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**IAPMO Advances Development of 2024 Solar, Hydronics and Geothermal Code and  
2024 Swimming Pool, Spa and Hot Tub Code During Technical Committee Meetings**

**Ontario, Calif. (July 20, 2023)** — The International Association of Plumbing and Mechanical Officials (IAPMO®) concluded technical committee meetings toward the American National Standards Institute (ANSI)-accredited development of the 2024 editions of the *Uniform Solar, Hydronics and Geothermal Code (USHGC®)* and *Uniform Swimming Pool, Spa and Hot Tub Code (USPSHTC®)*.

The technical committees, consisting of a broad coalition of industry experts — installers, inspection officials, contractors, engineers, and manufacturers — considered public comments to amend the *USHGC* and *USPSHTC* in advance of the release of the 2024 editions. Their actions to accept, modify, or reject these comments were electronically balloted to the technical committees for formal voting between June 5-26. The results of these votes will be made public in the Report on Comments to be published for review in September.

The *USHGC* technical committee met and considered public comments seeking to amend the code in such areas as: hangers and supports for piping and tubing; disposal of hydronic fluid; freeze protection; comingling of hydronic system fluid and potable water; expansion tanks; engineered fluid expansion storage systems; oxygen diffusion corrosion; vented closed-loop systems; non-oxygen barrier closed-loop systems; joints between different materials; automatic makeup fluid; drainback systems; combustibles within ducts or plenums; site surveys; shutoff valves for equipment and appliances; ground heat-exchanger installation practices; vertical and horizontal setbacks for ground-heat exchangers; tracer and warning markings for buried piping; simplified schematics for closed-loop and open-loop geothermal energy systems; ambient temperature loops and distributed energy systems; and net zero and net positive buildings.

The *USHGC* is a model code developed by IAPMO to govern the installation and inspection of solar energy systems as a means of promoting the public's health, safety, and welfare.

The *USPSHTC* technical committee met and considered public comments seeking to amend the code in such areas as: construction site fencing; slip-resistant walkway surfaces; artificial and underwater lighting levels; zero-depth entries; pool wall slopes; float lines; finishes and surfaces; handholds; walkways; deck drainage; turnover time; water chemistry; oxidation reduction potential; ozone removal; surge tank storage capacity; and elevated pools, spas, and aquatic venues.

The *USPSHTC* is a model code developed by IAPMO to govern the installation and inspection of both public and private swimming pools, spas, and hot tubs to ensure the safety of their operation.

For specific information about the *USHGC* technical committee, please contact Taylor Duran at (909) 218-8126 or e-mail your question to [taylor.duran@iapmo.org](mailto:taylor.duran@iapmo.org). For specific information about the *USPSHTC* technical committee, please contact Enrique Gonzalez at (909) 230-5535 or e-mail your question to [enrique.gonzalez@iapmo.org](mailto:enrique.gonzalez@iapmo.org).

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Mechanical Officials – works in concert with government and industry for safe,  
sanitary, and resilient plumbing and mechanical systems.  
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