



INTER-CANYON FIRE PROTECTION DISTRICT

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SUPPLEMENTAL RULES & REGULATIONS

Number:	20-B103.1		
Subject:	Fire-Flow Requirements for New Individual One-and-Two Family Dwellings in Rural Areas Without an Adequate and Reliable Firefighting Water Supply		
Code:	2018 International Fire Code	Code Section:	507.3
Code:	2018 International Fire Code	Code Section:	B103.3
Effective Date:	June 1, 2020	Issued by:	Chief Skip Shirlaw
Revision Date:	NA	Issued by:	NA
Supersedes:	NA	Date:	NA

AUTHORITY:

The 2018 International Fire Code §104.1 authorizes the *fire code official* to render interpretations of the fire code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions. Such interpretations, policies, procedures, rules and regulations shall be in compliance with the intent and purpose of the code. Such policies, procedures, rules and regulations shall not have the effect of waiving requirements specifically provided for in the code.

PURPOSE:

To establish rules and regulations regarding fire-flow requirements for new individual one-and two-family dwellings in rural areas without an adequate and reliable firefighting water supply.

SCOPE:

This regulation covers all new individual one-and-two family dwellings within the Inter-Canyon Fire Protection District after the effective date.

CODE REFERENCES:

The 2018 International Fire Code §507.3 states:

507.3 Fire Flow. *Fire-flow requirements for buildings and portions of buildings and facilities shall be determined by Appendix B, as amended.*

The 2018 International Fire Code §B103.3 states:

B103.1 Decreases. *The fire code official is authorized to reduce the fire-flow requirements for isolated buildings or a group of buildings in rural areas or small communities where the development of full fire-flow requirements is impractical.*

SUPPLEMENTAL RULE OR REGULATION:

1. In rural areas more than 1,000 feet from an approved fire protection water supply system, the fire-flow requirements listed in Table B105.1(1) for new individual one-and two-family dwellings is decreased to 30,000 gallons. A minimum 30,000 gallon cistern shall be designed and installed in accordance with fire district policy.
2. In rural areas more than 1,000 feet from an approved fire protection water supply system an *approved* automatic sprinkler system can be installed in new individual one-and two-family dwellings as an alternative to the required water cistern. Fire sprinklers shall be designed and installed in accordance with the National Fire Protection Association Standard for the Installation of Sprinkler Systems in One-and-Two Family Dwellings and Manufactured Homes (NFPA 13D) or the International Residential Code (IRC), Section P2904.

EXPLANATION:

In rural mountainous communities it's sometimes not feasible or cost effective to install and maintain a urban type fire protection water supply system. This policy offers property owners two options for providing alternative fire protection for new individual one-and-two family dwellings.

Option #1 reduces the required fire-flow and for new individual one-and-two family dwellings from 60,000 – 300,000 gallons, depending on house size, to 30,000 gallons. The 30,000 gallon water cistern requirement is the minimum size recognized by the *Insurance Services Office*. It's also consistent with the minimum requirements in the *International Wildland-Urban Interface Code*.

Option #2 provides the option to install an internal fire sprinkler system, which has a proven track record of saving lives and property. In most cases a fire in a sprinklered dwelling is controlled by one sprinkler head, which protects lives and limits fire and water damage in residential dwellings.

We believe this policy provides a reasonable and cost-effective level of fire protection in rural areas and is in compliance with the intent and purpose of the *International Fire Code*.