

**ORDINANCE NO. 3659**

**AN ORDINANCE OF THE MARIN COUNTY BOARD OF SUPERVISORS:**

**(1) RETITLING CHAPTER 16.10 OF THE MARIN COUNTY CODE, AMENDING THE FEE STRUCTURE OF THE FIRE DEPARTMENT FIRE PREVENTION FEE SCHEDULE AND PARAMEDIC/AMBULANCE FEE SCHEDULE IN CSA 28 AND AUTHORIZING COLLECTION OF SPECIFIC FIRE PREVENTION REVIEW FEES BY THE MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY; (3) REPEALING CHAPTER 16.16 OF THE MARIN COUNTY CODE; (4) ESTABLISHING NEW CHAPTER 16.16 RELATING TO: (A) MARIN COUNTY ADOPTION OF AND AMENDMENTS TO SPECIFIC PROVISIONS OF THE 2015 INTERNATIONAL FIRE CODE, THE 2016 CALIFORNIA FIRE CODE AND 2015 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE; (B) PRESCRIBING REGULATIONS GOVERNING CONDITIONS HAZARDOUS TO LIFE AND PROPERTY FROM FIRE OR EXPLOSION; (C) PROVIDING FOR THE ISSUANCE OF PERMITS FOR HAZARDOUS USES OR OPERATIONS; AND (D) ESTABLISHING A FIRE PREVENTION BUREAU AND PROVIDING OFFICERS THEREFOR AND DEFINING THEIR POWERS AND DUTIES.**

**THE BOARD OF SUPERVISORS OF THE COUNTY OF MARIN HEREBY ORDAINS AS FOLLOWS:**

**SECTION I. CHAPTER 16.10**

**A. FINDINGS:**

- 1.** In 2010, the Board of Supervisors enacted Ordinance No. 3550 setting forth Paramedic Fees and the Fire Department Fire Prevention Fee Schedule (Chapter 16.10 of the Marin County Code). At that time, Chapter 16.10 was titled County Service Area 28 Paramedic Fees when it should have been titled County Service Area Paramedic Fee Schedule and Fire Prevention Fee Schedule; and
- 2.** The Fire Prevention Fee Schedule needs to be updated to reflect the actual cost of staff from the Marin County Fire Department to conduct reviews and inspections, and shall include the fee increases set forth in Exhibit A. Additionally, the Fire Department should be authorized to collect fees to recover its actual costs for miscellaneous services not reflected in Exhibit A. Finally, the Fire Department is authorized to raise the fees set forth in Exhibit A 3% per year for three years (effective July 1 of each year) to reflect increases in the cost of staff and materials.
- 3.** Fees for basic life support and advanced life support ambulance and paramedic services furnished by the Fire Department in CSA 28 need to be increased to reflect the actual cost of providing these services and accordingly, Exhibit A to Chapter 16.10 of

the Marin County Code should be amended to reflect such increases. Finally, the Fire Department is authorized to raise the fees set forth in Exhibit A 3% per year for three years (effective July 1 of each year) to reflect increases in the cost of staff and materials.

The collection of specific fees for the Fire Prevention review should be obtained upon the submittal of plans to the Community Development Agency by an applicant where a discretionary review is necessary. Additionally, such collection of fees should properly involve a \$32 surcharge for the actual administrative costs incurred by the Community Development Agency. The following fees from the Fire Department Fire Prevention Fee Schedule should be collected by the Community Development Agency: (a) Planning Department Discretionary Permit Review; (b) Vegetation Management Plan Review in conjunction with a Planning Department Discretionary Permit; (c) Tentative Map (Land Division and Subdivision) Review; (d) General Review and Consulting Services, which includes Technical Advisory consultation and review of environmental studies. Finally, the Fire Department is authorized to raise the fees set forth in Exhibit A 3% per year for three years (effective July 1 of each year) to reflect increases in the cost of staff and materials.

## **B. CHANGES TO CHAPTER 16.10 OF THE MARIN COUNTY CODE**

Chapter 16.10 of the Marin County Code is hereby amended to read as follows:

### **CHAPTER 16.10 County Service Area Paramedic Fee Schedule and Fire Prevention Fee Schedule**

The following Sections to Chapter 16.10 are amended or added as set forth below:

#### **Sections:**

<b>16.10.040(a)</b>	Increase in Fees (amended)
<b>16.10.040(b)</b>	Fees for Services (amended)
<b>16.10.040(c)</b>	Discretionary Review Fees; Collection by CDA
<b>16.10.040(d):</b>	Annual Fee Increases(new)
<b>Exhibit A</b>	Amended Paramedic/Ambulance Fee Schedule; Fire Prevention Fee Schedule

**Section 16.10.040(a)** is amended to **add** the following at the end of the first sentence:

**Section 16.10.040(a):** Such fee increases shall include the fees relating to the Paramedic/Ambulance Fee Schedule and the Fire Prevention Fee Schedule set forth in **Exhibit A** (attached hereto and incorporated herein by reference) and the specific fees outlined in Section 16.10.040(c).

**Section 16.10.040(b)** is amended in its **entirety** to read:

**Section 16.10.040(b):** The fees for services for fiscal year 2016/2017 are set by this Ordinance (amended **Exhibit A** to Section 16.10) and the Board of Supervisors declares that such fees are the reasonable cost of providing the services and the Paramedic/Ambulance Fee Schedule and Fire Prevention Fee Schedule are amended as set forth in **Exhibit A** to reflect actual costs. Additionally, the Fire Department is hereby authorized to charge fees for any miscellaneous services incurred by the Fire Department that are not specified in **Exhibit A** at an hourly rate of \$187. Any such fees shall not exceed the costs of the services rendered.

Section 16.10.040(c) is **enacted**.

**Section 16.10.040(c):** The following Fire Prevention Fees shall be collected by the Community Development Agency upon submittal of plans to the Community Development Agency. In addition to the fees outlined below, there shall be a surcharge of \$32 for the actual administrative costs incurred by the Community Development Agency and thus, an added administrative fee is authorized in addition to the Fire Prevention Fee set forth below:

- (1) Planning Department Discretionary Permit Review: This fee is \$320.
- (2) Vegetation Management Plan Review in conjunction with a Planning Department Discretionary Permit: This fee is \$365.
- (3) Tentative Map (Land Division and Subdivision) Review: This fee is \$729.
- (4) General Review and Consulting Services: This fee is \$187 per hour and includes services such as Technical Advisory consulting and reviews of environmental studies.

Section 16.10.040(d): Annual Fee Increases: The Fire Department is authorized to raise the fees set forth in Sections 16.10.040(a), (b) and (c) including Exhibit A 3% per year for three years (effective July 1 each year) to reflect increases in the cost of staff and materials.

## **EXHIBIT A**

### **COUNTY SERVICE AREA 28 PARAMEDIC/AMBULANCE FEE SCHEDULE AND FIRE PREVENTION FEE SCHEDULE**

#### **CSA 28 PARAMEDIC/AMBULANCE FEE SCHEDULE**

The Board of Supervisors for County Service Area 28 establishes the following fee schedule. The Marin County Fire Department shall charge the following fees for basic life support and advanced life support ambulance and paramedic services

furnished by the department pursuant to the creation of County Service Area 28. These fees reflect the actual cost of providing these services.

**Based Rate Fee Schedule:**

Advanced life support 1 base rate:	\$1,882.00
Basic life support base rate:	\$ 1,882.00
Mileage:	\$ 48.15 per mile
Oxygen	\$ 124.97
Extra Attendant	\$ 125.50
Wait Time	\$ 69.20
First Responder	\$ 375.00
BLS Disposable Supplies	\$ 303.67
ALS Disposable Supplies	\$ 363.67
IV Supplies	\$ 79.90
12 Lead Electrocardiogram	\$ 285.00
3 Lead EKG	\$ 156.48

**FIRE PREVENTION FEE SCHEDULE**

The Board of Supervisors establishes the following fees for the Fire Department Fire Prevention Bureau. These fees reflect the actual costs of providing the services. The fee schedule reflects the minimum time that county staff will expend on plan check and inspections. Where a minimum is set, that minimum reflects the fact that the plan check and/or inspection will take at least the amount of time that is indicated. Should further time be required, then the rate of \$187 per hour shall be applicable. Additionally, the Fire Department is hereby authorized to charge fees for any services incurred by the Fire Department when reviewing permit applications or performing services that are not reflected in this Exhibit A at an hourly rate of \$187 per hour.

<b>Residential Fire Sprinkler System</b>	<b>\$</b>	<b>365.00</b>
<b>Commercial Fire Sprinkler System</b> (Overhead Piping 31 heads or more)	<b>\$</b>	<b>547.00</b>
<b>Commercial T.I. 1-10 heads</b>	<b>\$</b>	<b>304.00</b>
<b>Commercial T.I. 11-30 heads</b>	<b>\$</b>	<b>365.00</b>
<b>Underground</b>	<b>\$</b>	<b>365.00</b>
<b>VMP Single-Family Dwelling</b>	<b>\$</b>	<b>365.00</b>

<b>VMP Subdivision:</b>	
<b>2-5 Residences</b>	<b>\$ 547.00</b>
<b>6-15 Residences</b>	<b>\$ 1458.00</b>
<b>16 or more Residences</b>	<b>\$ 1823.00</b>
<b>Ministerial Permits</b>	<b>\$ 304.00</b>
<b>WUI Fire Protection Plan</b>	<b>\$ 365.00</b>
<b>Fire Alarm/Detection Systems</b>	<b>\$ 365.00</b>
<b>Pre-Engineered Systems</b>	<b>\$ 36500</b>
<b>SFM Facility 25 or less</b>	<b>\$ 50.00</b>
<b>SFM Facility 26 or more</b>	<b>\$ 100.00</b>
<b>California Fire Code Permit</b>	<b>\$ 304.00</b>
<b>Photovoltaic Systems (Commercial)</b>	<b>\$ 365.00</b>

**SECTION II. CHANGES TO SECTION 16.08.065**

Section 16.08.065 of the Marin County Code is hereby amended in its title only. The language of existing Section 16.08.065 shall remain the same. The change in the title is as follows:

**Section 16.08.065** Issuance of Citations by Designated Officers and Employees for Violations of the International Fire Code and California Fire Code

**SECTION III REPEAL OF CHAPTER 16.16**

Chapter 16.16 of the Marin County Code is repealed.

**SECTION IV ESTABLISHMENT OF NEW CHAPTER 16.16**

**A. FINDINGS**

1. The California Fire Code and the International Fire Code, and International Wildland-Urban Interface Code have been updated. The updates to these Codes necessitate that the County of Marin adopt updated portions of these codes and make amendments to them.

B. **New Chapter 16.16** is hereby established with the title:

**MARIN COUNTY AMENDMENTS TO THE INTERNATIONAL FIRE CODE  
AND THE CALIFORNIA FIRE CODE**

**FINDINGS OF FACT AND NEED FOR CHANGES OR MODIFICATIONS TO THE  
STATE BUILDING STANDARDS CODE BECAUSE OF LOCAL CONDITIONS**

**CHANGES OR MODIFICATIONS:** Pursuant to Section 17958.5, 17958.7 and 18941.5 of the State of California Health and Safety Code, the Marin County Board of Supervisors in its ordinance adopting and amending the 2015 Edition of the International Fire Code, the 2015 Edition of the International Wildland-Urban Interface Code, and the 2016 California Fire Code, changes or modifies certain provisions of the 2016 California Building Standards Code (Title 24, Part 9) as it pertains to the regulation of buildings used for human habitation.

**Findings:** Pursuant to Sections 17958.5, 17958.7, and 18941.5 of the State of California Health and Safety Code, the Marin County Board of Supervisors has determined and finds that the attached changes or modifications to the 2016 California Building Standards Code are needed and are reasonably necessary because of local climatic, geographic and topographic conditions.

**Local Conditions:** Local conditions have an adverse effect on the prevention of (1) major loss fires, (2) major earthquake damage, and (3) the potential for life and property loss, making necessary changes or modifications to the 2015 International Fire Code, the 2015 International Wildland-Urban Interface Code, the 2016 California Fire Code and the 2016 California Building Standards Code in order to provide a reasonable degree of property security and fire and life safety in this jurisdiction.

Below are listed adverse local climatic (see No. 1), geographic and topographic (see No. 2) conditions.

**1. Climatic**

- a. **Precipitation.** Precipitation ranges from 15 to 50 inches per year with an average of approximately 25 inches per year. Approximately ninety percent (90%) falls during the months of November through April, and 10% from May through October.
- b. **Relative Humidity.** Humidity generally ranges from 50% during daytime to 86% at night. It drops to 20% during the summer months and occasionally drops lower.

- c. **Temperatures.** Temperatures have been recorded as high as 104 degrees F. Average summer highs are in the 78-degree to 85-degree range.
- d. **Winds.** Prevailing winds are from the northwest. However, winds are experienced from virtually every direction at one time or another. Velocities are generally in the 5 – 15 mph range, gusting to 7.4 – 30 mph, particularly during the summer months. Extreme winds, up to 50 mph, have been known to occur.
- e. **Summary.** These local climatic conditions affect the acceleration, intensity, and size of fire in our service area. Times of little or no rainfall, of low humidity and high temperatures create extremely hazardous conditions, particularly as they relate to the wildland-urban interface. The winds experienced in this area can have a tremendous impact upon structure fires in buildings in close proximity to one another, and to wildlands commonly found in Marin County, and in particular to our service area.

## 2. **Geographic and Topographic**

- a. The fire environment of a community is primarily a combination of two factors: the area's physical geographic characteristics and the historic pattern of urban-suburban development. These two factors, alone and combined, create a mixture of environments which ultimately determines the area's fire protection needs.

The basic geographical boundaries of our service area include National and State Park lands to the west and south, several suburban communities surrounding the Highway 101 corridor to the east, and rural Sonoma County to the north.

Because of the size of our service area (approximately 445 square miles), the characteristics of the fire environment change from one location to the next. As such, our service area has not one, but a number of fire environments, each of which has its individual fire protection needs.

Our service area has varied topography and vegetative cover. A conglomeration of hills and ridges, with vegetative cover ranging from open grass lands studded with oak to dense forests of Douglas fir, pine and redwood make up the terrain. Development has occurred as the communities along the eastern border of our service area have extended west. In addition, over the last ten years, development has spread into the hills and the smaller valleys and canyons of the San Geronimo Valley, Nicasio and Point Reyes Station.

- b. **Seismic Location.** The relatively young geological processes that have created the San Francisco Bay Area are still active today. Our service area incorporates a portion of the San Andreas earthquake fault and is adjacent to the Hayward-Calaveras and numerous potentially active faults. Almost our entire land surface is in the high-to-moderate seismic hazard zones.
  
- c. **Size and Population.** Our service area covers 445 square miles with a population estimated at 45,000. The Marin County Fire Department is the largest fire department (in terms of area served) in Marin County. Within our service area are six (6) fire stations and a total of 83 Fire Department personnel. The Fire Department handles diverse responsibilities including fire, hazardous material discharge first-responder, paramedic/rescue, and urban search and water rescue response to wildland, urban, freeway areas within the county.
  
- d. **Roads and Streets.** Lengthy cul-de-sacs generally service new developments. Cul-de-sacs and dead-end roads serve most of the smaller canyons and valleys, and hillsides, as well. Some planned unit developments are served by private roads, which create access problems (i.e., narrow paved widths and on-street parking). Roadways with less than 20 feet of unobstructed paved surface, with a dead-end longer than 150 feet, with a cul-de-sac longer than 800 feet, or with a cul-de-sac diameter less than 68 feet are considered hazardous in terms of fire access and protection. A large number of roadways within our service area fall into one or more of the above four categories.
  
- e. **Topography.** Our service area is a conglomeration of rolling hills, valleys and ridges. The flatter lands are found in the central and northern portions of the service area. Most of the existing urban and suburbanized areas are on relatively flat lands (0 – 5% slope).

Future residential development is trending to the hill areas of the San Geronimo Valley, Lucas Valley/Nicasio and Point Reyes Station. In addition, as the value of parcels increase, more marginal lots along Throckmorton Ridge/Panoramic Highway are being developed. The majority of the hillsides and ridges in these areas have slopes ranging from 15 – 30% and 30+%.

Elevations are varied in the service area with Mt. Tamalpais listed at 2,671 feet above sea level. Marin City and Point Reyes Station are approximately 20 feet above sea level, the San Geronimo Valley is 485 feet, and the Throckmorton Fire Station is at 1,160 feet above sea level, respectively.

Correspondingly, there is much diversity in slope percentages. San Geronimo Valley slopes run from level (in the valley, itself) to near 70%. Mt. Barnabee has slopes that run from 20 to 70%. Throckmorton ridge has



slopes from 40 – 80%. Slope is an important factor in fire spread. As a basic rule of thumb, the rate of spread will double as the slope percentage doubles, all other factors remaining the same.

- f. **Vegetation.** Marin County's semi-arid Mediterranean-type climate produces vegetation with specific growth a result of local topography, proximity to the coast and prevailing wind. In the central and eastern portions of our service area, the south facing exposure is primarily rye grass with occasional clumps of bay and oak trees in the more sheltered pockets. The north facing slopes are heavily wooded from lower elevations to ridge with oak and bay trees and minor shrubs of the general chaparral class. Many areas in the western portion of our district are heavily forested with pine, Douglas fir and redwood.

Expansion of the residential community into areas of heavier vegetation has resulted in homes existing in close proximity to dense natural foliage. Often such dwellings are completely surrounded by highly combustible vegetation compounding the fire problem from a conflagration potential point of view.

There are approximately 9,200 parcels in our jurisdiction's wildland urban interface area. Proliferation of sudden oak death syndrome has increased the dead fuel loads in the oak woodlands and bay forests, which has significantly increased fire brand production and crown fire potential within the wildland-urban interface area.

- g. **Summary.** **The above local geographic and topographic conditions increase the magnitude, exposure, accessibility problems and fire hazards presented to the Marin County Fire Department. In addition, fire following an earthquake has the potential of causing greater loss of life and damage than the earthquake itself.**

Other variables may tend to intensify the post-earthquake situation:

- 1) The extent of damage sustained by the water system infrastructure;
- 2) The extent of isolation due to bridge and/or freeway overpass collapse;
- 3) The extent of roadway damage and/or amount of debris blocking the roadways;
- 4) Climatic conditions (hot, dry weather with high winds);
- 5) Time of day will influence the amount of traffic on roadways and could intensify the risk to life during normal business hours;
- 6) The availability of timely mutual aid or military assistance;

- 7) The large portion of dwellings with wood shingle roof coverings and siding could result in conflagrations due to brand broadcast.

**Conclusion:** Local climatic, geographic and topographic conditions impact fire prevention efforts, and the frequency, spread, acceleration, intensity and size of fire involving buildings in this community. Further, they impact potential damage to all structures from earthquake and subsequent fire. Therefore it is found to be reasonably necessary that the International and California Fire Code, the International Wildland-urban Interface Code, as well as the State Building Standards Code be changed or modified to mitigate the effects of the above conditions.

Furthermore, California Health and Safety Code Section 17958.7 requires that the modification or change be expressly marked and identified as to which each finding refers. Therefore, the Marin County Fire Department finds that the following table provides code sections that have been modified pursuant to this **Ordinance**, which are building standards as defined in Health and Safety Code Section 18909, and the associated referenced conditions for modification due to local climatic, geological and topographical reasons.

<u>CA Fire Code Section Number</u>	<u>Local climatic, geological and topographical conditions (above)</u>
202[C]	2a, b, d-f
202[M]	2a, b, d-f
202[S]	2a, b, d-f
202[T]	2a, b, d-f
202[U]	2a, b, d-f
302.1	2a-f
320	2a-f
901.7	1a-d, 2a, c-f
903.2	1a-d, 2a, c-f
903.3	1a-d, 2a, c-f
907.2.11	1a-d, 2a, c-f

The following Sections to new Chapter 16.16 are established:

- 16.16.010** Adoption of the California Fire Code and International Fire Code
- 16.16.020** Establishment and Duties of the Fire Prevention Bureau
- 16.16.030** Definitions
- 16.16.031** Establishment of Geographic Limits of Districts in which Storage of Class I, Class II, and Class III Liquids in Outside Aboveground Tanks is Prohibited

- 16.16.032 Establishment of Geographic Limits of Districts in which Storage of Class I, Class II, and Class III Liquids in Aboveground Tanks is Prohibited
- 16.16.033 **ESTABLISHMENT OF THE GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH THE STORAGE OF STATIONARY TANKS OF FLAMMABLE CRYOGENIC FLUIDS IS TO BE PROHIBITED**
- 16.16.034 **Establishment of Geographic limits in which storage of Liquified Petroleum Gasses is restricted.**16.16.035 Establishment of Geographic Limits of Districts in which Storage of Explosives and Blasting Agents is Prohibited
- 16.16.036 Establishment of Geographic Limits of Districts in which the Storage of Compressed Natural Gas is Prohibited
- 16.16.037 Establishment of Geographic Limits of Districts in which the Storage of Stationary Tanks of Flammable Cryogenic Fluids is Prohibited
- 16.16.038 Establishment of Geographic Limits of Districts in which the Storage of Hazardous Materials is Prohibited or Limited
- 16.16.040 Amendments Made to the 2013 California Fire Code, 2012 International Fire Code and 2012 International Wildland-Urban Interface Code
- 16.16.050 Authority to Arrest and Issue Citations
- 16.16.060 Penalties
- 16.16.070 Appeals
- 16.16.080 Former Ordinances
- 16.16.090 Validity
- 16.16.100 Ordinance Publication and Effective Date
- 16.16.110 California Environmental Quality Act

**16.16.010 ADOPTION OF CALIFORNIA FIRE CODE AND INTERNATIONAL FIRE CODE.**

The Marin County Board of Supervisors hereby adopts, for the purpose of prescribing regulations governing conditions hazardous to life and property from fire or explosion, the following:

1. The 2016 California Fire Code, which consists of certain portions of the 2015 edition of the International Fire Code as amended by the California Building Standards Commission, including:

- a. Appendix B FIRE FLOW REQUIREMENTS FOR BUILDINGS, the whole thereof, save and except such portions as are hereafter deleted, modified or amended by Section 16.16.040 of this Ordinance.
- b. Appendix C FIRE HYDRANT LOCATIONS AND DISTRIBUTION,
- c. Appendix F HAZARD RANKING,
- d. Appendix H HAZARDOUS MATERIALS MANAGEMENT PLANS AND HAZARDOUS MATERIALS INVENTORY STATEMENTS
- e. Appendix N TEMPORARY HAUNTED HOUSES, GHOST WALKS AND SIMILAR AMUSEMENT USES

2. The International Fire Code published by the International Fire Code Council, Inc., 2015 Edition hereof and the whole thereof, save and except such portions as are hereinafter deleted, modified or amended by Section 16.16.040 of this Ordinance.

3. Appendix A of the 2015 edition of the International Wildland-Urban Interface Code save and except such portions as are hereinafter deleted, modified or amended by Section 16.16.040 of this Ordinance.

Not less than one (1) copy of the Codes and Standards hereby adopted is filed in the office of the Fire Marshal of the Marin County Fire Department and the same are hereby adopted and incorporated fully as if set out at length herein, and from the date on which this Ordinance shall take effect, and the provisions thereof shall be controlling within the limits of the Marin County Fire Department.

**16.16.020 ESTABLISHMENT AND DUTIES OF THE FIRE PREVENTION BUREAU**

The 2016 California Fire Code, which consists of certain portions of the 2015 edition of the International Fire Code as amended by the California Building Standards Commission, and the 2015 edition of the International Fire Code, and Appendix A of the 2015 edition of the International Wildland-Urban Interface Code as adopted and amended herein, shall be enforced by the Fire Prevention Bureau of the Marin County Fire Department and shall be operated under the supervision of the Chief of the Fire Prevention Bureau of the Marin County Fire Department.

**16.16.030 DEFINITIONS**

Wherever they appear in the California and International Fire Codes, unless otherwise provided, the following words shall have the meanings ascribed to them in this section:

- (a) Whenever the words “Fire Code” are used they shall mean those Codes and Standards adopted in Section 16.16.040 of this Ordinance.

(b) Wherever the word "jurisdiction" is used in the Fire Code, it shall be held to mean the Marin County Fire Department.

(c) Wherever the term "counsel" is used in the Fire Code, it shall be held to mean the attorney for the Marin County Fire Department.

(d) Wherever the words "Fire Code Official" are used in the Fire Code, they shall be held to mean the Fire Chief or Fire Marshal of the Fire Prevention Bureau of the Marin County Fire Department.

**16.16.031 ESTABLISHMENT OF GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH STORAGE OF CLASS I, CLASS II AND CLASS III LIQUIDS IN OUTSIDE ABOVEGROUND TANKS IS PROHIBITED**

The geographic limits referred to in Section 5704.2.9.6 of the International Fire Code in which storage of Class I, Class II and Class III liquids in outside aboveground tanks is prohibited are amended as follows: In all residential and commercial areas as established by the County of Marin, and agricultural land of less than two (2) acres.

**16.16.032 ESTABLISHMENT OF GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH STORAGE OF CLASS I, CLASS II AND CLASS III LIQUIDS IN ABOVEGROUND TANKS IS PROHIBITED**

The geographic limits referred to in Section 5706.2.4.4 of the International Fire Code in which storage of Class I, Class II and Class III liquids in aboveground tanks is prohibited are amended as follows: In all residential and commercial areas as established by the County of Marin, and agricultural land of less than two (2) acres.

**16.16.033 ESTABLISHMENT OF THE GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH THE STORAGE OF STATIONARY TANKS OF FLAMMABLE CRYOGENIC FLUIDS IS TO BE PROHIBITED**

The geographic limits, referred to in Section 5806.2 of the International Fire Code in which the storage of flammable cryogenic fluids in stationary containers are prohibited, are hereby established as follows: In all residential areas and in heavily populated or congested commercial areas, as established by the County of Marin, and agricultural land of less than two (2) acres.

**16.16.034 ESTABLISHMENTS OF GEOGRAPHIC LIMITS IN WHICH STORAGE OF LIQUEFIED PETROLEUM GASES IS TO BE RESTRICTED**

The geographic limits referred to in Section 6104.2 of the International Fire Code, in which storage of liquefied petroleum gas is restricted, are amended as follows: In all residential and commercial areas as established by the County of Marin, whichever is applicable.

**16.16.035 ESTABLISHMENT OF GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH STORAGE OF EXPLOSIVES AND BLASTING AGENTS IS TO BE PROHIBITED**

The geographic limits in which storage of explosives and blasting agents is prohibited, are as follows: In all residential and commercial areas as established by the County of Marin, whichever is applicable.

**16.16.036 ESTABLISHMENT OF GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH THE STORAGE OF COMPRESSED NATURAL GAS IS TO BE PROHIBITED**

The geographic limits in which the storage of compressed natural gas is prohibited, are hereby established as follows: In all residential and commercial areas, as established by the County of Marin, whichever is applicable.

**16.16.037 ESTABLISHMENT OF GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH THE STORAGE OF STATIONARY TANKS OF FLAMMABLE CRYOGENIC FLUIDS IS TO BE PROHIBITED**

The geographic limits referred to in Section 5806.2 in which the storage of flammable cryogenic fluids in stationary containers are prohibited, are hereby established as follows: In all residential and commercial areas, as established by the County of Marin, whichever is applicable.

**16.16.038 ESTABLISHMENT OF GEOGRAPHIC LIMITS OF DISTRICTS IN WHICH THE STORAGE OF HAZARDOUS MATERIALS IS TO BE PROHIBITED OR LIMITED**

The geographic limits in which the storage of hazardous materials is prohibited or limited, are hereby established as follows: In all residential and commercial areas, as established by the County of Marin, whichever is applicable.

**16.16.040 AMENDMENTS MADE TO THE 2016 CALIFORNIA FIRE CODE, 2015 INTERNATIONAL FIRE CODE AND 2015 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE**

The 2016 California Fire Code and the 2015 International Fire Code is amended and changed in the following respects:

Section 102.5 of Chapter 1 is hereby amended to read as follows:

Section 102.5 **Application of residential code.** Where structures are designed and constructed in accordance with the *California Residential Code*, the provisions of this code shall apply as follows:

1. **Construction and designed provisions:** Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises

identification, fire apparatus access and water supplies. Provisions of this code pertaining to the interior of the structure when specifically required by this code including, but not limited to, Section 903.2 shall apply. Where interior or exterior systems or devices are installed, construction permits required by Section 105.7 of this code shall also apply.

2. **Administrative, operational and maintenance provisions:** all such provisions of this code shall apply.

Section 102.7.1 is hereby added to Chapter 1 and shall read as follows:

Section 102.7.1 **Nationally Recognized Listed Products.** Any installation of products and equipment due to permits required by this Code shall be Labeled and Listed, as defined in Section 202.

Section 104.1.1 is hereby added to Chapter 1 and shall read as follows:

Section 104.1.1 **Supplemental Rules, Regulations and Standards.** The Fire Code Official is authorized to render interpretations of this code and to make and enforce rules and supplemental regulations and to develop Fire Protection Standards to carry out the application and intent of this code.

Section 104.12 is hereby added to Chapter 1 and shall read as follows:

Section 104.12. **Damages and expense recovery.** The expense of securing any emergency that is within the responsibility for enforcement of the Fire Chief as given in Section 104 is a charge against the person who caused the emergency. Damages and expenses incurred by any public agency having jurisdiction or any public agency assisting the agency having jurisdiction shall constitute a debt of such person and shall be collectible by the Fire Chief for proper distribution in the same manner as in the case of an obligation under contract expressed or implied. Expenses as stated above shall include, but not be limited to, equipment and personnel committed and any payments required by the public agency to outside business firms requested by the public agency to secure the emergency, monitor remediation, and clean up.

Section 104.13 is hereby added to Chapter 1 and shall read as follows:

Section 104.13. **Fire prevention resource sharing.** Other enforcement agencies shall have authority to render necessary assistance in plan review, inspection, code interpretation, enforcement and other fire prevention services when requested to do so.

Section 105.6.49 of Chapter 1 is hereby amended by adding the following additional operational permits:

4. **Aircraft refueling vehicles.** An operational permit is required to operate aircraft refueling vehicles. See Chapter 20.

6. **Cellulose nitrate storage.** An operational permit is required to store or handle more than 25 pounds of cellulose nitrate plastic (pyroxylin) for the manufacturing or assembly of articles or parts of articles containing cellulose nitrate plastics (pyroxylin)..

8. **Fireworks.** An operational permit is required to store and use fireworks for public display.

9. **Fire Protection Plan.** An operational permit is required to implement a fire protection plan.

12. **Radioactive material.** An operational permit is required to store or handle at any installation more than 1 micro-curie (37,000 Becquerel) of radioactive material not contained in a sealed source or more that 1 milli-curie (37,000,000 Becquerel) of radioactive material in a sealed source or sources, or any amount of radioactive material for which specific license from the Nuclear Regulatory Commission is required.

Section 105.7.19 is hereby added to Chapter 1 and shall read as follows:

Section 105.7.19 **Vegetation management plan.** A construction permit is required to implement a vegetation management plan.

Section 109 of Chapter 1 is amended by adding section 109.3.5 to read as follows:

Section 109.3.5 Abatement of clearance of brush or vegetative growth from structures. The Fire Code Official is authorized to instruct the Chief to give notice to the owner of the property upon which conditions regulated by section 304.1.2 of Chapter 3 and section 4907.1 of Chapter 49 exist to correct such conditions. If the owner fails to correct such conditions, the Fire Code Official is authorized to cause the same to be done and make the expense of such correction a lien upon the property where such conditions exist.

Section 109.4 of Chapter 1 is hereby amended by specifying that any violations of this Chapter shall be a misdemeanor with a fine amount up to \$500 and/or imprisonment up to 180 days.

Section 111.4 of Chapter 1 is hereby amended by specifying the fine amounts as not less than \$500 and not more than \$1,500.

Section 202 [C] of Chapter 2 is hereby amended by adding the definition of 'Coverings' as follows:



**Coverings** shall mean materials including, but not limited to gypsum board, paneling, floor boards, lathe and plaster, wood paneling, brick and mortar, or other materials attached to rough framing of the building elements. 'Coverings' do not include carpet, linoleum, tile, wall paper, or other decorative finishes.

Section 202-[F] of Chapter 2 is hereby amended by adding the definition of 'Fire Road' as follows:

**Fire Road.** See section 502.1.

Section 202-[J] of Chapter 2 is hereby amended by adding the definition of 'Junior Second Unit' as follows:

**Junior Accessory Dwelling Unit:** A type of accessory dwelling unit that is accessory to and included within a legal primary dwelling on the same site. A junior accessory dwelling unit provides independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, and cooking. Cooking and food preparation facilities shall be limited to an efficiency kitchen as provided for in the local zoning ordinance. Sanitation facilities may be independently provided for the junior accessory dwelling unit or may be shared with occupants of the primary dwelling provided interior access is available; see local County of Marin zoning ordinances.

Section 202-[M] of Chapter 2 is hereby amending the definition of 'Membrane Structure' and shall read as follows:

**Membrane Structure.** An air-inflated, air-supported, cable or frame-covered structure as defined by the *California Building Code* and not otherwise defined as a tent or umbrella structure. See Chapter 31 of the *California Building Code*.

Section 202 [S] of Chapter 2 is hereby amended by adding the definition of 'second unit', 'spark arrestor' and 'substantial remodel' as follows:

**Second Unit** shall mean an attached or detached additional dwelling unit which provides complete independent living facilities, and which includes permanent provisions for living, sleeping, eating, cooking and sanitation and is located on the same lot as the primary unit.

**Spark Arrestor** shall mean a chimney device constructed in a skillful-like manner. The net free area of a spark arrestor shall not be less than four times the net free area of the outlet of the chimney. The spark arrestor screen shall have heat and corrosion resistance equivalent to 12-gauge wire, 19-gauge galvanized wire or 24-gauge stainless steel. Opening shall not permit the

passage of spheres having a diameter larger than 1/2 inch and shall not block the passage of spheres having a diameter of less than 3/8 inch.

**Substantial Remodel** shall mean the renovation of any structure, which combined with any additions to the structure, affects a floor area which exceeds fifty percent of the existing floor area of the structure within any 36 month period. When any changes are made in the building, such as walls, columns, beams or girders, floor or ceiling joists, and coverings (see Section 202[C]), roof rafters, roof diaphragms, foundations, piles or retaining walls or similar components, the floor area of all rooms affected by such changes shall be included in computing floor areas for the purposes of applying this definition. This definition does not apply to the replacement and upgrading of residential roof coverings.

Section 202 [T] of Chapter 2 is hereby amended by adding the definition of 'Temporary', as follows:

**Temporary** shall mean any use for a period of less than 90 days.

**Tent** A structure, enclosure, umbrella structure or shelter with or without sidewalls or drops, constructed of fabric or pliable material supported by any manner except by air or the contents that it protects

Section 202 [U] of Chapter 2 is hereby amended by adding the definition of 'Umbrella Structure'

**Umbrella Structure** A structure, enclosure or shelter with or without sidewalls or drops, constructed of fabric or pliable material supported by a central pole. (See "Membrane Structure" and "Tent")

Section 302.1 is amended by adding the definition of 'Public Storage Facility' as follows:

**Public Storage Facility** shall mean any business that sells, leases or rents space to the public that is enclosed, whether it is a building, storage container or similar configuration.

Section 320 is hereby added to Chapter 3 and shall read as follows:

### Section 320 **PUBLIC STORAGE FACILITIES**

Section 320.1 **General.** Public Storage Facilities shall comply with the provisions of this section.

Section 320.2. **Location on Property and Fire Resistance of Exterior.** All public storage facilities shall meet the minimum requirements for setback from property lines or fire resistive construction as set forth in Table 602 of the Building Code for Group S, Division 1 occupancies.

Section 320.3. **Fire apparatus access.** All public storage facilities shall have fire apparatus access roads provided in accordance with Section 503.1.1.

Section 320.4. **Storage of Flammable and Combustible Liquids and Hazardous Materials.** The storage of hazardous materials or flammable or combustible liquids in public storage facilities is prohibited. Such facilities shall post legible and durable sign(s) to indicate same in a manner and location(s) as specified by the Fire Code Official. This section shall apply to new and existing public storage facilities.

Exception: Only those quantities of flammable and combustible liquids necessary for maintenance of the facility may be stored by the facility management per Chapter 34 of this code.

Section 401.1.1 is hereby added to Chapter 4 and shall read as follows:

Section 401.1.1 **Hazardous Occupancies.** In occupancies of a hazardous nature, where access for fire apparatus is unduly difficult, or where special life and fire safety hazards exist as determined by standards of the Marin County Fire Department, that facility or business management shall be required to develop and implement an Emergency Response Plan, provide for an onsite Emergency Response Team, Emergency Liaison Officer, staff training and fire drills in accordance with Sections 405 and 406 and standards developed by the Marin County Fire Department

Section 401.3.2.1 is hereby added to Chapter 4 and shall read as follows:

Section 401.3.2.1 **Unwarranted Alarm Notification.** Notification of emergency responders based on an unwarranted alarm may be punishable by a fine in accordance with the adopted fee schedule. In addition, the responsible party may be liable for the operational and administrative costs, incurred from the emergency response or mitigation procedures resulting from an unwarranted alarm notification.

Section 402.1 of Chapter 4 is hereby amended by adding the definition of 'Pre-plans' and "Unwarranted Alarm", as follows:

**Pre-plans** shall mean detailed plans of target hazard buildings. These pre-plans include information on the building's location, occupancy, hazards, fire department connections and hydrants, building layout, and other pertinent data that would assist the fire department in case of an emergency.

**Unwarranted Alarm** shall mean the giving, signaling or transition of an alarm notification to a public fire station or emergency communication center when such alarm is the result of a defective condition of an alarm system, system servicing testing, construction activities, ordinary household activities, false alarm or other cause when no such danger exists.

Section 403.1.1 is hereby added to Chapter 4 and shall read as follows:

Section 403.1.1 **Pre-plans:** When required by the fire code official, pre-plans shall be developed for target hazard buildings according to the written standards developed by the authority having jurisdiction.

Section 403.10.1.4 is hereby added to Chapter 4 and shall read as follows:

Section 403.10.1.4. **Emergency Preparedness for Hotels, Lodging and Congregate Houses.** Hotels, lodging and congregate houses shall provide guests with immediate access to a telephone to report emergencies. The exit diagram shall indicate the location of the nearest telephone and instructions to dial 911.

Section 501.5 of Chapter 5 is hereby amended by adding a sentence to read as follows:

Failure to comply with this section upon written or verbal notice from the Chief shall result in a Fire Department order to cease operations and desist further operations until such time as adequate access and/or water for fire protection is provided.

Section 502.1 of Chapter 5 is hereby amended by adding a definition of 'Fire Road' as follows:

**Fire Road** shall mean those improved or unimproved roads, public or private, that provide access for firefighting equipment and personnel to undeveloped areas.

Section 503.1.4 of Chapter 5 is hereby amended by adding a paragraph thereto to read as follows:

Section 503.1.4 **Fire Roads.** Fire Roads shall be provided for firefighting equipment, apparatus and personnel to undeveloped service areas of the Marin County Fire Department so as to gain access to improved, unimproved, and undeveloped service areas of the Marin County Fire Department, in a manner approved by the Fire Code Official. Any vehicle or other obstructions may be towed away at the owner's expense.

Section 503.1.5 of Chapter 5 is amended by adding a sentence thereto as follows:

Section 503.1.5 **Truck company access.** For buildings 3 or more stories or greater than 30 feet (10670mm) in height, approved access roads for ladder truck operations shall be provided within the necessary operational distances as specified by the Fire Code Official.

Section 503.2.6.1. is hereby added to Chapter 5 and shall read as follows:

Section 503.2.6.1 **Load testing.** Bridges, piers and wharfs used for fire apparatus access shall be load tested to the original designed capacity when required by the Chief.

Section 503.4 of Chapter 5 is amended by adding a sentence thereto to read as follows:

Any vehicle or other obstruction may be towed away at the owner's expense.

Section 503.4 is renumbered to 503.4.1 and Section 503.4.2 is hereby added to read as follows:

**503.4.2 Prohibition on Vehicular Parking on Private Access ways.** If, in the judgment of the Chief, it is necessary to prohibit vehicular parking along private access ways serving existing facilities, buildings, or portions of buildings in order to keep them clear and unobstructed for fire apparatus access, the Chief may issue an Order to the owner, lessee or other person in charge of the premises to paint the curbs red or install signs or other appropriate notices to the effect that parking is prohibited by Order of the Fire Department. It shall thereafter be unlawful for such owner, lessee or other person in charge of the premises to fail to install, maintain in good condition, the form of notice so prescribed. When such areas are marked or signed as provided herein, no person shall park a vehicle adjacent to any such curb or in the private access way contrary to such markings or signs. Any vehicle so parked in the private access way may be towed away at the expense of the owner of the vehicle.

Section 503.6.1 is hereby added to Chapter 5 and shall read as follows:

**503.6.1 Width and Height.** All gates shall open fully to provide an unobstructed passage width of not less than 16 feet or a minimum of two feet wider than the approved net clear opening of the required all weather roadway or driveway and a minimum net vertical clearance of 15-feet.

Section 503.6.2 is hereby added to Chapter 5 and shall read as follows:

**Section 503.6.2 Electronic gates.** All electronic operated gates shall have installed an approved key switch override system mounted on a stanchion or wall as approved by the Chief in accordance with Standards/Policies adopted by the Fire Code Official. All electronic or motorized gates shall incorporate in their design the means for fast, effective manual operation of the gates in the event of power or mechanical failure (i.e., easily removable hinge pins for separating power linkage from gates; undercut, weakened or frangible members requiring 40 pounds or less pressure against the gates to cause their failure and the gates to open. All electrical wiring and components of motorized gates shall be UL listed and installed in accordance with the National Electric Code.

Section 506.1 of Chapter 5 is hereby amended to read as follows:

Section 506.1 **Key Entry Systems.** When access to or within a structure or an area is unduly difficult because of secured openings or where immediate access is necessary for life-saving or firefighting purposes or in commercial structures that have a Hazardous Materials Business Plan, an automatic fire sprinkler or fire alarm system installed, the Fire Code Official is authorized to require a key entry system to be installed in an approved location. The key entry system shall be of an approved type and if it is a box shall contain keys necessary to gain access as required by the Fire Code Official.

Exception: the distance shall be permitted to exceed 100 feet (30 m) where approved by the fire code official.

Section 507.5.1 is hereby amended to read as follows and by deleting the Exception:

Section 507.5.1 **Where Required.** Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 350 feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the Fire Code Official.

Section 507.5.1.2 is hereby added to Chapter 5 and shall read as follows:

Section 507.5.1.2 **Hydrant for sprinkler systems.** Buildings equipped with a sprinkler system installed in accordance with Section 903 shall have a fire hydrant within 100 feet (30 m) of the fire department connections.

Section 507.5.7 is hereby added to Chapter 5 and shall read as follows:

Section 507.5.7 **Fire hydrant upgrades.** When additions or modifications to structures are made, the nearest fire hydrant (if a new one is not required) located by the Chief, shall be upgraded to the minimum standard of one 4 1/2" outlet and one 2 1/2" outlet for single family dwellings and the minimum standard of one 4 1/2" outlet and two 2 1/2" outlets for commercial structures.

Exception: If the cost of upgrading the fire hydrant exceeds 2% of the cost of the project based on the building permit valuation.

Section 605.11 is hereby added to Chapter 6 and shall read as follows:

605.11 **Solar Photovoltaic Power Systems.** Solar photovoltaic power systems shall be installed in accordance with 605.11.1 through 605.11.5, the California Building Code, or California Residential Code, and California Electrical Code

605.11.3 **Required conduit.** All wiring that may contain electrical potential when the alternate service disconnect has been activated, (such as the wiring between the solar arrays and the DC electrical disconnect on a photovoltaic system) shall be completely contained in metal conduit on all buildings.

605.11.4. **Disconnect.** The electrical service disconnect for the alternative power supply shall be located within eight feet from the P. G. & E. electrical service disconnect on the same or an adjacent exterior wall. The disconnect shall be accessible to emergency personnel from the exterior without the use of ladders or other special equipment.

Exception: Enphase, Micro-inverter, or similar technology for solar equipment that de-energizes the system at the roof panels upon loss of A/C reference leaving no energized electrical potential inside the structure when the main breaker is tripped.

605.11.5.. **Warning Sign.** The following wording shall be placed on a permanent sign attached at the main electrical disconnect from P.G. & E. The sign shall be red background with white letters or a white background with red letters. Minimum size 2-1/2" X 6" with a minimum 22pt. font. Minimum size example below.

**WARNING:**  
**This building supplied with a PHOTOVOLTAIC power source. Alternate disconnect is: (*describe location - on the right, below etc.* of this main disconnect. Both must be used.)**

Section 901.7 of Chapter 9 is hereby amended by adding the following sentence:

This section shall also apply to residential fire sprinkler systems.

Section 903.2 Of Chapter 9 is hereby amended to read as follows:

Section 903.2 **Where Required.** All Occupancies and Facilities, including manufactured homes, mobile homes, and multifamily manufactured homes with 2 or more dwelling units in accordance with Title 25 of the California Code of

Regulations.. An automatic fire sprinkler system shall be installed in all of the following:

1. Every newly constructed building and facility.

Exceptions:

- a. Free standing Group U Occupancies not more than 1,000 square feet and provided with exterior wall and opening protection as per Table 602 of the Building Code.

- b. Agricultural buildings as defined in Appendix C of the Building Code and not exceeding 2,000 square feet, having clear unobstructed side yard of combustible materials, exceeding 60 feet in all directions and not exceeding 25 feet in height, and located within an Agricultural zoned district as defined in the Marin County Planning Code.

2. In newly created second units.

Exception: **Junior Second Units**

3. In all buildings which have more than fifty per cent (50%) floor area added or any "substantial remodel" as defined in this code, within any 36 month period. Exceptions may be granted by the Fire Code Official when alternate means of protection are installed as approved by the Fire Code Official.

4. In all buildings except R-3 occupancies, in excess of 3,000 sq. ft. which have more than ten per cent (10%) floor area added within any 36 month period. Exceptions may be granted by the Chief when alternate means of protection are installed as approved by the Fire Code Official.

5. A change in the use of a structure that results in a higher fire or life safety exposure when the square footage of the area changing use is more than 50% of the square footage of the building.

Section 903.3 Of Chapter 9 is hereby amended by adding the following thereto:

The requirements for fire sprinklers in this code section are not meant to disallow the provisions for area increase, height increase, or Fire-Resistive substitution if otherwise allowed by sections 504 and 506 of the Building Code. All automatic fire sprinkler systems shall be installed in accordance with the written standards of the Fire Code Official and the following:



- a. In all residential buildings required to be sprinkled, any attached garages shall also be sprinkled, and except for single family dwellings, in all residential occupancies the attics shall be sprinkled.
- b. In all existing buildings, where fire sprinklers are required by provisions of this code, they shall be extended into all unprotected areas of the building.
- c. All single family dwellings in excess of 5,000 square feet shall have automatic fire sprinkler systems designed in accordance with NFPA Standard 13 or 13R.
- d. All public storage facilities shall have installed an approved automatic fire sprinkler system. An approved wire mesh or other approved physical barrier shall be installed 18 inches below the sprinkler head deflector to prevent storage from being placed to within 18 inches from the bottom of the deflector measured at a horizontal plane.

Section 904.12 is amended to read as follows:

**Section 904.12 Commercial cooking systems.** Commercial cooking equipment that produces grease laden vapors shall be provided with a Type I Hood, in accordance with the California Mechanical Code, NFPA 96, and an automatic fire extinguishing system that is listed and labeled for its intended use as follows:

1. Wet chemical extinguishing system, complying with UL 300.
2. Carbon dioxide extinguishing system.
3. Automatic fire sprinkler systems.

All existing dry chemical and wet chemical extinguishing systems shall comply with UL 300.

**Exception:** Public school kitchens, without deep-fat fryers, shall be upgraded to a UL 300 compliant system during state-funded modernization projects that are under the jurisdiction of the Division of the State Architect.

All systems shall be installed in accordance with the California Mechanical Code, NFPA 96, appropriate adopted standards, their listing and the manufactures' installation instructions.

**Exception:** Factory-built commercial cooking recirculating systems that are tested, listed, labeled and installed in accordance with UL 710B and the California Mechanical Code and NFPA 96.

Section 906.11 is hereby added to Chapter 9 and shall read as follows:

Section 906.11 **Fire Extinguisher Documentation.** The owner and/or operator of every Group R Division 1 and R Division 2 occupancies shall annually provide

the Chief written documentation that fire extinguishers are installed and have been serviced as required by Title 19 California Code of Regulations when such extinguishers are installed in residential units in lieu of common areas.

Section 907.2.11 of Chapter 9 is hereby amended by changing the first sentence of the exception to read as follows:

**EXCEPTION:** For group R occupancies other than single family dwellings.

Section 907.8.5.1 of Chapter 9 is hereby amended by adding Section 907.8.5.1 and shall read as follows:

Section 907.8.5.1 **Smoke Alarm Documentation.** The owner and/or operator of every Group R Division 1, Division 2, Division 3.1, and Division 4 Occupancies shall annually provide the Fire Code Official with written documentation that the smoke alarms installed pursuant to the Building Code have been tested and are operational. If alarms are found to be inoperable or are missing, such alarms shall be repaired or replaced immediately.

Section 1103.1 is hereby amended to read as follows:

Section 1103.1 **Required Construction.** Existing buildings shall comply with not less than the minimum provisions specified in Table 1103.1 and as further enumerated in Sections 1103.2, 1103.6, 1103.7, 1103.8 through 1103.8.5.3, 1103.9, and 1103.10. The provisions of this chapter shall not be constructed to allow the elimination of fire protection systems or a reduction in the level of fire safety provided in buildings constructed in accordance with previously adopted codes.

**Exceptions:**

1. Where a change in fire-resistance rating has been approved in accordance with Section 803.6 of the *California Existing Building Code*.
2. Group U occupancies.

Sections 1103.2 Item #1 is deleted.

Sections 1103.3 through 1103.5.4 are deleted.

Sections 1104 and 1105 are deleted.

Section 3101.1 is hereby amended to read as follows:

Section 3101.1 **Scope.** Tents, umbrella structures, temporary stage canopies and membrane structures shall comply with this chapter. The provisions of Section 3103 are applicable only to temporary tents, umbrella structures, and membrane structures. The provisions of Section 3104 are applicable to

temporary and permanent tents, umbrella structures, and membrane structures. Other temporary structures shall comply with the California Building Code.

These building standards govern the use of tents, umbrella structures, awnings or other fabric enclosures, including membrane (air-supported and air-inflated) structures and places of assemblage, in or under which 10 or more persons may gather for any lawful purpose.

**Exceptions:**

1. Tents, umbrella structures, awnings or other fabric enclosures used to cover or enclose private swimming pools and similar facilities on the premises of private one- and two-family dwellings.
2. Tents used to conduct committal services on the grounds of a cemetery.
3. Tents, umbrella structures, awnings or other fabric enclosures erected and used within a sound stage, or other similar structural enclosure which is equipped with an overhead automatic sprinkler system.
4. Tensioned membrane roof materials supported by ridged frames or installed on a mast and cable system provided such structures conform to the requirements of one of the types of construction as described in these regulations.

Fabric structures which are part of mobile homes, recreational vehicles, or commercial coaches governed by the provisions of Division 13, Part 2, Health and Safety Code (Department of Housing and Community Development).

Section 4906.2 paragraph 2 of Chapter 49 is amended to read as follows:

2. Land designated as a Wildland-Urban Interface Area by the local enforcing agency to be at a significant risk from wildfires and lands designated as Very-High Fire Hazard Severity Zones by cities and other local agencies.

Section 4907.1 of Chapter 49 is amended to read as follows:

Section 4907.1 **General.** Defensible space will be maintained around all buildings and structures in State Responsibility Area (SRA) as required in Public Resources Code 4290 and "SRA Fire Safe Regulations" California Code of Regulations, Title 14 Division 1.5, Chapter 7, Subchapter 2, Section 1270.

Buildings and structures within the Wildland-Urban Interface Area as designated by the local enforcing agency to be at a significant risk from wildfires and Very-High Fire Hazard Severity Zones of local responsibility areas (LRA) shall maintain defensible space as outlined in Government Code 51175-51189, and any local ordinance or standard published by the Fire Code Official.

Section 4907.2 is hereby added to Chapter 49 and shall read as follows:

Section 4907.2 **Fire Hazard Reduction.** Any person who owns, leases, controls or maintains any building or structure and/or lands within specific Wildland Urban Interface areas of the jurisdiction of the Marin County Fire Department shall comply with the following: Cut and remove all combustible vegetation within 30 feet of structures, up to 150 feet when topographic or combustible vegetative types necessitate removal as determined by the Fire Code Official. Remove piles of accumulated dead vegetation on the property. Cut and remove tree limbs that overhang wood decks and roofs. Remove that portion of any tree which extends within 10 feet of any chimney or stovepipe. Clean any leaves and needles from roof and gutters. Cut and remove growth less than 3-inches in diameter, from the ground up to a maximum height of 10 feet, provided that no crown shall be raised to a point so as to remove branches from more than the lower one-third of the tree's total height. Vegetation clearance requirements for new construction and substantial remodels in Wildland-Urban Interface Areas shall be in accordance with the 2003 International Wildland-Urban Interface Code, as amended by the County of Marin.

**EXCEPTION 1:** When approved by the Fire Code Official, single specimens of trees, ornamental shrubbery or similar plants used as ground covers, provided that they do not form a means of rapidly transmitting fire from the native growth to any structure.

**EXCEPTION 2:** When approved by the Fire Code Official, grass and other vegetation located more than 30 feet (9144 mm) from buildings or structures less than 18 inches (457 mm) in height above the ground need not be removed where necessary to stabilize soil, and prevent erosion.

Section 5601.1.3 is amended to read as follows:

Section 5601.1.3 **Fireworks**

**Exception:** 1, 2, and 4 are hereby deleted.

California Fire Code, Appendix B Table B105.1(1) is amended to read as follows:

**TABLE B105.1(1)**  
**REQUIRED FIRE-FLOW FOR ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3**  
**AND R-4 BUILDINGS AND TOWNHOUSES**

<b>FIRE-FLOW CALCULATION AREA (square feet)</b>	<b>AUTOMATIC SPRINKLER SYSTEM (Design Standard)</b>	<b>MINIMUM FIRE-FLOW (gallons per minute)</b>	<b>FLOW DURATION (hours)</b>
0-3,600	No automatic sprinkler system	1,500	2
3,601 and greater	No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2) at The required fire-flow rate

0-3,600	Section 903.3.1.3 of the <i>California Fire Code</i> or Section 313.3 of the <i>California Residential Code</i>	1,500	2
3,601 and greater	Section 903.3.1.3 of the <i>California Fire Code</i> or Section 313.3 of the <i>California Residential Code</i>	½ value in Table B105.1(2) <sup>a</sup>	Duration in Table B105.1(2) at The required fire-flow rate

For SI: 1 square foot = 0.0929 m<sup>2</sup>, 1 gallon per minute = 3.785 L/m.

a. The reduced fire-flow shall be not less than 1,500 gallons per minute.

California Fire Code, Appendix B Table B105.2 is amended to read as follows:

**TABLE B105.2  
REQUIRED FIRE-FLOW FOR BUILDINGS OTHER THAN ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES**

<b>AUTOMATIC SPRINKLER SYSTEM (Design Standard)</b>	<b>MINIMUM FIRE-FLOW (gallons per minute)</b>	<b>FLOW DURATION (hours)</b>
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the <i>California Fire Code</i>	50% of the value in Table B105.1(2) <sup>a</sup>	Duration in Table B105.1(2) at the reduced flow rate
Section 903.3.1.2 of the <i>California Fire Code</i>	50% of the value in Table B105.1(2) <sup>a</sup>	Duration in Table B105.1(2) at the reduced flow rate

For SI: 1 gallon per minute = 3.785 L/m.

a. The reduced fire-flow shall be not less than 1,500 gallons per minute.

Section A104.7.2 of Appendix A of the International Wildland-Urban Interface Code is amended to read as follows:

Section A104.7.2 **Permits.** The Fire Code Official is authorized to stipulate conditions for permits. Permits shall not be issued when public safety would be at risk, as determined by the Fire Code Official.

Section A104.11 is hereby added to Appendix A of the International Wildland-Urban Interface Code and shall read as follows:

Section A104.11 – **TRACER BULLETS, TRACER CHARGES, ROCKETS AND MODEL AIRCRAFT.** Tracer bullets and tracer charges shall not be possessed, fired or caused to be fired into or across hazardous fire areas. Rockets, model planes, gliders and balloons powered with an engine, propellant or other feature liable to start or cause a fire shall not be fired or projected into or across hazardous fire areas.

Section A104.12 is hereby added to Appendix A of the International Wildland-Urban Interface Code and shall read as follows:

Section 104.12 **APAIRIES**. Lighted or smoldering material shall not be used in connection with smoking bees in or upon hazardous fire areas except by permit from the Fire Code Official.

#### **16.16.050 AUTHORITY TO ARREST AND ISSUE CITATIONS**

(a) The Fire Chief, Chief Officers, and law enforcement officers shall have authority to arrest or to cite any person who violates any provision of this Chapter involving the Fire Code or the California Building Standards Code regulations relating to fire and panic safety as adopted by the State Fire Marshal, in the manner provided for the arrest or release on citation and notice to appear with respect to misdemeanors or infractions, as prescribed by Chapters 5, 5c and 5d of Title 3, Part 2 of the California Penal Code, including Section 853.6, or as the same hereafter may be amended.

(b) It is the intent of the Board of Supervisors of the County of Marin that the immunities provided in Penal Code Section 836.5 be applicable to aforementioned officers and employees exercising their arrest or citation authority within the course and scope of their employment pursuant to this Chapter.

#### **16.16.060 PENALTIES**

(a) The violations of the Fire Code as adopted herein are misdemeanors/infractions and are subject to the penalties set forth herein.

(b) If a criminal citation is issued, penalties shall be per Section 108, 109, or 111 of Section 16.16.040. If an administrative citation is issued, the penalties are as follows:

(c) The first citation, within a 12-month period, for violations of the Fire Code and any amendments adopted herein shall be treated as a Civil Penalty payable directly to the Marin County Fire Department and is set at \$150 plus the actual costs of all inspections required to gain compliance at the rate set from time to time by the Marin County Fire Department. Said civil penalties shall be a debt owed to the Marin County Fire Department by the person responsible for the violation within thirty (30) days after the date of mailing of the citation unless an appeal is filed as provided in Section 16.16.070. Upon failure to pay the civil penalty when due, the responsible person shall be liable in a civil action brought by the Marin County Fire Department for such civil penalty and costs of the litigation, including reasonable attorney's fees.

(d) Any subsequent citations within a twelve (12) month period for any violations of the Fire Code and any amendments adopted herein shall be misdemeanors/infractions, and shall be subject to the penalties set forth herein.

(e) The imposition of one penalty for any violation shall not excuse the violation or permit it to continue and all such persons shall be required to correct or remedy such violations or defects within a reasonable time and, when not otherwise specified, each day that a violation occurs or continues after a final notice has been delivered shall constitute a separate offense. The application of both penalties shall not be held to prevent the enforced correction of prohibited conditions.

(f) Nothing contained in Subsections (a) through (f) of this Section shall be construed or interpreted to prevent the Marin County Fire Department from recovering all costs associated with a Marin County Fire Department response as described in Section 104.12 of the 2009 International Fire Code as amended.

(g) Any violation of any provision of this Chapter shall constitute a public nuisance and shall entitle the Marin County Fire Department to collect the costs of abatement and related administrative costs by a nuisance abatement lien as more particularly set forth in Government Code Section 38773.1, and by special assessment to be collected by the County Tax Collector as more particularly set forth in Government Code Section 38773.5. At least thirty (30) days prior to recordation of the lien, or submission of the report to the Tax Collector for collection of this special assessment, the record owner shall receive notice from the Chief of the Marin County Fire Department intent to charge the property owner for all administrative costs associated with enforcement of this Ordinance and abatement of the nuisance. The notice shall include a summary of costs associated with enforcement of this Ordinance and abatement of the nuisance. The property owner may appeal the Chief's decision to the Board of Supervisors of the County of Marin within fifteen (15) days of the date of the notice and request a public hearing prior to recordation of the lien or submission of the report to the County Tax Collector for collection of the special assessment. In addition to the foregoing, the Marin County Fire Department is authorized to prosecute a civil action to collect such abatement costs from the property owner or other person in possession or control of the affected property, and the prevailing party shall be entitled to recover such abatement costs, together with the cost of litigation, including reasonable attorney fees. The prevailing party is only entitled to costs and attorney fees where the Marin County Fire Department has requested such costs and attorney fees in the civil action.

The provisions of this section shall also apply to corrective actions for the clearance of brush or vegetative growth from structures as outlined in section 109.3.2.

## **16.16.070 APPEALS**

(a) Any person receiving a citation for a civil penalty pursuant to Subsection (b) of Section 16.16.060 or a bill for Marin County Fire Department response costs and expenses pursuant to Section 104.12 of the Fire Code, may file within thirty (30) days after the date of mailing the citation or bill, an administrative appeal against imposition of the civil penalty or response costs and expense. The appeal shall be in writing and filed with the Fire Chief, and shall include a copy of the bill and statement of the grounds for appeal. The Fire Chief shall conduct an administrative hearing on the appeal, after giving the appellant at least ten (10) days' advance written notice of the time and place of the hearing. Within ten (10) days after the hearing, the Chief shall give written notice of the decision to the appellant, which decision shall be final. If the appeal is denied in part or full, all amounts due shall be paid within thirty (30) days after the mailing of the notice of the decision of the hearing officer.

(b) Whenever the Chief shall disapprove an application or refuse to grant a permit applied for, or when it is claimed that the provisions of the code do not apply or that the true intent and meaning of the code have been misconstrued or wrongly interpreted, the applicant may appeal from the decision of the Chief to the Board of Supervisors of the County of Marin within 10 days from the date of the decision. The provision of this section shall not apply to corrective actions for the clearance of brush or vegetative growth from structures as outlined in various sections of this Code, or to matters for which an appeal is provided pursuant to Section 16.16.060 above.

#### **16.16.080 FORMER ORDINANCES**

All former ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance or the Code hereby adopted are hereby repealed. This action shall not relieve any party from the requirements of compliance with provisions of the previous Ordinance implemented while it was in force.

#### **16.16.090 VALIDITY**

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portion of this Ordinance. The Board of Supervisors of the County of Marin hereby declares that it would have adopted the Ordinance and each section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrase thereof shall be declared invalid.

#### **16.16.100 ORDINANCE PUBLICATION AND EFFECTIVE DATE**

A summary of this Ordinance shall be published and a certified copy of the full text of this Ordinance shall be posted in the office of the Marin County Board of



Supervisors at least five (5) days prior to the Board of Supervisors meeting at which it is adopted.

This Ordinance shall be in full force and effective thirty (30) days after its final passage, and the summary of this Ordinance shall be published within fifteen (15) days after the adoption, together with the names of the Board of Supervisors voting for or against same, in the Independent Journal, a newspaper of general circulation in the County of Marin, State of California.

**16.16.110 CALIFORNIA ENVIRONMENTAL QUALITY ACT**

The Board of Supervisors of the County of Marin finds that adoption of this ordinance is exempt from the California Environmental Quality Act (“CEQA”) under California Code of Regulations, Title 14, § 15061(b)(3).

Within fifteen (15) days after adoption, the Clerk of the Marin County Board of Supervisors shall also post in the office of the Marin County Board of Supervisors, a certified copy of the full text of this Ordinance along with the names of those Board of Supervisors members voting for and against the Ordinance.

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**PASSED AND ADOPTED** at a regular meeting of the Board of Supervisors of the County of Marin held on this \_\_\_th day of \_\_\_\_\_, 2016, by the following vote:

**AYES: SUPERVISORS**

NOES: NONE

ABSENT: NONE

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PRESIDENT, BOARD OF SUPERVISORS

ATTEST:

\_\_\_\_\_  
CLERK