



CAL FIRE - OFFICE OF THE STATE FIRE MARSHAL

Code Interpretation 25-09

Issued: September 23, 2025

Fire Sprinkler – Residential Water Supply

OVERVIEW

Edition: 2022 Title 24 California Building Standards (July 1 Supplement)
Code: Part 9, California Fire Code (CFC)
Section(s): CFC Section 903.3.1.3, Chapter 80 NFPA 13D Section 6.5.2
Requested By: Craig Kodat, Fire Marshal, City of Riverside Fire Department
Date Received: September 26, 2024

QUESTION #1

NFPA 13D Section 6.5.1 and added Section 6.2.4 appear to be similar, however, Section 6.2.4 is a new section and does not amend Section 6.5.1. It is not clear whether both sections are intended to be applied cumulatively.

To comply with the California Fire Code, 2022 Edition, Section 903.3.1.3, would a residential fire sprinkler system in which a water supply serves both domestic and fire sprinkler systems for two or more dwelling units, and where no provision is made to prevent flow into the domestic water system, require application of both NFPA 13D Section 6.2.4 and Section 6.5.1, resulting in a cumulative total of 10 gallons per minute added to the fire sprinkler system demand hydraulic calculation?

ANSWER #1

No, the requirements of NFPA 13D Section 6.2.4 (California amendment) and Section 6.5.1 are not cumulative. Whether a single dwelling or two or more dwelling units, the total increase is not required to exceed 5 GPM.