
- USBC/IMC review smoking lounges VDH and VPMIA. Any revisions necessary? Should MOA text be inserted into the technical amendments? Some thought no because currently working well. Maybe DHCD and VDH need to review text of MOA? Leave on list of issues for now.
- USBC/IMC Carbon Monoxide issue. The 2012 IBC has the exceptions for location. Kenny Payne will submit a proposal to delete the state amendments so we can use the 2012. This item will be on the August 23rd WG2 agenda.
- USBC/IMC VBCOA/VPMIA to submit code change that if listing says a door isn't required, then one can be omitted. This item will be on the August 23rd WG2 agenda.
- USBC/IMC discussed ducts and sprinklers beyond 75 feet. Take this item will be taken off this group's list of issues.
- USBC/IMC discussed smoke damper code changes for 2015. Take this item will be taken off this group's list of issues unless code changes are submitted.
- USBC/IMC take this item will be taken off this group's list of issues for Section 403, 412, 507, 621 and standard.
- USBC/IMC discussed continuing application of Type 1 hoods; issuance of NOV's by fire inspectors under the SFPC; role and duty of BO/USBC in existing buildings from B, M, churches, etc. Is there a need for a code changes for USBC/IMC and SFPC? Ken Payne to submit one. Technical Review Board decision is attached. The group discussed what

“commercial purposes” means. 2015 ICC/IMC did pass for I-2 that for domestic stoves can use Type 2 hood. Are there other criteria to utilize such as size of commercial or domestic stoves; where located; times utilized; who is being served; and, legislation being introduced exempting type 1 hoods altogether in some occupancies?

- IMC - Staff requested VPMIA to provide the 10 major changes with cost estimates for August 23<sup>rd</sup> WG 2 meeting. Please submit these items to Janice Firestone.
- USBC/IFGC - CSST - this item will be taken off this group’s list of issues.
- USBC/IFGC - purging of industrial gas lines - this item will be taken off this group’s list of issues.