



# Foothills Fire Protection District

(In case of Emergency call 911)

## Water Supply Policy

The Fire Chief and/or Fire Marshal of Foothills Fire Protection District shall determine the requirements for a credible water supply for fire protection use. New structures constructed within the Foothills Fire Protection District will require a credible water supply. Existing Structures that are to be remodeled or to have additions to existing structures may require a credible water supply as determined by the Fire Chief and/or the Fire Marshal. As a minimum a credible water supply may consist of;

- I. A credible fire hydrant
- II. A cistern.
- III. A dry hydrant/reservoir system
- IV. A fire suppression system.

1. A credible fire hydrant governed by the International Urban-Wildland Interface Code (2012 Edition) and International Fire Code (2012 Edition). In general the requirements are a fire hydrant that flows 1000 gpm for 1 hour and located within 1000 ft of the access to the dwelling.

2. A credible cistern governed by NFPA 1142 (2012 Edition) Standard on Water Supplies for Suburban and Rural Fire Fighting amended to read as follows; Chapter 4, Section 4.2.2 and 4.3.3 to read as follows; The minimum water supply required for a one and two-family dwelling shall not be less than **20,000 gallons. The minimum water supply required for multiple dwellings of separate structures shall not be less than 30,000 gallons.**

3. A credible Dry Hydrant System governed by NFPA 1142 (2012 Edition) Standard on Water Supplies for Suburban and Rural Fire Fighting.

4. A credible fire suppression system governed by NFPA 13D or a P2904 for residential structures amended as follows;

Chapter 4, Section 4.6 to read as follows; Qualifications. The layout, calculation, and installation of sprinkler systems installed in accordance with this standard shall only be performed by people knowledgeable and trained in such systems. **Minimum qualifications for design of such system is NICET 3. System designer shall provide the Fire Chief and/or Fire Marshal written confirmation that system was install in accordance with the design and in compliance with code.**

Chapter 6, Section 6.1.2 to read as follows; Where stored water is used as the sole source of supply, the minimum quantity shall equal the water demand rate times **20 minutes.**



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Chapter 6, Section 6.1.2 **deleted in its entirety.**

Chapter 6, add Section 6.1.3; **Where stored water is used as the sole source of supply for Multipurpose Piping System (Section 6.3) the minimum quantity shall equal the sum of daily domestic use plus fire water demand rate times 20 minutes.**

Chapter 7, add Section 7.8; **Provide a fire department connection (FDC) in an accessible exterior location. Provide a placard above the FDC that reads, MAXIMUM PUMPING PRESSURE OF 80 PSI.**

Chapter 7, add Section 7.9; **Any pump required to operate the fire suppression system shall be powered from a dedicated electrical branch circuit.**