



Building and Code Services Department
Alternative Method Number: 6202-82-5
Code Section: 2021 International Plumbing Code (IPC)
Section 105.2 and IPC Appendix E Table E104.1.

Date: May 28, 2026

Question: Is there an approved method for determining water meter sizes other than what is provided in the city of Kyle's adopted plumbing code?

Applicable Code Section(s): 2021 International Plumbing Code (IPC) Section 105.2 and IPC Appendix E Table E104.1.

Code Analysis and Intent: The 2021 International Plumbing Code Appendix E, Table E104.1 provides the standard method for determining the minimum size of water meters, water service mains, and distribution piping based on Water Supply Fixture Units. While this method is effective, it can be cumbersome for residential applications because it requires consideration of developed pipe length and available water pressure.

The City of Austin has adopted a local amendment to Table 610.1 of the 2024 Uniform Plumbing Code establishing a simplified residential water meter sizing chart, also based on Water Supply Fixture Units. This approach simplifies the sizing process by using a total bathroom count and standard rounding conventions. This streamlined method reduces costs and staff resources while ensuring adequate water supply is provided to all plumbing fixtures.

Conclusion: In accordance with Section 105.2 of the 2021 International Plumbing Code, I find that the use of the City of Austin's local amendment to Table 610.1 of the 2024 Uniform Plumbing Code is satisfactory and consistent with the intent of the City's adopted code. Therefore, I authorize its use as an approved alternative method to the 2021 International Plumbing Code Appendix E, Table E104.1, for water meter sizing determinations of one- and two-family dwellings and townhomes.

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