

**Ordinance No. 20-258**

**AN ORDINANCE AMENDING THE FIRE CODE OF THE DIXON, VACAVILLE, SUISUN, CORDELIA AND MONTEZUMA FIRE PROTECTION DISTRICTS AND ADOPTING BY REFERENCE THE CALIFORNIA FIRE CODE, 2019 EDITION, TOGETHER WITH VARIOUS MODIFICATIONS, DELETIONS AND ADDITIONS TO SAID CODE**

**THE BOARD OF DIRECTORS OF THE DIXON, VACAVILLE, SUISUN, CORDELIA AND MONTEZUMA FIRE PROTECTION DISTRICTS DO HEREBY ORDAIN AS FOLLOWS:**

**Ordinance No. 17-770 is hereby repealed and reenacted to read as follows:**

**1 SECTION 1. ADOPTION OF THE 2019 CALIFORNIA FIRE CODE.**

*1.1 It is hereby adopted by the board of directors for the Dixon, Vacaville, Suisun, Cordelia and Montezuma Fire Protection Districts for the purpose of prescribing regulations governing conditions hazardous to life and property from fire or explosion, that certain Codes and Standards known as the 2019 California Building Code, Title 24, California Code of Regulations, Part 9, (California Fire Code), and by reference the 2018 International Fire Code published by the International Code Council, Inc., including Appendix Chapter 4, Appendices A, B, BB, C, CC, D, E, F, G, I and J and the 2019 California Residential Code including Appendices A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q and R, and the 2018 International Wildland Urban Interface Code, including Appendices A, B, C, D, E, F, G, and H for those buildings and structures located in State Responsibility Areas save and except such portions as are added, deleted, modified or amended by SECTION 9 of this Ordinance, of which not less than one (1) copy of the California Fire Code, one copy of the 2015 International Wildland Urban Interface Code, and one copy of the California Residential Code have been and are now filed in the Dixon Fire Department, Fire Prevention Division office 205 Ford Way, Dixon CA 95620; Vacaville Fire Protection District office 420 Vine Street, Vacaville, CA 95688; Suisun Fire Protection District office 445 Jackson Street, Fairfield, CA 94533; Cordelia Fire Protection District 2155 Cordelia Road, Fairfield, CA 94534; and Montezuma Fire Protection District 21 North 4<sup>th</sup> Street, Rio Vista, CA 94571 . Said Code is adopted by reference pursuant to Section 50022, et seq., of the Government Code of the State of California, and the same is hereby adopted and incorporated as fully as if set out at length herein and from the date on which this Ordinance shall take effect, the provisions thereof shall be controlling within the limits of the Respective Fire Protection District.*

**1.2 FACTS AND FINDINGS**

*The amendments set forth in this ordinance are reasonably necessary because of the following local climatic, geological, or topographical conditions:*

- A. Topographical Conditions are found in Solano County which increases the difficulty of combating fires. These include, but are not limited to, freeway rights of way that bisect surface roads and rail lines that interfere with direct access to fires. Solano County roadways are at times congested by both local and regional traffic. These features impede the ability of fire equipment to quickly travel to the source of a fire call. Accordingly, the respective Fire Protection Districts require*

*fire access roads in order to ensure proper access to fires.*

- B. *Climatic conditions feature very hot and dry summers, with little or no rainfall between May and October. Next to the heat, north winds are the most dangerous weather feature. Humidity is typically low during this time. Accordingly, the respective Fire Protection Districts requires adequate fire breaks in order to prevent the rapid spread of fires.*
  
- C. *Geographical Conditions such as natural creeks and man-made drainage channels and State Responsibility Areas cause significant access problems for fire equipment in some portions of the Solano County. Accordingly, the respective Fire Protection Districts require adequately constructed buildings and structures for those located in a State Responsibility Area and fire trails in all areas in order to ensure rapid access to fires.*

### ***Amendments made in the California Fire Code***

#### ***SECTION 2. ESTABLISHMENT AND DUTIES OF THE FIRE PREVENTION DIVISION.***

*2.1 The California Fire Code as adopted and amended herein shall be enforced by the respective Fire Protection District Fire Prevention Divisions which is hereby established and which shall be operated under the supervision of the respective Fire Protection District Fire Marshal.*

*2.2 The Fire Marshal of each Fire Protection District in charge of the Fire Prevention Division shall be appointed by the Chief of the respective Fire Protection District.*

#### ***SECTION 3. ESTABLISHMENT OF LIMITS OF THE RESPECTIVE FIRE PROTECTION DISTRICT IN WHICH THE STORAGE OF HAZARDOUS MATERIALS IS TO BE PROHIBITED OR LIMITED.***

*3.1 The limits referred to in Section 5001.1.3 of this ordinance in which the storage of hazardous materials is prohibited or restricted is hereby established as follows: Any area which is zoned for other than commercial, industrial, or agricultural use.*

#### ***SECTION 4. ESTABLISHMENT OF LIMITS OF THE RESPECTIVE FIRE PROTECTION DISTRICT IN WHICH THE STORAGE OF COMPRESSED NATURAL GAS IS TO BE PROHIBITED.***

*4.1 The limits referred to in Section 5301.1.1 of this ordinance in which the storage of compressed natural gas storage is prohibited, are hereby established as follows: Any area which is zoned for other than commercial, industrial, or agricultural use.*

#### ***SECTION 5. ESTABLISHMENT OF LIMITS OF THE RESPECTIVE FIRE PROTECTION DISTRICT IN WHICH THE STORAGE OF STATIONARY TANKS OF FLAMMABLE CRYOGENIC FLUIDS IS TO BE PROHIBITED.***

*5.1 The limits referred to in Section 5501.1.1 of this ordinance in which the storage of flammable cryogenic fluids in stationary containers is prohibited is hereby established as follows: Any area which is zoned for other than industrial use.*

**SECTION 6. ESTABLISHMENT OF LIMITS IN WHICH STORAGE OF LIQUEFIED PETROLEUM GASES IS TO BE RESTRICTED.**

*6.1 The limits referred to in Section 6104 and 6109 of the California Fire Code, in which storage of liquefied petroleum gas is restricted, are hereby established as follows: Any central business district area as defined by this code, any area which is zoned for other than commercial, industrial, rural, or agricultural use.*

*6.2 The limits referred to in Section 6104.2 and 6109.1 of the California Fire Code, in which storage of liquefied petroleum gas is restricted, are hereby established as follows: Any central business district area as defined by this code, any area which is zoned for other than commercial, industrial, rural, or agricultural use.*

**SECTION 7. ESTABLISHMENT OF LIMITS OF THE RESPECTIVE FIRE PROTECTION DISTRICT IN WHICH STORAGE OF EXPLOSIVES AND BLASTING AGENTS IS TO BE PROHIBITED.**

*7.1 The limits referred to in Section 5601 of the California Fire Code, in which storage of explosives and blasting agents is prohibited, are hereby established as follows: Any central business district area as defined by this code, any area which is zoned for other than industrial or agricultural use.*

**SECTION 8. ESTABLISHMENT OF LIMITS OF THE RESPECTIVE FIRE PROTECTION DISTRICT IN WHICH STORAGE OF FLAMMABLE OR COMBUSTIBLE LIQUIDS IN OUTSIDE ABOVEGROUND TANKS; BULK PLANTS OR TERMINALS; AND BULK TRANSFER OPERATIONS IS TO BE PROHIBITED.**

*8.1 The limits referred to in Section 5704.2.9.6.1 of this ordinance in which storage of Class I and II liquids in outside aboveground tanks is prohibited, are hereby established as follows: Any area which is zoned for other than commercial, industrial, or agricultural use.*

*8.2 The limits referred to in Section 5706.4 of this ordinance in which bulk plants or terminals for flammable or combustible liquids are prohibited, are hereby established as follows: Any central business district, urban or suburban area as defined by this Code.*

*8.3 The limits referred to in Section 5706.5.1.1.1 of this ordinance in which bulk transfer and process transfer operations of flammable or combustible liquids are prohibited, are hereby established as follows: Any central business district, urban or suburban area as defined by this Code.*

**SECTION 9. AMENDMENTS TO THE CALIFORNIA FIRE CODE.**

**CHAPTER 1 DIVISION II, SCOPE AND ADMINISTRATION.** Chapter 1 Division II is amended as follows;

**101.1 Title.** Section 101.1 is amended as follows:

**101.1 Title.** These regulations shall be known as the Fire Code of the Dixon, Vacaville, Suisun, Cordelia and Montezuma Fire Protection Districts, hereinafter referred to as "this ordinance/code." The California Fire Code and International Fire Code adopted by reference in Section 1, amendments thereto, additions, and deletions as set forth in this Section shall become effective as set forth in Section 15. Article, Section, Division, and Appendix numbers used are those of the California Fire Code.

**Section 102 Applicability.** 102.1(5) is added as follows:

5. Where not otherwise limited by law, the provisions of this Code shall apply to vehicles, ships, boats, and mobile vehicles when fixed in a specific location within the boundaries of Solano County.

**Section 109.1 Board of appeals established.** Section 108.1 is amended to add Subsection 108.1.1 as follows:

**109.1.1 Appeals in a State Fire Marshal regulated occupancy.** When a request for an alternate means of protection has been denied by the enforcing agency in an occupancy regulated by the State Fire Marshal, the applicant may file a written appeal to the State Fire Marshal for consideration of the applicant's proposal. In considering such appeal, the State Fire Marshal may seek the advice of the State Board of Fire Services. The State Fire Marshal shall, after considering all of the facts presented, including any recommendations of the State Board of Fire Services, determine if the proposal is for the purposes intended, at least equivalent to that specified in these regulations in quality, strength, effectiveness, fire resistance, durability and safety, and shall transmit such findings and any recommendations to the applicant and to the enforcing agency.

**Section 110.4. Violation penalties.** Section 109.4 is amended in its entirety to read as follows:

**110.4 Violation penalties.** Every person who violates any provision of this Ordinance and any provision of the California Fire Code and International Fire Code, as adopted by reference herein, is guilty of a misdemeanor. 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 ten (10) days that prohibited conditions are maintained shall constitute a separate offense. The application of the aforesaid penalty shall not be held to prevent the enforced removal of prohibited conditions.

This section is a declaration of Section §13871 of the State of California Health and Safety Code and is not intended to create a different or separate penalty.

**106 Fees.** Is amended to add Section 106.6 as follows:

**106.6 Fees for certain services established.** The Fire Districts Board of Directors may, by resolution, establish a schedule of non-discriminatory fees to be charged and collected for plan review, inspections, permits, false alarms and other services provided by the Fire Protection Districts to defray the Fire Protection Districts costs to conduct or provide those services. A copy of this fee schedule shall be on file in the Fire Prevention Division offices for use and examination by the public.

**202 Definitions.** Section 202 is amended by adding the following definitions as follows:

**Administrator.** Shall mean the Chief of the Fire Protection District.

**Central Business District.** A business park having a cluster of buildings generally 2 or more stories in height.

**Chief.** The fire code official.

**Corporation Counsel.** *Solano County Counsel for the Fire Protection Districts.*

**Fire Access Road.** *An all-weather road capable of supporting the imposed load of fire apparatus, a minimum of 20 feet in width, installed for the purpose of providing fire department access to any occupancy, business, residence, premises, property, or vehicle.*

**Fire-break.** *A continuous strip of land upon and from which all rubbish, weeds, grass or other growth that could be expected to burn has been abated or otherwise removed in order to prevent extension of fire from one area to another.*

**Fire Control Room.** *A room (typically 5' x 5') directly accessible from the outside of the building to house risers, fire alarm panels, etc.*

**Jurisdiction.** *The Dixon, Vacaville, Suisun, Cordelia, and Montezuma Fire Protection Districts.*

**Response time.** *The elapsed time from receipt of call to the arrival of the first unit on scene.*

**Rural Area.** *That area outside of an urban area and with one (1) dwelling per 2.5 acres or more.*

**Suburban Area.** *That area generally designated for single family residential use with residential and non-residential uses generally less than 3 stories in height, and parcels up to 1 acre.*

**Urban Area.** *A commercial or residential area having clusters of buildings generally 1 to 3 stories in height including primarily commercial areas of cities and clusters of apartment buildings or condominiums, and commercial corridors along major arterials.*

**Section 401.5 Making false report.** *Section 401.5 is amended by adding Subsection 401.5.1 as follows:*

**401.5.1 False alarm fee.** *A fee may be charged for false alarms according to an adopted ordinance of the Fire Protection District.*

**Section 503.1.2 Additional access.** *Section 503.1.2 is amended to add Section 503.1.2.1 as follows:*

**503.1.2.1 Access to open spaces.** *When access to open land/space or fire trail systems maintained for public or private use is obstructed by new development of any kind, the developer shall provide alternate acceptable access into the area(s) as approved by the fire code official for fire personnel and apparatus.*

**Section 503.2.1 Dimensions.** *Section 503.2.1 is amended as follows and to add Subsections 503.2.1.1 and 503.2.1.2 as follows:*

**503.2.1 Dimensions.** *Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet along its entire width and length. (Overhead clearance of limbs, trees, etc.)*

**Section 503.2.4 Turning Radius.** *Section 503.2.4 is amended as follows:*

**503.2.4 Minimum turning radius.** *A fire department access road shall have a minimum standard turning radius of 28 feet inside and a 52 foot outside diameter.*

**Section 503.2.6 Bridges and Elevated Surfaces** *is amended as follows:*

**503.2.6 Bridges and elevated surfaces:** Where a bridge or an elevated surface is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with AASHTO HB-17. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus (not less than 75,000 lbs.). Vehicle load limits shall be posted at both entrances to bridges. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces which are not designed for such use, approved barriers, approved signs or both shall be installed and maintained when required by the fire code official.

**503.2.6.1 Evaluation:** All existing private bridges and elevated surfaces shall be evaluated by a California licensed civil engineer experienced in structural engineering or a California licensed structural engineer, for the purposes of safety and weight rating, and the vehicle load limits shall be posted at both entrances to bridges. These evaluations shall be performed at the direction of the fire code official.

### **Signage Requirements**

Signs shall meet the following specifications:

1. Signs shall be posted at both entrances to all private bridges and on both sides of culverts.
2. Signs shall be a minimum of 18"x24", 18 gauge steel or aluminum, white in color with black lettering.
3. Letters shall be a minimum of 3-1/2 inches in height with a 3/8 inch stroke.
4. A reflective sign is required
5. The bridge or culvert weight limit, as determined by a qualified engineer, shall appear above the word "TONS"

**Section 503.2.7 Grade.** *Section 503.2.7 is amended as follows:*

**503.2.7 Grade.** *A fire department access road having a grade of between 12% and 16% shall be designed to have a finished surface of grooved concrete or rough asphalt to hold a 75,000 pound traction load. Design for grooved concrete shall be 1/4 inch wide by 1/4 inch deep and 3/4 inch on center. Grades exceeding 16% are not permitted.*

**Exception:** *Other approved all weather surfaces may be used if the skid resistance is equivalent to or greater than grooved concrete as certified by a registered engineer and approved by the fire code official.*

**Section 507.2 Type of Water Supply.** *Section 507.2 Type of water supply is amended as follows:*

**507.2 Type of water supply.** A water supply shall consist of reservoirs, pressure tanks, elevated tanks, water mains or other fixed systems capable of providing the required fire flow based on Appendix B.

*Section 903.2 is amended as follows:*

**903.2 Where required.** Approved automatic sprinkler systems *shall be installed in new buildings and structures as set forth in Section 903.2 as amended, on the basis of occupancy classification, type of construction and square footage as specified in Table 903.2 of this ordinance. The floor areas set forth in Table 903.2 of this ordinance shall be the total floor area of buildings or structures respective of area separation walls.*

***Exceptions:***

1. *Systems which are required to mitigate deficiencies shall be installed in accordance with requirements as deemed necessary by the Fire Code Official.*
2. *In Group R-3, Single Family Dwelling occupancies, the floor area of an attached garage shall be included in the square footage calculation for determination of the total floor area of the occupancy. Attached garages are required to be protected by an automatic sprinkler system when installed in the structure.*
3. *Detached non-combustible equestrian arena shade canopies that are open on all sides and used for riding only- no commercial, assembly or storage use*
4. *Where determined by the Fire Chief that no major life safety hazard exists, and the fuel load does not pose a significant threat to firefighter safety or to other structures or property, automatic fire sprinklers may be exempted.*

*Section 903.2.1 Group A through Section 903.2.1.4 is amended to read as follows and to add Section 903.2.1.8:*

**903.2.1 Assembly Group A.** An automatic sprinkler system shall be provided throughout buildings and portions thereof *containing a Group-A occupancy as provided in this section. For Group A-5 occupancies, the automatic sprinkler system shall be provided in the spaces indicated in California Fire Code Section 903.2.1.5.*

**903.2.1.1 Assembly Group A-1.** An automatic sprinkler system shall be provided for Group A-1 occupancies where *the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.*

**903.2.1.2 Assembly Group A-2.** An automatic sprinkler system shall be provided for Group A-2 occupancies where *the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.*

**903.2.1.3 Assembly Group A-3.** An automatic sprinkler system shall be provided for Group A-3 occupancies where *the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.*

**903.2.1.4 Assembly Group A-4.** An automatic sprinkler system shall be provided for Group A-4 occupancies where *the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.*

**903.2.1.5 Assembly Group A-5.** An automatic sprinkler system shall be provided for Group A-5 occupancies in the following areas: concession stands, retail areas, press boxes and other accessory use areas in excess of 1,000 square feet (93 m<sup>2</sup>).

**903.2.1.8 Business Group B.** An automatic sprinkler system shall be installed throughout buildings containing a Group B occupancy where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.

**Section 903.2.2 Business Group B** is amended to read as follows:

**903.2.2 Ambulatory care facilities.** An automatic sprinkler system shall be installed throughout the entire floor containing an ambulatory care facility where any care recipients are incapable of self-preservation.

**Section 903.2.3 Education Group E** is amended to read as follows:

**903.2.3 Education Group E.** An automatic sprinkler system shall be provided for Group E occupancies where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance and in rooms or areas with special hazards such as laboratories, vocational shops and other such areas where hazardous materials in quantities not exceeding the maximum allowable quantity are used or stored.

**Section 903.2.4.2 Fabrication/Manufacturing Group F-2** is added as follows:

**903.2.4.2 Fabrication/Manufacturing Group F-2.** An automatic sprinkler system shall be provided throughout all buildings containing Group F-2 occupancy where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.

**Section 903.2.7 Mercantile Group M** is amended as follows:

**903.2.7 Mercantile Group M.** An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.

**Section 903.2.8 Residential Group R.** Section 903.2.8 is amended by adding Sections 903.2.8.1.1 through 903.2.8.1.3 and 903.2.8.5 as follows:

**903.2.8.1.1 Residential fire sprinkler systems in additions and remodels of Townhouses.** An Automatic residential fire sprinkler system shall be installed throughout the building when remodels/room additions of townhouses exceeds 25% of the original square footage. (Allowance above 25% will require approval by the Fire Code Official provided an alternative system is approved in lieu of sprinklers.)

**903.2.8.1.2 Residential fire sprinkler design and installation.** Automatic fire sprinkler systems for townhouses shall be designed and installed in accordance with NFPA 13D.

An approved flashing light shall be installed in all new sprinkler systems in such a position as to be plainly visible from the road fronting the property. The signal light shall be installed in such a manner that it will automatically activate in conjunction with the required sprinkler system. The light may also be installed in so that it may be manually activated to assist in locating buildings during other emergencies. The signal light shall be



*a flashing blue or white light capable of a minimum of 80 flashes per minute and a minimum of 25000-candle power. The interconnected smoke alarms in the dwelling shall be connected to the fire sprinkler flow switch.*

**903.2.8.13** *One and two family dwelling automatic fire sprinkler systems for additions and alterations.* An Automatic residential fire sprinkler system shall be installed throughout the building when remodels/room additions of one and two family dwelling units exceeds 25% of the original square footage. (Allowance above 25% will require approval by the Fire Code Official provided an alternative system is approved in lieu of sprinklers.)

*An approved flashing light shall be installed in all new sprinkler systems in such a position as to be plainly visible from the road fronting the property. The signal light shall be installed in such a manner that it will automatically activate in conjunction with the required sprinkler system. The light may also be installed in so that it may be manually activated to assist in locating buildings during other emergencies. The signal light shall be a flashing blue or white light capable of a minimum of 80 flashes per minute and a minimum of 25000-candle power. The interconnected smoke alarms in the dwelling shall be connected to the fire sprinkler flow switch.*

**903.2.8.5** *Fire Sprinkler Requirements in Manufactured Homes, Mobile Homes and Multi-Family Manufactured Housing containing Two or More Dwelling Units.* An automatic fire sprinkler system shall be installed in any manufactured home (MH), Mobile Home, and Multi-Family Manufactured Housing (MFMH) containing two or more dwelling units. These systems shall comply with CCR, Title 25, Division 1, Chapter 3, Article 2.5.

**Section 903.2.9 Storage Group S-1** is amended as follows:

**903.2.9 Storage Group S-1.** An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where *the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance and a Group S-1 occupancy used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet (232m<sup>2</sup>).*

**Section 903.2.9.1 Repair Garages** is amended as follows:

**903.2.9.1 Repair garages.** An automatic sprinkler system shall be provided throughout all buildings *containing a repair garage where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance for Group S-1 occupancy.*

**Section 903.2.10 Storage Group S-2** is amended as follows:

**903.2.10 Storage Group S-2.** An automatic sprinkler system shall be provided throughout all buildings containing a Group S-2 occupancy where *the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance or where the enclosed parking garage is located beneath other groups.*

*Section 903.2.11.3 Buildings 55 feet or more in height is amended as follows:*

**903.2.11.3 Buildings three stories or more than 35 feet in height.** An automatic sprinkler system shall be installed in all occupancies regardless of type of construction, floor area, or occupant load if the building is three or more stories or more than 35 feet in height measured in accordance with California Building Code.

*Section 903.2.16 Laboratories Group L is amended as follows:*

**903.2.16 Laboratories Group L.** An automatic sprinkler system shall be provided throughout all buildings containing a Group L occupancy where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.

*Section 903.2.18 Accessory Structures Group U is amended as follows:*

**903.2.18 Accessory Structures Group U.** An automatic sprinkler system shall be provided throughout all buildings containing a Group U occupancy where the fire area exceeds the square footage based on type of construction in Table 903.2 of this ordinance.

*Exceptions:  
Agricultural Buildings.*

*Section 903.3.5 Water Supplies is amended to add subsection 903.3.5.3 as follows:*

**903.3.5.3 Non-permissible water supply storage.** Swimming pools, ponds, and underground cisterns shall not be considered water storage for the purposes of Section 903.3.5 of the California Fire Code.

**Exception:** Secondary water supplies for fire pumps in commercial buildings where the primary water supply is provided by a municipal water purveyor.

*Section 903.6 Where required in existing buildings and structures is amended and Subsections 903.6.1 thru 903.6.3.1 are added as follows:*

**Section 903.6 Where Required in Existing Buildings and Structures.** An automatic sprinkler system shall be provided in existing buildings and structures where required in Chapter 11 and in locations described in Subsections 903.6.1 through 903.6.2.

**903.6.1 Additions, alterations, or remodels.** In existing buildings any addition, alteration, or remodel which causes the total square footage to exceed the allowable floor area per Table 903.2 of this ordinance by more than 25 percent, shall require the entire building be protected by an automatic sprinkler system installed in accordance with Section 903.3 of the California Fire Code.

**903.6.2 Change in use, character or occupancy classification.** Existing buildings which undergo a change in use, character, or occupancy classification shall require the entire building be protected by an automatic sprinkler system installed in accordance with Section 903.3 of the California Fire Code when the area of the building exceeds the allowable square footage in Table 903.2 of this ordinance.

**Section 903.6.3 and 903.6.4 Additions, alterations, or remodels of Group R-3, Single Family Dwelling occupancies is added as follows:**

**903.6.3 Additions, alterations, or remodels of Group R-3, Single Family Dwelling occupancies.** For Group R-3 occupancies, additions, alterations, or remodels that increase the existing floor area by more than 25 percent shall require the entire building be protected by an automatic sprinkler system.

**903.6.4 Maximum accumulative area increases.** An automatic sprinkler system shall be installed in existing Group R-3 occupancies where due to additions, alterations or remodels the accumulative total square footage exceeds 3,000 square feet, or when the total square footage of the increases exceed 25 percent of the original building.

**Table 903.2 Summary of automatic sprinkler requirements is added as follows:**

Table 903.2  
Summary of Automatic Sprinkler Requirements  
TYPE OF CONSTRUCTION (C.B.C. 2016)

OCCUPANCY	I	II	III	IV	V
A-1	3,000	3,000	3,000	3,000	3,000
A-2	3,000	3,000	3,000	3,000	3,000
A-3	3,000	3,000	3,000	3,000	3,000
A-4	3,000	3,000	3,000	3,000	3,000
A-5	3,000	3,000	3,000	3,000	3,000
B	3,000	3,000	3,000	3,000	3,000
E-(Public)	As required by California Building Code				
E-(Private)	3,000	3,000	3,000	3,000	3,000
E-Day care	3,000	3,000	3,000	3,000	3,000
F-1	3,000	3,000	3,000	3,000	3,000
F-2	3,000	3,000	3,000	3,000	3,000
H Div. 1	All	All	All	All	All
H Div. 2	All	All	All	All	All
H Div. 3	All	All	All	All	All
H Div. 4	All	All	All	All	All
H Div. 5	All	All	All	All	All
I-1	All	All	All	All	All
I-2	All	All	All	All	All
I-3	All	All	All	All	All
I-4	All	All	All	All	All
L	All	All	All	All	All
M	3,000	3,000	3,000	3,000	3,000
R-1	All	All	All	All	All
R-2	All	All	All	All	All
R-3	All	All	All	All	All
R-4	All	All	All	All	All
S-1	3,000	3,000	3,000	3,000	3,000
S-2	3,000	3,000	3,000	3,000	3,000
U	3,000	3,000	3,000	3,000	3,000

**Section 1028.5 Access to a public way.** Section 1027.5 Access to a public way is amended by adding a new subsection 1027.5.1 as follows:

**1028.5.1 Exit discharge surface.** Exterior exit pathway surfaces shall be suitable for pedestrian use in inclement weather.

**Section 1103 Fire Safety Requirements for Existing Buildings.** Subsection 1103.5.5 is added as follows:

**1103.5.5 Existing non-complying conditions.** Existing buildings which do not conform to current California Building Code or California Fire Code requirements may be required to install an automatic fire extinguishing system when interior alterations or remodeling occurs, regardless of whether there is a change of occupancy, use or increase in floor area. It shall be the responsibility of the fire code official and the building code official having jurisdiction to evaluate the work being performed, non-complying features, and determine if an automatic fire extinguishing system shall be required.

**Exception:** In Group R-3 occupancies, unless already provided with an automatic fire extinguishing system, single family dwellings need not comply with this Section but will need to comply with Section 903.2.8.5 of this ordinance.

**Section 3310.2 Key Boxes.** Section 3310.2 is amended by adding Subsections 3310.2.1 and 3310.3 as follows:

**3310.2 Key boxes.** Key boxes shall be provided as required by Chapter 5 and this Code.

**3310.2.1 Construction site locks.** Site security gates shall be provided with a Fire Department padlock. Application for a District padlock is made through the Fire Prevention Office.

**3310.3 Access to structures.** Staging of building materials, placement of equipment or parking of worker vehicles shall not obstruct frontal access to structures under construction or fire hydrants.

**5001.1 Scope.** Section 5001.1 is further amended by adding subsections 5001.1.2 and 5001.1.3 as follows:

**5001.1.2 Coordinated enforcement.** Where Solano County Health Services Department is enforcing Health and Safety Code and/or county regulation, the Fire Protection District will coordinate regulation efforts when and where practical so as to not require duplication of time and resources to comply with hazardous material regulations. Where Solano County Health & Safety regulations and California Fire Code regulations conflict, the more restrictive provisions shall prevail.

**Exception:** Where state or county regulations specifically limit or pre-empt local regulations to be more restrictive.

**5001.1.3 Established limits.** The storage of hazardous materials and maximum quantity onsite is prohibited within the limits established by law as the limits of Fire Protection District in which such storage is prohibited.

**Section 5001.5.1 Hazardous materials management plan (HMMP).** Section 5001.5.1 is amended by adding subsection 5001.5.1.1 as follows:

**5001.5.1.1 Alternate hazardous material management plan (HMMP).** Hazardous material management plans required by the Solano County Health Services Department may be accepted in lieu of plans required by Section 5001.5.1 of the California Fire Code.

**Section 5001.5.2 Hazardous materials inventory statement.** Section 5001.5.2 is amended by adding subsection 5001.5.2.1 and 5001.5.3 as follows:

**5001.5.2.1 Alternate hazardous material inventory statement (HMIS).** Hazardous material inventory statements (HMIS) required by the Solano County Health Service Department may be accepted in lieu of statements required by Section 5001.5.2 of the California Fire Code.

**5001.5.3 Emergency response support information.** Where required by the fire code official additional information may be required to facilitate emergency responses to facilities, buildings, areas, and rooms, which contain hazardous materials. Cabinets may be required outside of facilities or buildings to limit emergency responder's risk to obtain floor plans, material safety data sheets, and/or other information. Information may be required in a specific electronic media format to facilitate computer aided dispatching.

**Section 5003.9.1 Personnel training and written procedures.** Section 5003.9.1 is amended to add Section 5003.9.1.2 as follows:

**5003.9.1.2 Documentation.** Documentation of personnel training and written procedures that comply with state and federal regulations will be accepted as complying with this code. Said documentation shall be maintained and available for inspection by fire department personnel.

**Section 5301.1 Scope.** Section 5301.1 is amended to add Section 5301.1.1

**5301.1.1 Established limits and maximum capacity.** The storage of CNG is prohibited within the limits established by law as the limits of the Fire Protection District in which such storage is prohibited. See Section 4 of this ordinance.

**Section 5501.1 Scope.** Section 5501.1 is amended to add Section 5501.1.1

**5501.1.1 Established limits.** The storage of Flammable cryogenics is prohibited within the limits established by law as the limits of the Fire Protection Districts in which such storage is prohibited. See Section 5 of this ordinance.

**Section 5504.3.1.1.3 Location.** Section 5504.3.1.1.3 is amended to read as follows:

**5504.3.1.1.3 Location.** Stationary containers shall be located in accordance with Section 5504.3 of the California Fire Code. Containers of cryogenic fluids shall not be located within diked areas containing other hazardous materials.

**Section 5608 Fireworks display.** Section 5608 is amended by adding Sections 5608.1, 5608.2 and 5608.3 as follows:

**5608.1 Permit required.** Permits to conduct an aerial display shall be required as set forth in Section 105.6.50 and regulated in accordance with California Code of Regulations, Title 19, Chapter 6 and this section.

**Exception:** Snap Caps and Party Poppers as classified by the Office of the State Fire Marshal as pyrotechnic devices.

**5608.2 Prohibited and Limited Acts.** Storage of explosive materials is prohibited within the limits established by law as the limits of the Fire Protection Districts in which such storage is prohibited. See Section 7 of this ordinance. In the Fire Protection Districts where the storage of explosive materials is permitted the quantities of explosives and distances shall be in accordance with California Fire Code.

**5608.3 Financial responsibility.** Before a permit is issued, as required by Chapter 56 of the 2019 California Fire Code the applicant shall file with the jurisdiction a corporate surety bond in the principal sum of \$1,000,000 or a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property which arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The fire code official is authorized to specify a greater or lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement.

**Section 5704.2.9.6.1 Locations where above-ground tanks are prohibited.** Section 5704.2.9.6.1 is amended to read as follows:

Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as 'the limits of the Fire Protection Districts in which such storage is prohibited See Section 8.1 of this ordinance.

**Exception:** Protected aboveground tanks for the purpose of emergency power generator installations in areas zoned commercial, industrial, agricultural, central business, rural or rural residential, and for facilities on an individual basis consistent with the intent of this provision. Tank size not to exceed 500 gallons of either Class I or II liquids or 1,000 gallons for Class III liquids.

**Section 5704.2.11 Underground tanks.** Sections 5704.2.11 is amended as follows and Section 5704.2.11.5.3 has been added as follows:

**5704.2.11 Underground tanks.** Underground storage of flammable and combustible liquids in tanks shall comply with Section 5704.2 and Sections 5704.2.11.1 through 5704.2.11.4.3.

**5704.2.11.4.3 Secondary containment.** Underground tanks used for the storage of flammable and combustible liquids shall be provided with secondary containment. In lieu of providing secondary containment for an underground tank, an above-ground tank in an underground vault complying with Section 5704.2.8 of the 2019 California Fire Code shall be permitted.

**Section 5706.4 Bulk plants or terminals.** Section 5706.4 is amended to add Section 5706.4.5.1 as follows:

**5706.4.5.1 Established limits.** Bulk plants or terminals for receiving or storage of flammable or combustible liquids are prohibited within the limits established by law as the limits of the Fire Protection District in which such storage is prohibited. See Section 8.2 of this ordinance.

**Section 5706.5 Bulk transfer and process transfer operations.** Section 5706.5 is amended to add Section 5706.5.1.1.1 as follows:

**5706.5.1.1.1 Established limits.** Bulk transfer and process transfer operations for receiving or transferring flammable or combustible liquids are prohibited within the limits established by law as the limits of districts in which such operations is prohibited, see Section 8.3 of this ordinance.

**Section 6103.2.1.7 Use for food preparation.** Section 6103.2.1.7 is amended to add Section 6103.2.1.7.1

**6103.2.1.7.1 Group A, Assembly, and B, Business, Occupancies.** Individual portable containers used, stored, or handled inside of buildings classified as a Group A or Group B occupancy for the purposes of cooking, display, or similar use shall be limited in size to one quart capacity and shall be of an approved type. The number of portable containers permitted will be at the discretion of the fire code official or his or her authorized representative. LP-gas appliances used for food preparation shall be listed for such use in accordance with the California Mechanical Code and NFPA 58.

**Section 6104.2 Maximum capacity within established limits.** Section 6104.2 is amended to correlate updated section reference number as follows:

**6104.2 Maximum capacity within established limits.** Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7570 L). See Section 6 of this ordinance.

## **Chapter 80 REFERENCE STANDARDS**

**NFPA 13, 2019 Edition, Section 8.1 Basic Requirements.** Section 8.1 is amended to add subsection 8.1.3 as follows:

**8.1.3 System risers shall be located in fire control rooms of the protected premises with an exterior door.** The door shall be labeled "FIRE CONTROL ROOM" in 6" high letters.

**NFPA 13D, 2016 Edition, is amended as follows:**

*Chapter 7 Installation*

*Subsection 7.6 is amended in its entirety to read as follows:*

*7.6 Alarms. Water flow switches shall be connected to smoke alarms in such a way that flow detection will cause all required smoke alarms to sound.*

**Exception:** *When an approved water flow monitoring system is installed, interior audible notification devices may be powered through the alarm panel.*

*Chapter 8 Sprinkler Position and Location, is amended as follows:*

*Subsection 8.3.4 is amended to read as follows:*

*8.3.4 Sprinklers shall not be required in open porches, carports and similar structures*

*Subsection 8.3.5.1.1 is amended to read as follows:*

*8.3.5.1.1 Where fuel fire equipment is located above living areas of the dwelling unit, a pilot head shall be installed above and in the vicinity of the equipment.*

*Subsection 8.3.10 is hereby added as follows:*

*8.3.10 Attached garages, or other structures which are attached in any manner, shall be protected with a fire sprinkler system. They shall have quick response fire sprinklers spaced to provide a maximum of one hundred-thirty (130 sf) square feet coverage. The diameter of the main or cross-main shall be equal to the largest piping used in the system.*

**NFPA 13R**, 2019 Edition, Section 6.11.2 Fire Department Connection. Section 6.11.2 is amended to read as follows:

**6.11.2** *Fire department connections shall be a minimum 2½ inch. For buildings served by a separate fire service system a standard double 2½ inch fire department connection shall be provided.*

**NFPA 14**, 2019 Edition, is amended as follows:

*Subsections 7.3.3.1 and 7.3.3.2 are hereby deleted and replaced as follows:*

*7.3.3.1 Class II systems are not approved*

**NFPA 24**, 2019 Edition, Chapter 5 Water Supplies

*Subsection 5.9.5.1 is hereby amended to read as follows:*

*5.9.5.1 Fire Department Connections shall be located within 40 feet (40') of a fire hydrant and immediately adjacent to an approved access road.*

**NFPA 72**, 2019 Edition, Section 10.4 Installation and Design is amended as follows:

*Subsection 10.4.3 is amended to add subsection 10.4.3.1 Fire Alarm Control Unit Locations as follows:*

*10.4.3.1 Fire Alarm Control Unit Locations. Fire alarm control units shall be installed in fire control rooms of the protected premises. Actual location shall be approved by the fire code official.*

*Subsection 17.7.4 HVAC Systems. Section 17.7.4 is amended by adding Subsection 17.7.4.5 as follows:*

*17.7.4.5 Connections between fire alarm systems and the HVAC system for the purpose of monitoring and control shall operate and be monitored in accordance with applicable NFPA standards. Smoke detectors mounted in the air ducts of HVAC systems in buildings protected through-out by an automatic sprinkler system complying with NFPA 13 shall initiate a supervisory signal at the protected premises and at a UL listed Central Station Service.*

## **Appendix C Fire Hydrant Locations and Distribution**

*Section C102 Location, is amended to add subsection C102.2 as follows:*

*C102.2 A fire hydrant shall be located within forty (40') of fire department connections (FDC)*

**Appendix H, Hazardous Materials Management Plans and Hazardous Materials Inventory Statements.** Appendix H, Hazardous Materials Management Plans and Hazardous Materials Inventory Statements is amended to add H1.1 Exception 3 as follows:



*3. Hazardous material management plans and inventory statements as required by Section 25509.2(3) of the California health and safety Code may be accepted in lieu of the requirements of this Appendix.*

**SECTION 10. APPEALS. (requires the establishment of an Appeals Board)**

*10.1 Appeals. Whenever the fire code official disapproves an application or refuses 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 has been misconstrued or wrongly interpreted, the applicant may appeal within 30 days the fire code officials decision to a Board of Appeals established in accordance with Appendix A of the California Fire Code.*

**SECTION 11. REPEAL OF CONFLICTING ORDINANCES.**

*11.1 Repeal. The following Ordinance previously adopted by the Board of Directors is hereby repealed: Ordinance #14-01, Dixon Fire Protection District (California Fire Code, 2013 Edition).*

**SECTION 12. VALIDITY.**

*12.1 Validity. The Board of Directors of the District hereby declares that should any section, paragraph, sentence or work of this Ordinance or of the California Fire Code as adopted and amended herein be declared for any reason to be invalid, it is the intent of the Board of Directors of the District that it would have passed all other portions or provisions of this Ordinance independent of the elimination here from any such portion or provision as may be declared invalid.*

**SECTION 13. MORE RESTRICTIVE REQUIREMENTS.**

*13.1 More restrictive requirements. In the event the Fire Protection District or Solano County, adopt more restrictive requirements, or amend those provisions contained herein, those more restrictive or amended requirements shall only apply within the jurisdiction adopting such requirements.*

**SECTION 14. DATE OF EFFECT.**

*14.1 Date of effect. This Ordinance shall become effective on January 1, 2020, and within fifteen (15) days of passage, shall be published once with the names of the Directors voting for and against it, in the Dixon Tribune, and the Vacaville Reporter, newspapers of general circulation in this District.*