

About the Fire Safe Regulations



Today's Purpose & Goals

 Opportunity for the public to comment before the proposed changes are formally presented to the Board.

Collect feedback on the proposed changes – consulting team is gathering additional thoughts to further revise and refine the standard before the December Board meeting.
 We won't be making changes to the proposed regulations at the meeting. This is the proposed changes as well as the incorporated most be final draft of the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most be needed by the proposed changes as well as the incorporated most by the proposed changes as the incorporated most by the proposed changes as the proposed changes as the proposed changes as the proposed most by the proposed changes as the proposed most by the proposed changes as the proposed changes as

Additional opportunities to comment

- Email anytime: <a>Edith.Hannigan@bof.ca.gov
- Public workshops: November 18, November 24 (recordings available at boffire.ca.gov)

Board Committee Meeting: December 8
 Board Committee Meeting:/January 19 and 10
 APA formal fullemaking Public Comment period (approx. Feb Ury 5
 March 23)

Article 1: Administration

- iew of Significant Changes
- Defined "building construction" and other terms for greater clarity regarding to what development activities these regulations apply.
- Established applicability to LRA VHFHSZ based on amendments to PRC 4290.
- Changed option for "same practical effect" to "alternative means of compliance" to improve the consistent application of the regulations.



Article 1:	Key Proposed Changes
Current Section	Proposed Change
1270.00 Title	 "SRA Fire Safe Regulations" => "State Fire Safe Regulations"
1270.01 Purpose	 Simplified language to establish these minimum regulations are for fire safety in Building Construction
1270.02 Scope	 Simplified scope – defined "Building Construction" rather than spell out all the possible development processes the regulations might or might not apply to Maintained exemption for building permits on pre-1991 parcel maps in the SRA, and for roads exclusively used for agriculture, mining, and timber harvesting
1270.03 Provisions for Application of these Regulations	Editorial fixes

More on § 1270.02 Scope

- (a) These regulations shall apply to-(1) the perimeters and aAccess to all residential, commercial, and industrial Bauilding eConstruction within the SRA approved after January 1, 1991, and within the LRA VHFHSZ approved after July 1, 2021, except as set forth below in subsections (b-) and (c).
- (b) These regulations do not apply where an application for a building permit in the SRA is filed after January 1, 1991 (c) in the regardless that opport an opport of a particle that was formed from a parcel map or tentative map (if the final map for the tentative map is approved within the time prescribed by the local ordinance) approved prior to January 1, 1991, to the extent that conditions relating to the perimeters and access to the buildings were imposed by the parcel map or final tentative map approved prior to January 1, 1991.
- (fc) EXEMPTION: Roads-These regulations shall not apply to Roads used solely for agricultural, mining, or the management and harvesting of wood products.

More on § 1270.02 Scope, con't

- Simplifying to reduce confusion • Existing language tries to list all relevant planning and
- development processes that might be subject to these regulations
- We are proposing that by using some key defined terms instead, this section will be clearer and easier to implement
- **Key Defined Terms**
- New terms - "Access"
 - "Building Construction"
- Existing terms remaining
- unchanged -"Roads"
- "Structures"

More on § 1270.02 Scope, con't

"Access"

- The ability or means to enter or approach a Structure subject to this Subchapter, including all Roads that provide fire apparatus ingress and egress from a fire station to a Structure Structure.
- Heavily borrowed from definition of "fire apparatus access road" in CFC sec. 202
 - FC Sec. 202 A road that provides fire apparatus access from a fire station to a facility, building or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, private street, parking lot lane and access roadway.

"Building Construction"

• Any modification to a parcel(s), road(s), driveway(s), or structure(s) that increases the number of residential units; increases the service capacity of a commercial enterprise or commercial use; or increases the number of persons on the premises of an industrial site. "Building Construction" does not include the replacement of lost structures due to disaster, to the dearee that replacement does not increase site intensity as described.

Article 1: Key Proposed Changes

Current Section	Proposed Change
1270.04 Local Ordinances	 No certification process Re-iterates statutory requirement that these standards do not supersede stricter local requirements. Provides standards for establishing whether a local requirement equals or exceeds these standards.
1270.05 Inspections	 New subsection establishes criteria for delegation of inspection authority from CAL FIRE to local jurisdictions.

More on § 1270.04 Local Ordinances

oposed Change No certification process

- (a) These regulations shall serve as the minimum standards applied in SRA and LRA VHFHSZ. However, these regulations do not supersede local regulations which equal or exceed the minimum standards of this subchapter.
- (b) A local regulation may_equal or exceed a minimum standard of this Subchapter where the local regulation meets or exceeds the performance- or prescriptive-based standard in this Subchapter.
- (c) A local regulation shall not equal or exceed a minimum standard adopted by the state where the local regulation does not meet the performance or prescriptive based standard in this subchapter. •
- (d) A local regulation shall not equal or exceed the minimum standards of this Subchapter if such regulation Includes exemptions or exceptions to Building Construction that are not enumerated in this Subchapter. Exceptions requested and approved in conformance with § 1270.06 may be granted on a case-by-case basis. Exemptions not enumerated in these regulations shall not be granted.

More on § 1270.05 Inspections

- Existing language in subsections (a), (b), (c), and (d) remains unchanged except for renumbering (b)-(d) as (c)-(e) and some cleanup to address LRA VHFHSZ applicability.
 - New subsection (b) establishes criteria under which the Director may delegate CAL FIRE's inspection authority to local jurisdictions.

 - local jurisdictions.
 Local jurisdiction has enough resources to conduct inspections
 Local jurisdiction acknowledges that CAL FIRE's authorities under subsection (c) (previously (b)) are not waived or restricted
 Director may impose additional criteria to the delegation to ensure that the delegated inspection authority is performed responsibly.
 Local jurisdiction consents to the delegation
 Director may revoke the delegation
 Director may revoke the delegation at any time
 Delegation of authority, or revocation of authority, shall be documented in writing and retained on file at the CAL FIRE unit headquarters.

Current Section Proposed Change 1270.06 Exceptions to Standards Defined "Exception from the standards must propose an alternative means of compliance Where a local jurisdiction approves an Exception appeal that the fire inspector denied, the jurisdiction must make findings relating to the ability of the Exception for provide for fire safety and include a statement of reasons for overriding the fire inspector. 1271.00 Definitions Defined key terms to simplify the regulatory standards, particularly in regards to terms used in Article 1 and Article 5. General cleanup.

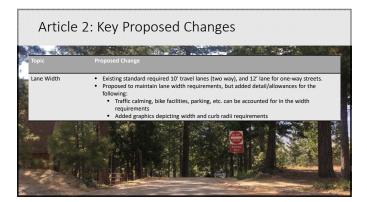
More on § 1270.06 Exceptions

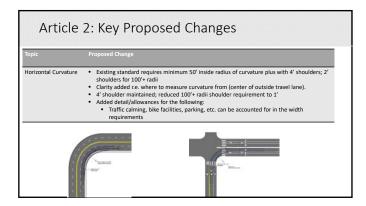
roposed Change

- Specifies that the requirements in this section apply to exception requests from standards in the State Fire Safe Regulations as well as exceptions from local standards determined to equal or exceed the State standards.
- More specific requirements for demonstrating the need for the exception and allowable alternatives to the
- Exceptions to a constrained on economicating are need of the enception and anyone encountered of the specified standard.
 Exceptions shall only be granted where the applicant provides for an alternative means to substantially comply with the minimum standards provided in this subchapter.
- More specific requirements for overriding an inspector when the inspector has denied an exception request
 (e) If an appeal is granted, the local jurisdiction shall make findings that the <u>Exception decision meets the minimum standards in this subchapter</u>, instend of providing adensible repace consistent with these regulation Such findings shall include a statement of reasons for <u>overriding</u> the decision <u>of the inspector</u>.

Existing Sections	Proposed Sections
1273.00 Intent	1273.00 Intent
1273.01 Width	1273.01 Road Alignment and Curvature
1273.02 Road Surfaces	Horizontal and Vertical Curves/ Curb Radii Surface
1273.03 Grades	Elevated or Bridge Structures
1273.04 Radius	Grades
1273.05 Turnarounds	1273.02 Road Dimensions and Clearance Width and Horizontal Clearances
1273.06 Turnouts	Vertical Clearances Maximum Lengths of One-Way Roads
1273.07 Road and Driveway Structures	Maximum Lengths of Dead-End Roads
1273.08 Dead-End Roads	Secondary Access/Egress Turnouts
1273.09 Gate Entrances	Turnarounds Gate Entrances/Driveways

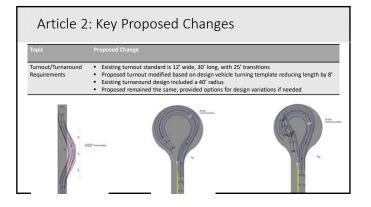








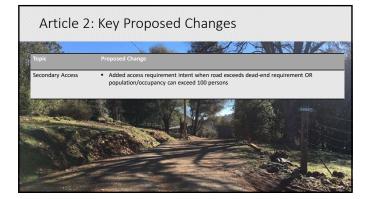




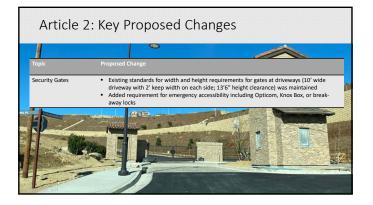


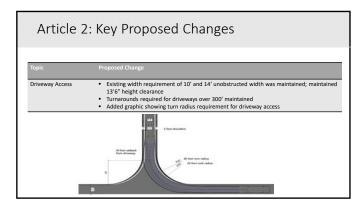
Торіс	Proposed Chai				
	Surface Added	Noted that extreme weather areas may require a lower grade requirement			
	Table 1. Requirement	to for Grades of 15.20%			
	Table 1. Requiremen Grade Range	ts for Grades of 16-20% Surface Treatment	Additional Design Requirements		











Article 3: Signing and Building Numbering

Existing Sections

1274.00 Intent

1274.01 Road Signs 1274.02 Road Sign Installation, Location, and

Visibility 1274.03 Addresses for Buildings

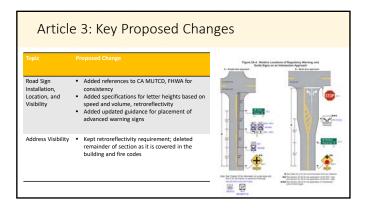
1274.04 Address Installation, Location, and Visibility

1274.00 Intent

1274.01 Road Name Signs

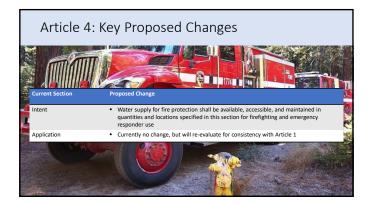
1274.02 Road Sign Installation, Location, and Visibility

1274.03 Addresses for Buildings



Article 4: Fire Water Supply (previously called Emergency Water Standards)

Existing Sections	Proposed Sections
1275.00 Intent	1275.00 Intent
1275.01 Application	1275.01 Application
1275.02 Water Supply	1275.02 Approved Fire Water Supply
1275.03 Hydrants and Fire Valves	1275.03 Identification of Water Sources
1275.04 Signing of Water Sources	1275.04 Access to Water Sources
	1275.05 Municipal Water System Hydrants and Fire Valves
	1275.06 Dry Hydrants
	1275.07 Alternative Water Supply
	1275.08 Mobile Water Supply (Water Tenders)
	1275.09 Protection of Fire Water Supply Infrastructure from Wildfire



Article 4: Key Proposed Changes

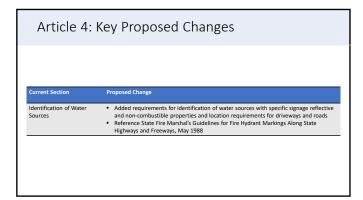
Proposed Change

Current Section

- Approved Fire Water Supply
 Added minimum requirements for flow that align with California Fire Code, California Code of Regulations Title 24, Part 9, Appendix B and Appendix BB

 • Alternative/ performance-based measures reference NFPA 1142 (2017) as referenced in the California Fire Code

 • Added requirement for fire water system to be installed and serviceable; unless alternative measures have been approved by the local jurisdiction



Article 4:	Key Proposed Changes
Current Section	Proposed Change
Access to Water Sources (New)	 Reference Article 2 requirements for water supplies that are accessible by roads regulated by Article 2 International Fire Code Appendix D by reference for additional performance-based requirements

Article 4: Key Proposed Changes

Proposed Change

Municipal Water System Hydrants and Fire Valves (Updated) • Added a performance-based alternative that will meet the minimum requirements of 500 gpm

Current Section

Current Section

Current Section

Dry Hydrants (New)

Article 4: Key Proposed Changes

Proposed Change

 Referenced NFPA 1142 (2017) Chapter 8 (8.3, 8.4, 8.5, 8.6, 8.7 and 8.8) for design standards of dry hydrants

Article 4: Key Proposed Changes

Proposed Change

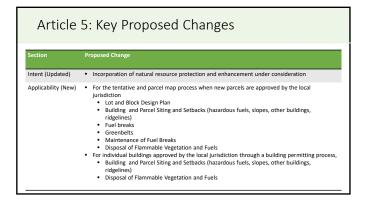
Alternative Water Supply • Requirements for the NFPA 1142 (2017) Annex B as the minimum requirements for each alternative to be presented for approval by the local jurisdiction

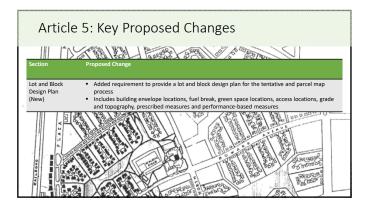
Current Section	Proposed Change
Mobile Water Tenders	Will be allowed as an alternative water supply:
(New)	 During the construction phase of a new development, prior to the permanent fire water delivery system installation
	 When the local jurisdiction, through a finding of fact, has determine that all other means of water supply is unachievable.
	 The mobile water supply must be capable of providing 500 gpm for a 1-hour duration within 5 minutes of the arrival of the first apparatus
	 The NFPA 1142 (2017) Annex C will be used for guidance to mobile water supplies to achieve minimum fire flow requirements

 Protection of Fire Water Supply Infrastructure (New)
 Proposed Change

 Protection of Fire Water Supply Infrastructure (New)
 • Requirements for protecting fire water supply infrastructure from radiant and convective heat, by: • Burial • Construction with non-combustible materials • Installation of defensible space • Buildings to meet the California Building Code, California Code of Regulations Title 24, Part 2, Chapter 7A requirements

Article 5: Building Sitin (previously called Fuel Modification Sta	ng, Setbacks & Fuel Modification
Existing Sections	Proposed Sections
1276.00 Intent	1276.00 Intent
1276.01 Setback for Structure Defensible Space	1276.01 Applicability
1276.02 Maintenance of Defensible Space Measures	1276.02 Lot and Block Design Plan
1276.03 Disposal of Flammable Vegetation and Fuels	1276.03 Building and Parcel Siting and Setbacks
1276.04 Greenbelts	1276.04 Ridgelines
	1276.05 Fuel Breaks
	1276.06 Greenbelts
	1276.07 Maintenance of Fuel Breaks
	1276.08 Disposal of Flammable Vegetation and Fuels







Article 5: Key Proposed Changes

NEW Sections	Proposed Change
Ridgelines (New)	 Prohibition of new development within 100 feet of ridgelines to reduce structure vulnerability and provide strategic fire suppression opportunities (per legislative requirements) Ridgelines are defined as: the line of intersection at the top of any two opposing slope aspects where at least one of the slope aspects share. The advect of 15% or greater, measured over a 100-foot slope distance, and the opposing slope aspect has a gratest measured over a lou-foot slope distance, and the opposing slope aspect has a of% grade or greater. The local jurisdiction shall identify ridgelines that are strategically important for fire suppression operations
oto Credit: Wildland Professy	

NEW Sections	Proposed Change	
Greenbelts (Updated)	New Greenbelt definition: Land use designation intended to protect agricultural lands, open space, parks, wildlands, or a combination thereof, which surround a city or urbanized area, and restrict or prohibit development. Referenced back to fuel Breaks requirements for portions of the Greenbelts that are strategic Fuel Breaks Added large sports fields, golf courses, or some agricultural fields (depending on crop) tha can serve as areas or freque for public/ potential safety zones for firefighters which must meet minimum standards that are acceptable to the local jurisdiction Note: Greenbelt areas intended for public areas are fuge, or fieldplars targety zones must be carduly evaluated by fire behavior experts for this potential under local "worst case" fire scenarios and the fire behavior imitations and threadost.	

Article 5: Key Proposed Changes

Maintenance of Fuel • No changes (except the title)

Breaks (Updated title only)

Disposal of Flammable • Added site impact and cumulative effect consideration, such as ecological, aesthetics, safety, and other factors.

Wrap-Up & Next Steps

- Strikeout version available December 1, 2020
 Presentations to the Board of Forestry and Fire
- Protection December 8, 2020
- Final proposal to the Board of Forestry and Fire Protection January 19, 2021
- Formal 45-day Public Comment Period begins February 5- March 23, 2021



