



Solar, Pool Codes Near 2015 Release

TECHNICAL COMMITTEES TAKE FINAL ACTIONS DURING MEETINGS AT IAPMO WORLD HEADQUARTERS

By Mike Flenniken

In accordance with the ANSI-accredited process, IAPMO's TC Meetings are open to the public, affording anybody with a stake in the development of these codes the opportunity to bring forth new ideas and technological advances toward the betterment of the Uniform Codes. To find out more about the procedures necessary for participation at the TC Meetings, direct your web browser to <http://codes.iapmo.org/>

Testing provisions for solar thermal systems, the safe installation of dual-purpose water heaters used in hydronic systems, and the minimum acceptable percent of lead content for pipes and fittings were but a few of the public comments IAPMO's *Uniform Solar Energy and Hydronics Code™ (USEHC)* and *Uniform Swimming Pool, Spa and Hot Tub Code® (USPSHTC)* technical committees reviewed during meetings held Oct. 27 and 28 at World Headquarters West in Ontario, Calif.

The technical committees considered 221 public comments — 150 for the *USEHC*, 71 for the *USPSHTC* — to amend the respective codes in advance of the release of the 2015 editions.

The *USEHC* is an IAPMO-developed model code that governs the installation, repair or maintenance of solar energy, hydronics and geothermal systems. The *USPSHTC*, also a model code developed by IAPMO, governs the installation, repair or maintenance of public and private swimming pools, spas and hot tub systems to ensure the safety of their operation.

USEHC Technical Committee member Phil Ribbs said the meeting went smoothly.

“There was good participation, and it was a well-informed and prepared TC meeting,” he said. “Consensus was reached on a great majority of items, as evident by the balloting.” “As for myself, I learned a lot more about geothermal systems and their applications. Staff did a great job conducting the meetings. It was a bare and open process.”

USPSHTC Technical Committee Chairman Arnie Rodio said his committee's experience and dedication have been vital toward developing the document.

"The *Uniform Swimming Pool, Spa and Hot Tub Code* continues to improve and become a document that will assist jurisdictions in ensuring that pools, spas and hot tubs are built safe and to current standards," he said. "The committee members come from a wide variety of industry and reflect the many components and varied aspects of construction of swimming pools, spas and hot tubs. The *USPSHTC* fills an important niche in the IAPMO body of codes while giving jurisdictions a single document that allows inspectors to address the varied issues that affect construction and maintenance of swimming pools, spas and hot tubs. The technical committee is continuing its dedication to make the next edition even better."

The *USEHC* TC took the following action on proposed comments:

- Accepted as submitted Public Comment 1 for Proposal No. 19, which adds testing provisions for solar thermal systems.
- Accepted as amended Public Comments 1 through 13 for Proposal No. 32, which adds general appliance requirements such as installation, labeling and condensate controls that are consistent with similar provisions found in the *2015 UMC*.
- Accepted as submitted Public Comment 1 for Proposal No. 37, which adds minimum installation, testing and inspection provisions for hydronic systems.
- Accepted as submitted Public Comment 1 for Proposal No. 38, which addresses the acceptable standards necessary for the safe installation of dual-purpose water heaters used in hydronic systems.
- Accepted as submitted Public Comment 1 and Public Comment 2 for Proposal No. 41, which expands on the provisions for expansion tanks to protect a heating system from thermal expansion.
- Accepted as submitted Public Comment 1 for Proposal No. 43, which revises the joints and connections provisions to be consistent with similar requirements found in the *2015 UMC* and the *2015 UPC*.

- Accepted as submitted Public Comments 1 through 11 for Proposal No. 54, which removes all cross-connection-control provisions that are outside the scope of the *USEHC*.
- Accepted as amended the public comment for Proposal No. 69, which adds the necessary minimum freeze protection provisions for solar thermal systems.
- Accepted as submitted the public comments for Proposal No. 88, which will add a new chapter dedicated to duct systems.
- Accepted as submitted Public Comment 1 for Proposal No. 106, which revises the photovoltaic system provisions to correlate with the most current NFPA 70-2014.
- Accepted as amended Public Comment 2 for Proposal No. 111, accepted as submitted Public Comment 1 for Proposal No. 112, accepted as amended Public Comment 1 for Proposal No. 113, and accepted as amended Public Comment 1 for Proposal No. 115, which revises the geothermal provisions to be consistent with current industry standards.

The *USPSHTC* Technical Committee took the following action on proposed comments:

- Accepted as submitted Public Comment 1 and accepted as amended Public Comment 2 for Proposal for No. 15, which addresses the minimum acceptable percent lead contents for pipes and fittings.
- Accepted as submitted Public Comment 2 for Proposal No. 25, which adds the required minimum material standards for drain, waste, vent pipe and fittings.
- Accepted as submitted the public comment for Proposal No. 46, which adds clarity in regards to the construction of decks.
- Accepted as amended the public comment for Proposal No. 47, which updates the requirements for underwater benches and seats.
- Accepted as submitted the public comment for Proposal No. 48, which increases the underwater lighting requirements for aquatic venues.

The Uniform Solar Energy and Hydronics Code technical committee discusses public comments toward the 2015 edition of the code during meetings Oct. 27-28, 2014, at IAPMO World Headquarters in Ontario, CA.

PHOTO BY JEFF ORTIZ

The Uniform Solar Energy and Hydronics Code technical committee discusses public comments toward the 2015 edition of the code during meetings Oct. 27-28, 2014, at IAPMO World Headquarters in Ontario, CA.

PHOTOS BY JEFF ORTIZ



Special thanks to Enrique Gonzalez and Hugo Aguilar from IAPMO Code Development for their assistance in creating this report.



- Accepted as amended Public Comment 1 for Proposal No. 56, which addresses interlock requirements for chemical feed equipment.
- Accepted as amended the public comment for Proposal No. 59, which provides clarity in regards to secondary disinfection systems.
- Accepted as submitted Public Comment 1, Public Comment 2, Public Comment 3 and Public Comment 4 for Proposal No. 66, which revises the water heating equipment provisions to be applicable to swimming pools, spas and hot tubs.
- Accepted as submitted the public comment for Proposal No. 80, which adds new requirements for water slides and landing pools.

The public at large is encouraged and invited to participate in IAPMO's open consensus code development process. A code development timeline and other relevant information are available at IAPMO's website, codes.iapmo.org. 