

**PLACER COUNTY
OFFICE OF EMERGENCY SERVICES**

MEMORANDUM

TO: Honorable Board of Supervisors

FROM: Thomas Miller, County Executive Officer
By Rui Cunha, Emergency Services Program Manager

DATE: January 22, 2008

SUBJECT: Ratification of District Ordinance 2007-05 – Automatic Sprinkler Code of the Squaw Valley Public Service District

ACTION REQUESTED

That your Board ratify Ordinance 2007-05 – Automatic Sprinkler Code of the Squaw Valley Public Service District (SVPSD) and direct staff to transmit your determination.

BACKGROUND

A Uniform Fire Code establishes minimum standards for protection of life and property from fire, explosion and hazardous materials release. Fire districts are authorized by law to enact stricter standards than those in state or local codes. Whereas the Uniform Fire Code remains in effect, the SVPSD Fire Prevention Code, Chapter 6, Division IV focuses on standards for automatic sprinkler extinguisher systems, localizing and supplementing the existing code. This code has been reviewed and approved as written by the Placer County Building Department, and your Board's ratification is required by Health and Safety Code Section 13869.7.

This new Division IV of Chapter 6 of the SVPSD Fire Code supersedes all previous versions and was passed by the District's Board of Directors at its publicly noticed meeting on November 27, 2007.

FISCAL IMPACT

There is no fiscal impact to the County with the approval of this Ordinance. The Automatic Sprinkler Code is enforced by the Squaw Valley Public Service District and any appeals will go to the District's Board for resolution and enforcement.

Attachments

- Division IV, Chapter 6 of the Fire Prevention Code of the Squaw Valley Public Service District: Standards for Automatic Sprinklers and Extinguisher Systems - on file with Clerk of the Board for public review.
- Ordinance 2007-05 of the Squaw Valley Public Service District: Findings of Fact and Need for Changes or Modifications to the State Building Standards Code because of Local Conditions - on file with Clerk of the Board for public review.

ORDINANCE 2007-05

AN ORDINANCE OF THE SQUAW VALLEY PUBLIC SERVICE DISTRICT
ADOPTING REVISIONS TO DISTRICT ADMINISTRATIVE CODE CHAPTER 6
(FIRE PREVENTION CODE) DIVISION IV AUTOMATIC SPRINKLERS

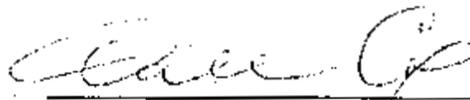
BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE SQUAW VALLEY
PUBLIC SERVICE DISTRICT AS FOLLOWS:

1. The Board of Directors of the Squaw Valley Public Service District does hereby adopt revisions to Chapter 6, Fire Prevention Code, Divisions IV (Standards for Automatic Sprinklers & Extinguisher Systems) of the District Administrative Code, which changes are set out on the attached pages, and shall become effective January 1, 2008.
2. This ordinance shall be posted in two (2) conspicuous places located within the boundaries of the Squaw Valley Public Service District.
3. If any provision(s) of this ordinance or application thereof to any person or circumstance is held invalid, no other provision of this ordinance shall be affected thereby.
4. To the extent that the terms and provisions of this ordinance may be inconsistent or in conflict with the terms and conditions of any prior District ordinances, resolutions, rules, regulations or policies governing the same subject, the terms of this ordinance shall prevail with respect to the subject matter thereof and such inconsistent and conflicting provisions of prior ordinances, resolutions, rules, regulations and policies are hereby repealed.
5. Nothing herein contained shall be construed to limit the authority of the Board of Directors to amend, supplement or change this ordinance or any regulations applicable thereto from time to time.

PASSED AND ADOPTED this 27th day of November 2007 at a regular meeting of the Board of Directors of the Squaw Valley Public Service District duly called and held by the following vote:

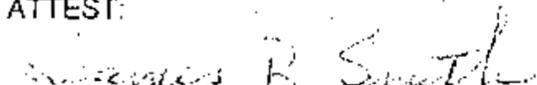
| | |
|----------|--|
| AYES: | Directors Cox, Dutton, Moberly and Poulsen |
| NOES: | None |
| ABSENT: | Director Wilcox |
| ABSTAIN: | None |

APPROVED:



Dale Cox, Board President

ATTEST:


James R Smith, Board Secretary

DIVISION IV STANDARDS FOR AUTOMATIC SPRINKLERS AND EXTINGUISHER SYSTEMS

Section 4.01 Performance Criteria

This standard for an automatic sprinkler system is designed using the following performance criteria:

- A. To allow building occupants to escape safely.
- B. To prevent flashovers.
- B. ~~To save lives immediately adjacent to the fire and limit internal structural damage exposures.~~
- C. To limit internal structural damage and ~~To~~ confine the fire to the area of origin.
- D. To limit the number of fire personnel needed to combat a fire.
- E. To consider the arrival time ~~Anticipated reaction time~~ for fire personnel due to inaccessibility or bad weather.
- F. To consider the availability of an adequate water supply at the residence.

All automatic fire extinguishing systems, standpipe systems, alarms, smoke and heat ventilators, smoke removal systems, hood and duct systems, or other fire and life safety systems or appliances shall be designed, installed, inspected, tested and maintained in compliance with National Fire Protection Association (NFPA) standards Specifications. Copies of all inspection reports shall be provided to the Squaw Valley Fire Chief.

Section 4.02 Fees

The cost of inspection and plan review by the Squaw Valley Fire Department shall be the responsibility of the developer. Billing will be on a time and materials basis.

Section 4.03 Structures Requiring Automatic Fire Sprinklers and/or Fire Extinguishing Systems

~~In addition to the~~ The following requirements shall be added to of the requirements of the latest revision of the California Building Code (CBC) and Uniform California Fire Code (CFC), as adopted by Placer County. The following requirements shall be added to National Fire Protection Association Standards 13, 13-D and 13-R Section 1003.2.2 of the U.F.C., N.F.P.A. 13, N.F.P.A. 13-D, and N.F.P.A. 13-R concerning automatic fire extinguisher systems. The following categories shall have installed throughout the structure a fully supervised, automatic fire sprinkler and/or fire extinguishing system:

- A. All new buildings, except as exempted by this Section or by the Fire Chief's discretion using the latest version of the CFC, U.F.C.

These type buildings As defined by the CBC, occupancy types include, but are not limited to, the following:

1. Group A Divisions 1, 2, 2.1, 3, 4 (Assembly)
 2. Group B (Business)
 3. Group E Divisions 1, 2, 3 (Educational)
 4. Group F Divisions 1, 2 (Factory, Industrial)
 5. Group H Divisions 1, 2, 4, 7 (Hazardous)
 6. Group I Divisions 1.1, 1.2, 2, 3 (Institutional)
 7. Group M (Mercantile)
 8. Group R Divisions 1, 2, 3, 6 (Residential) lodging houses or residential dwelling units as described in Items C, D, and E, and F below
 9. Group S Divisions 1, 2, 3 (Storage)
 10. Group U Division 1 (Utility)
- B. All existing buildings, other than one- or two-family dwellings, where the floor area affected by the **new construction** exceeds 20 percent of the **existing** floor area, of that **existing** existed prior to the new construction.
- C. New construction in or to of a one- or two-family dwelling which exceeds 20 percent of the floor area existing prior to the new construction in a location where the water supply is not capable of delivering a minimum fire flow of 1,000 gallons per minute, of a floor area greater than 3600 square feet.
- D. New construction in or to of a one- or two-family dwelling which exceeds 20 percent of the floor area existing prior to the new construction in a location where access by fire apparatus is compromised, with water supply not capable of delivering the required fire flow (1,000 gpm).
- E. New construction in or to an existing one- or two-family dwelling within ten years of issuance of the most recent Building Permit, which results in floor area greater than 3600 square feet.
- F. E. New construction in or to an existing one- or two-family dwelling which exceeds 20 percent of the floor area existing prior to the new construction and where the resulting floor area is greater than 4200 square feet, (including both Group R Division 3 (single-family dwelling- residential living space) and Group U Division 1 (garage) occupancies).
- F. Demolition of an existing building or residence and replacement with a new or substantially new structure. (EXCEPTION: A building or residence that has been damaged by fire, flood, avalanche, mudslide, or other calamity, may be reconstructed without a fire sprinkler system, unless sprinklers would be required by one of the conditions in the foregoing paragraphs.)

Floor area of a building shall be calculated utilizing the same method as that used by the Placer County Building Department. The floor areas of all buildings on a single lot shall be combined into one total figure for the purpose of determining floor area of a given occupancy type, by measuring

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~~from the interior surface of the exterior walls. Interior walls are included in the calculation. The floor areas of all buildings on a single lot shall aggregate into one combined figure for the purpose of determining floor area of a given occupancy type.~~

A change in occupancy may call for the installation of a fire sprinkler system conforming to N.F.P.A. standards for the new use. **For example, a change in occupancy from Group M to Group B - B-1 to R-1 will call for a sprinkler system.**

~~Where required, fire sprinklers may be omitted from attached private garages less than 1,500 square feet if a minimum one (1) hour occupancy separation is installed between the garage and attached dwelling and smoke or fire detection is installed. [Section 4.03 amended by Ord. 91-2 and 98-1]~~

Modified language for the Oct 30, 2007 public hearing is shown in bold print.

Squaw Snow 12-14-07

| Legal and Public Notices 1000 | Legal and Public Notices 1000 |
|--|-------------------------------|
| <p>Summary of Ordinance 2007-05 Squaw Valley Public Service District Revisions to District Code Chapter 6 Fire Prevention Code Division IV Automatic Sprinklers (Effective January 1, 2008)</p> | |
| <p>The Board of Directors adopted Ordinance 2007-05 on November 27, 2007 following four (4) public hearings.</p> | |
| <p>Highlights include revising District Code to follow requirements of the latest revision of the CA Building Code and CA Fire Code to require automatic fire sprinkler and/or fire extinguishing system throughout the structure and on remodels where new construction exceeds 20% of existing floor area prior to the new construction.</p> | |
| <p>The full text of the Ordinance may be obtained at the District office, 305 Squaw Valley Road, Olympic Valley. Questions concerning this Ordinance are to be directed to Chief Peter Bansen, Squaw Valley Fire Department, 583-6111.</p> | |
| <p>Squaw Valley Public Service District By James R Smith, Board Secretary Posted: December 4, 2007 Pub: Dec. 7, 14, 2007</p> | |
| <p>Ad #82505185</p> | |



SQUAW VALLEY PUBLIC SERVICE DISTRICT

305 Squaw Valley Road
Post Office Box 2026
Olympic Valley, CA 96146-2026

Phone: (530) 583-4692 FAX: (530) 583-6228
www.svpsd.org

**Summary of Ordinance 2007-05
Squaw Valley Public Service District
Revisions to District Code Chapter 6
Fire Prevention Code Division IV Automatic Sprinklers
(Effective January 1, 2008)**

The Board of Directors adopted Ordinance 2007-05 on November 27, 2007 following four (4) public hearings conducted by the Board of Directors.

Highlights include revising District Code to follow requirements of the latest revision of the CA Building Code and CA Fire Code to require automatic fire sprinkler and/or fire extinguishing system throughout the structure and on remodels where new construction exceeds 20% of existing floor area prior to the new construction.

The full text of the Ordinance may be obtained at the District office, located at 305 Squaw Valley Road, Olympic Valley. Questions concerning Ordinance 2007-05 are to be directed to Chief Peter Bansen, Squaw Valley Fire Department.

Squaw Valley Public Service District
By James R Smith, Board Secretary
Posted: December 4, 2007
Published: December 7, 14, 2007 *Sierra Sun*



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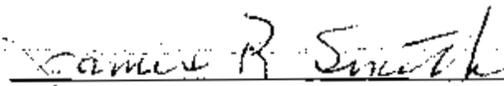
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SECRETARY'S CERTIFICATE

The undersigned, Secretary of the Board of Directors of the Squaw Valley Public Service District, Placer County, California, hereby certifies as follows:

The attached reproduction is a true and correct copy of Ordinance 2007-05, adopted by the Board of Directors at a regular meeting held on November 27, 2005, at which meeting a majority of the Board was present. The original document is on file in the office of the Board Secretary.

Dated: 12-26-07



James R Smith, Board Secretary
Squaw Valley Public Service District