

Technical Bulletin

Important DOE Zero Energy Ready Home (ZERH) Program Update

THANK YOU FOR YOUR PARTNERSHIP.



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QUESTIONS?
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ZERH Version 1 Revision 9 announced for multifamily building projects.

The US DOE has released an update (Rev. 9) to Multifamily Version 1 of ZERH and deferred implementation of the previously anticipated Version 2 until 2025.

We want to make you aware of the key takeaways from our initial review of this announcement.

ZERH Version 1 Rev. 9:

- Extends Version 1 eligibility to buildings that make their permit application through 2024 (previously this was limited to permit applications dated before the end of 2023)
- Expands eligibility to buildings of any height (previously, this was limited to buildings up to 5 stories)
- Windows must meet the following prescriptive targets by climate zone:

Window Specs Required for DOE Zero Energy Ready Home Projects	Hot Climates IECC CZ 1-2		Mixed Climates IECC CZ 3-4 except Marine		Cold Climates IECC CZ 5-8 and 4 Marine	
	U-factor	SHGC	U-factor	SHGC	U-factor	SHGC
	≤ 0.40	≤ 0.25	[CZ 3] ≤ 0.30 [CZ 4] ≤ 0.30	[CZ 3] ≤ 0.25 [CZ 4] ≤ 0.40	≤ 0.30 = 0.31 = 0.32	Any ≥ 0.35 ≥ 0.40

- Central hot water systems must meet a distribution requirement of 1.8 gallons between the tank or circulation loop and the furthest fixture (previously these were exempt)

If you anticipate applying for a building permit in 2024 your project may be designed and budgeted without certain features we previously discussed in preparation for Version 2, including:

- An unspecified increase in energy efficiency (lower ERI/HERS target score)
- Electric Vehicle Charging and Ready parking space requirements
- PV Ready requirements

However, if your development timeline might lead you to apply for the applicable building permits in 2025, these ZERH v2 features should remain in your design, plans and budgets. On November 27th, DOE released final details of ZERH MF v2 which is now available for [review](#).

We are continuing to digest the documentation associated with this announcement and its many footnotes, as well as the resources now available for ZERH MF v2. We will reach out again if we uncover newsworthy items or a detail that we anticipate may apply to your project.

Thank you for your partnership and continued commitment to high performance construction.