



RESOLUTION NO. 008-2023
OF THE BOARD OF SUPERVISORS OF THE COUNTY OF EL DORADO
(REPEALING RESOLUTION NO. 036-2020)

WHEREAS, the California Code of Regulations, Title 24, Part 9, the California Fire Code, is updated by the State every three years; and

WHEREAS, the 2022 California Fire Code became effective on January 1, 2023; and,

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 permits a county to make such local amendments and modifications as the county determines are reasonably necessary because of local climatic, geological or topographical conditions; and,

WHEREAS, the California Code of regulations, Health and Safety Code, Division 12, Part 2, Chapter 1, Article 12, Section 13146, assigns responsibility for enforcement of safety regulations to the local level and grants authority to delegate enforcement to the chief building official, or his or her authorized representative, or the chief of the fire protection district, or his or her representative; and,

WHEREAS, the County of El Dorado desires to delegate enforcement of the Fire Code to the chief of the fire authority, or the chief's authorized representative; and,

WHEREAS, the fire protection district and County have agreed to develop, implement and maintain a memorandum of understanding that describes the roles and responsibilities pertaining to the inspection of certain building standards found in the Fire Code; and,

WHEREAS, on October 31, 2022, The Board of Directors of the Diamond Springs-El Dorado Fire Protection District adopted Ordinance No. 2022-01, which adopted the 2022 California Fire Code with amendments the District deemed necessary to deal with local climate, geological or topographical conditions.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors of the County of El Dorado ratifies Ordinance No. 2022-01 of the Diamond Springs-El Dorado Fire Protection District and delegates the enforcement of the ordinance to the Diamond Springs-El Dorado Fire Protection District Chief, or his or her representative.

These changes include amendments and additions to the California Fire Code in the following sections:

101.1, 105.5, 105.5.55, 105.6, 105.6.25, 105.6.26, 107.5, 107.5.1, 107.7, 111.5, 112.4, 112.4.2, 113.4, 202, 302.1, 307.4.4, 401.2.1, 503.2.1, 503.2.5, 503.2.6, 503.3.1, 503.3.2, 503.3.3, 503.6, 505.1, 507.5.1, 509.3, 510.4.2.3, 903.2, 903.2.1.1, 903.2.1.2, 903.2.1.3, 903.2.1.4, 903.2.3, 903.2.4, 903.2.7, 903.2.7.2, 903.2.8.5, 903.2.9, 903.2.10, 903.2.10.1, 903.2.22, 903.2.23, 903.6, 907.2,

907.2.1.4, 907.2.2.3, 907.2.3.11, 907.2.4.1, 907.2.5.2, 907.2.6.6, 907.2.7.2, 907.2.8.4, 907.2.9.4, 907.2.10.1, 907.2.30, 907.6.5, 907.6.2.1, 907.9, 1203.1.3, 3311.3, 3313.1, 5001.7, 5601.2, 5704.2.9.6.1, 5706.2.4.4, 5806.2, 6104.2, Chapter 80 NFPA 1-22 Section 22.3, Chapter 80 NFPA 1-22 Section 22.10, Chapter 80 NFPA 13D-22: Sections 4.6, 5.1.1.2, 7.6, 11.2.1.1, Appendix B: Table B105.1(1), Appendix B: Table B105.2, Appendix D Sections D103.1 through D103.3, Appendix D 103.5, Appendix D 103.6.1, Appendix D103.6.2, Appendix D104.4

Diamond Springs-El Dorado Fire Protection District adopts the 2022 California Fire Code, Title 24, Part 9, in its entirety, including Appendices, incorporating those sections of the International Fire Code, 2021 edition not adopted by the state, with the exclusions listed below:

103, 309, 311.5, 311.6, 318, 403.3, 403.5, 403.8, 403.10, 403.11, 404, 406, 903.3.1.2, 904.1.1, 1103.1, 1103.3-1103.4, 1103.6, 1105, Chapter 26, D104.2 (exception only), D106.1 (exception only), D107.1 (Exceptions only), Appendix A, Appendix G, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O.

Appendices not adopted can be used for reference in enforcing other sections of the 2022 California Fire Code.

PASSED AND ADOPTED by the Board of Supervisors of the County of El Dorado at a regular meeting of said BOARD, held the 3rd day of January, 2023, by the following vote of said Board

Attest:
Kim Dawson
Clerk of the Board of Supervisors

By: 
Deputy Clerk

Ayes: Thomas, Hidahl, Turnboo, Parlin, Laine
Noes: None
Absent: None


Chair, Board of Supervisors
Wendy Thomas



Diamond Springs - El Dorado Fire Protection District

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www.diamondfire.org

November 21, 2022

Don Ashton, Chief Administrative Officer
El Dorado County Board of Supervisors
330 Fair Lane
Placerville CA 95667

Subject: Resolution Ratifying Ordinance No 2022.01 of the Diamond Springs-El Dorado Fire Protection District, which Adopts the 2022 California Fire Code with Amendments related to local climatic, geographic, and topographic conditions.

Dear Mr. Ashton:

The Diamond Springs-El Dorado Fire Protection District (DSEDFPD) is requesting the Board of Supervisors (BOS) ratify its Ordinance No. 2022.01, which adopts the 2022 California Fire Code as amended due to specific local climatic, geographic, and topographic conditions. California Health and Safety Code Section 13869.7 requires the legislative body of the city or county where the ordinance will apply to ratify, modify, or deny the adopted ordinance. The BOS must also delegate enforcement of the ordinance to either the Fire District (or its representative) or the Chief Building Official.

Therefore, we request the Board of Supervisors ratify Ordinance No. 2022.01 with amendments to the 2022 California Fire Code, and delegate the enforcement of that Ordinance to the Diamond Springs-El Dorado Fire Protection District Chief. A proposed BOS resolution is enclosed for your review and use on this topic.

This resolution has no direct fiscal impact to the County.

Sincerely,

A handwritten signature in black ink, appearing to read "Leah Yaws". The signature is written in a cursive, flowing style.

Leah Yaws
Fire Marshal

Attachments:

1. Diamond Springs-El Dorado Fire Protection District Ordinance No. 2022.01
2. Diamond Springs-El Dorado Fire Protection District Finding of Facts Resolution No. 2022.09

Attachment No. 1

Diamond Springs El Dorado Fire Protection District

Ordinance No. 2022-01

DIAMOND SPRINGS / EI DORADO FIRE PROTECTION DISTRICT
ORDINANCE NO. 2022-01

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE DIAMOND
SPRINGS / EL DORADO FIRE PROTECTION DISTRICT AS FOLLOWS:

An ordinance of the Diamond Springs / El Dorado Fire Protection District (DSEDFPD) adopting the 2022 Edition of the *California Fire Code*, incorporating the 2021 Edition of the *International Fire Code*, regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the DSEDFPD; providing for the issuance of permits and collection of fees therefor; Repealing Ordinance No. 2019-01 of the DSEDFPD and all other ordinances and parts of the ordinances in conflict therewith.

Be it ORDAINED by the Board of Directors of the DSEDFPD, also known as the Diamond Springs / El Dorado Fire Protection District:

- Section 1: **FINDINGS OF FACTS**
- Section 2: **ADOPTION OF CODE WITH EXCLUSIONS**
- Section 3: **LOCAL AMENDMENTS**
- Section 4: **CONFLICT**
- Section 5: **SEVERABILITY**
- Section 6: **EFFECTIVE DATE AND PUBLICATION**

SECTION 1: FINDINGS OF FACTS

The DSEDFPD makes certain changes (listed below) to the *California Fire Code*, 2022 Edition, pursuant to *Health & Safety Code Sections 13869.7, 17958.5, 17958.7 and 18941.5* during this code adoption process. Such changes are necessary because of local climatic, geological and/or topographical conditions. The DSEDFPD has adopted, pursuant to *Section 18941.5* of the *California Health & Safety Code*, the findings of facts relative to these conditions by Resolution #2022-09 of the DSEDFPD dated October 11, 2022.

SECTION 2: ADOPTION OF CODE WITH EXCLUSIONS

The DSEDFPD adopts the 2022 *California Fire Code*, Title 24, Part 9, in its entirety, including Appendices, incorporating those sections of the *International Fire Code*, 2021 edition not adopted by the state, with the exclusions listed below:

Exclusions: 103, 309, 311.5, 311.6, 318, 403.3, 403.5, 403.8, 403.10, 403.11, 404, 406, 903.3.1.2, 904.1.1, 1103.1, 1103.3-1103.4, 1103.6, 1105, Chapter 26, D104.2 (Exception only), D106.1 (Exception only), D107.1 (Exceptions only), Appendix A, Appendix G, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O.

Appendices not adopted can be used for reference in enforcing other sections of the 2022 *California Fire Code*.

SECTION 3: AMENDMENTS TO THE 2022 CALIFORNIA FIRE CODE

The following Sections are hereby amended or added:

Chapter 1

SECTION 101.1 "TITLE" SHALL BE AMENDED AS FOLLOWS:

Section 101.1 TITLE. These regulations shall be known as the Fire Code of ECFPD, hereinafter referred to as "this code".

SECTION 105.5 "REQUIRED OPERATIONAL PERMITS" IS AMENDED AS FOLLOWS:

Section 105.5 Required operational permits. The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.5.2 through 105.5.525.

SECTION 105.5.55 "AUTOMOBILE WRECKING YARDS" IS ADDED AS FOLLOWS:

Section 105.5.55 Automobile wrecking yards. An operational permit is required for the operation of automobile wrecking yards.

SECTION 105.6 "REQUIRED CONSTRUCTION PERMITS" IS AMENDED AS FOLLOWS:

Section 105.6 required construction permits. The fire code official is authorized to issue construction permits for work as set forth in sections 105.6.1 through 105.6.246.

SECTION 105.6.25 "AUTOMOBILE WRECKING YARDS" IS ADDED AS FOLLOWS:

Section 105.6.25 Automobile wrecking yards. Construction permits are required for the installation of or modification to automobile wrecking yards.

SECTION 105.6.26 "TRAFFIC CALMING DEVICES" IS ADDED AS FOLLOWS:

105.6.26 Traffic calming devices. *Construction permits are required for the installation or modification of traffic calming devices.*

SECTION 107.5 "PERMIT, PLAN REVIEW AND INSPECTION FEES" SHALL BE ADDED AS FOLLOWS:

Section 107.5 Permit. *A schedule of fees adopted by the district board of directors for plan review, inspections and the issuance of permits by the district may be found in the most current district fee schedule (Health & Safety Code 17951).*

SECTION 107.5.1 "COST RECOVERY FEES" SHALL BE ADDED AS FOLLOWS:

Section 107.5.1 Cost Recovery Fees. *Fire service fees may be charged to any person, firm, corporation or business that through negligence, violation of the law, or as a result of carelessness, is responsible for the cause of the district to respond to the scene of an incident. A district board may charge a fee to cover the cost of any service which the district provides or the cost of enforcing any regulation for which the fee is charged (Health & Safety Code 13916). The fee shall not exceed the actual cost of suppressing the fire and/or responding to the scene of an incident.*

SECTION 107.7 "ADMINISTRATIVE COSTS" SHALL BE ADDED AS FOLLOWS:

Section 107.7 Administrative Costs. *When a test or inspection is scheduled, and the contractor fails to perform to the satisfaction of the authority having jurisdiction (AHJ), the AHJ may bill the contractor for actual time spent traveling to and from the test/inspection location and the time spent at the test/inspection site as well as administrative costs.*

SECTION 111.5 "APPEAL PROCEDURES AND TIMELINES" SHALL BE ADDED AS FOLLOWS:

Section 111.5 Appeal Procedures and Timelines. *Any person or entity who believes they may be adversely affected by an order, decision, or determination made by the fire code official through a written notice may appeal this matter within 15 calendar days of the postmark on the notice. All such appeals shall be filed in writing with the Secretary of the Governing Board for the district. A timely appeal shall stay further action by the fire code official until the matter is determined by the Appeal Board as outlined in Section 109.2, unless the issue poses an imminent fire or life safety hazard to members of the public. The fire code official shall notify the appellant by certified mail of the date and time of such hearing. The hearing shall be scheduled to take place no sooner than 20 calendar days from the date shown on the certified mail. The appellant shall have the right to appear in person or by agent at the hearing and present oral, written and/or photographic evidence to the Appeal Board.*

SECTION 112.4 "VIOLATION PENALTIES" SHALL BE AMENDED AS FOLLOWS:

Section 112.4 Violation Penalties. *Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a *misdemeanor**

or infraction, at the discretion of the prosecuting attorney or agency, punishable by a fine not more than \$100.00 for a first violation; A fine not exceeding \$500.00 for a second violation of the same provision within one year; A fine not exceeding \$1000.00 for each additional violation of the same provision within one year, or by imprisonment not exceeding 180 days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense. (Health & Safety Code Sections 13145 and 17995).

SECTION 112.4.2 "CITATIONS" SHALL BE ADDED AS FOLLOWS:

Section 112.4.2 Citations. *The Fire Chief, or his/her duly authorized representative, may issue citations for infractions or misdemeanor violations of this code pursuant to Section 13871 of the Health & Safety Code of the State of California and Chapter 5c (commencing with Section 853.6) of Title 3 of Part 2 of the Penal Code of the State of California.*

SECTION 113.4 "FAILURE TO COMPLY" SHALL BE AMENDED AS FOLLOWS:

Section 113.4 Failure to Comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be *punishable by a fine or imprisonment or both as described in Section 112.4 (Health & Safety Code Sections 13145 and 17995).*

Chapter 2

SECTION 202 "CAMPFIRE" SHALL BE ADDED AS FOLLOWS:

CAMPFIRE. *A fire which is used for cooking, personal warmth, lighting, or aesthetic purposes.*

SECTION 202 "DISTRICT" SHALL BE ADDED AS FOLLOWS:

DISTRICT. *The district and all other areas within the exterior boundaries thereof now or hereafter established.*

SECTION 202 "DRIVEWAY" SHALL BE ADDED AS FOLLOWS:

DRIVEWAY. *A vehicular access that serves up to two (2) parcels with no more than two (2) residential units and any number of non-commercial or industrial buildings on each parcel.*

SECTION 202 "EXECUTIVE BODY" SHALL BE ADDED AS FOLLOWS:

EXECUTIVE BODY. *The Board of Directors of the District.*

SECTION 202 "FIRE CHIEF" SHALL BE ADDED AS FOLLOWS:

FIRE CHIEF. *The Chief Executive Fire Officer of the Fire department/district serving the jurisdiction or a duly authorized representative.*

SECTION 202 "FIRE HAZARD" SHALL BE ADDED AS FOLLOWS:

FIRE HAZARD. Any condition, arrangement, or act which will increase, or may cause an increase of, the hazard or menace of fire to a greater than customarily recognized as normal by persons in the public service of preventing, suppressing or extinguishing fire; or which may obstruct, delay, or hinder, or may become the cause of obstruction, delay or hinderance to the prevention, suppression, or extinguishment of fire.

SECTION 202 "OPEN BURNING" SHALL BE AMENDED AS FOLLOWS:

OPEN BURNING. The burning of materials wherein products of combustion are emitted directly into the ambient air without passing through a stack or chimney from an enclosed chamber. Open burning does not include road flares, smudge-pots and similar devices associated with safety or occupational uses typically considered open flames. For the purpose of this definition, a chamber shall be regarded as enclosed when, during the time combustion occurs, only apertures, ducts, stacks, flues or chimneys necessary to provide combustion air and permit the escape of exhaust gas are open.

Open burning shall also include campfires, bonfires, portable outdoor fireplaces, ceremonial fires, and recreational fire as defined in the Fire Code.

Exception:

1. *UL or ASMI listed LPG or natural gas outdoor flame devices, such as gas BBQ's or gas fire pits that comply with the Fire Code.*
2. *For one- or two-family dwellings, fixed or portable outdoor flame devices that meet the following:*
 - a. *Devices shall comply with the Fire Code.*
 - b. *Devices shall be used per manufacturer's specifications.*
 - c. *Minimum 10-foot clearance from device to all flammable material and vegetation.*
 - d. *No burning shall be conducted during high or extreme fire weather conditions (e.g., National Weather Service Red Flag Warnings).*
3. *Campfires on private lands. Where required by the fire code official, a permit shall be issued by the fire code official.*
4. *Ceremonial and/or religious burning with the following safety measures:*
 - a. *Maximum 4-foot x 4-foot burn area.*
 - b. *Minimum 10-foot clearance from edge of burn area to all flammable material and vegetation.*
 - c. *An approved water supply is located within 500-feet of the burn area.*
 - d. *The burn area is located no less than 30-feet from adjoining property lines.*
 - e. *An adult is present with a shovel until the fire is extinguished.*
 - f. *No burning shall be conducted during high or extreme fire weather conditions (e.g., National Weather Service Red Flag Warnings).*

SECTION 202 "TRAINED CROWD MANAGER" SHALL BE ADDED AS FOLLOWS:

TRAINED CROWD MANAGER. *Standby personnel, usually a security guard or usher personnel, who are trained in the proper procedure to exit people from a tent or other place of public assemblage in an orderly and calm fashion in the event of an emergency*

Chapter 3

SECTION 302.1 "DEFINITIONS" SHALL BE AMENDED AS FOLLOWS:

3D PRINTER.
ADDITIVE MANUFACTURING.
BONFIRE.
CAMPFIRE.
HI-BOY.
HIGH-VOLTAGE TRANSMISSION LINE.
OPEN BURNING.
PORTABLE OUTDOOR FIREPLACE.
POWERED INDUSTRIAL TRUCK.
RECREATIONAL FIRE.
SKY LATTERN.

SECTION 307.4.4 "OPEN BURNING RESTRICTIONS" SHALL BE ADDED AS FOLLOWS:

Section 307.4.4 Open Burning Restrictions. *Open burning on all lands within the jurisdiction of the Diamond Springs / El Dorado Fire Protection District (DSEDFPD), including the Local Response Area (LRA), is prohibited when the California Department of Forestry and Fire Protection (Cal Fire) issues a burn suspension in the State Responsibility Area (SRA). This prohibition shall be made effective 24-hours following its commencement in the SRA.*

Open burning is also prohibited on all lands within the jurisdiction of DSEDFPD at any time the fire code official that atmospheric conditions or other local circumstances make such fires hazardous, including factors such as high winds, low fuel moisture, fire weather, the issuance of red flag warnings, severe threat of wildland fire, or present risk of destruction by wildfire to life, wildlife, property, or natural resources.

Chapter 4

SECTION 401.2.1 "PRE-FIRE PLANS" IS ADDED AS FOLLOWS:

Section 401.2.1 Pre-fire plans. *Where required by the fire code official, a pre-fire plan shall be provided and approved by the fire code official for all new commercial structures.*

Chapter 5

SECTION 503.2.1 "DIMENSIONS" SHALL BE AMENDED AS FOLLOWS:

Section 503.2.1 Dimensions. *Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, as measured from face of curb to face of curb, except for approved security gates in accordance with Section 503.6, and an*

unobstructed vertical clearance of not less than 15 feet. Driveways shall have an unobstructed width of not less than 12 feet wide.

SECTION 503.2.5 "DEAD ENDS" SHALL BE AMENDED AS FOLLOWS:

Section 503.2.5 Dead Ends. Dead-end fire apparatus access roads and driveways in excess of 150 feet (45,720 mm) in length shall be provided with an approved area for turning around fire apparatus.

SECTION 503.2.6 "BRIDGES AND ELEVATED SURFACES" SHALL BE AMENDED AS FOLLOWS:

Section 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, the current El Dorado County Transportation Division Bridge Standard or Appendix D of the current California Fire Code, whichever is more restrictive. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus. Vehicle load limits shall be posted at both entrances to bridges when required by the fire code official. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces that are not designed for such use, approved barriers, approved signs or both shall be installed and maintained where required by the fire code official.

SECTION 503.3.1 "NO PARKING IN FIRE LANES" SHALL BE ADDED AS FOLLOWS:

Section 503.3.1 No Parking In Fire Lanes. No person shall stop, park, or leave standing any vehicle, whether attended or unattended, except when necessary to avoid conflict with other traffic or in compliance with the directions of the Fire Chief, or his/her duly authorized representative, Peace Officer or official traffic control device along the edge of any highway, at any curb, or in any location in a publicly or privately owned or operated off-street parking facility, designated as a fire lane by the district with jurisdiction over the area in which the place is located. The designation shall be indicated (1) by a sign posted immediately adjacent to, and visible from, the designated place clearly stating in letters not less than one inch in height that the place is a fire lane, (2) by outlining or painting the place in red and, in contrasting color, marking the place with the words "FIRE LANE", which are clearly visible from a vehicle, or (3) by a red curb or red paint on the edge of the roadway upon which is clearly marked the words "FIRE LANE".

SECTION 503.3.2 "NO PARKING IN FRONT OF HYDRANTS" SHALL BE ADDED AS FOLLOWS:

Section 503.3.2 No Parking In Front of Hydrants. No person shall stop, park, or leave standing any vehicle within 15 feet of a fire hydrant except as follows: (a) If the vehicle is attended by a licensed driver who is seated in the front seat and who can immediately move such vehicle in case of necessity, (b) If the vehicle is owned or operated by a fire department and is clearly marked as a fire department vehicle.

SECTION 503.3.3 "FIRE LANES BASED ON ROAD WIDTH" SHALL BE ADDED AS FOLLOWS:

Section 503.3.3 Fire Lanes Based on Road Width. *Fire lanes shall be based on road width as required in Appendix D as amended by the district.*

SECTION 503.6 "SECURITY GATES" IS AMENDED AS FOLLOWS:

Section 503.6 Security Gates. *The installation of security gates across a fire apparatus access road shall be approved by the fire code official and shall comply with the District gate standard. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed, and installed to comply with the requirements of ASTM F2200.*

SECTION 505.1 "ADDRESS IDENTIFICATION" SHALL BE AMENDED AS FOLLOWS:

Section 505.1 Address Identification. *Addresses for new and existing buildings shall comply with the District address standard as approved by the fire code official. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address identification shall be maintained.*

SECTION 507.5.1 "WHERE REQUIRED" SHALL BE AMENDED AS FOLLOWS:

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 150 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 capable of supplying the required fire flow shall be provided where required by the fire code official.*

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall be 600 feet (183 m).

SECTION 509.3 "FIRE CONTROL ROOM" SHALL BE ADDED AS FOLLOWS:

Section 509.3 Fire Control Room. *Fire sprinkler risers, fire alarm control panels, solar photovoltaic power system rapid shutoff switches, and other fire detection, suppression or similar control elements shall be located inside a single fire control room for the building. The fire control room shall have minimum dimensions of five feet by seven feet in size with a total usable area of not less than 35 square feet. The room shall be located within the building on an outside wall at a location approved by the Fire Code Official and shall be accessible from the exterior. An exterior access door with a clear width of not less than 32 inches and height of not less than 80 inches shall be provided for access into the room. A durable sign shall be affixed to the exterior of the door with the words "FIRE CONTROL ROOM" in letters not less*

than 4 inches in height. A key box complying with Section 506 shall be installed on the exterior side of the fire control room door opening.

The room must be capable of maintaining a minimum temperature of 40 degrees Fahrenheit. A clearance of 12 inches shall be provided from the fire sprinkler risers to any adjacent walls. This room can be shared with other building utilities or fire protection equipment that is not incompatible. An approved cabinet or container shall be provided to store record plans of the fire sprinkler system and other fire protection equipment. This room shall not be used for any other storage.

Exception: One-and two-family dwellings, manufactured homes or similar uses defined as either a Group R-3, R3.1, or R-4 occupancy.

SECTION 510.4.2.3 "STANDBY POWER" SHALL BE AMENDED AS FOLLOWS:

Section 510.4.2.3 Standby power. In-building, two-way emergency responder communication radio coverage systems shall be provided with dedicated standby batteries or provided with 2-hour standby batteries and connected to the facility generator power system in accordance with Section 1203. The standby power supply shall be capable of operating the in-building, two-way emergency responder communication coverage system at 100-percent system capacity for a duration of not less than 72 hours.

Chapter 9

SECTION 903.2 "WHERE REQUIRED" SHALL BE AMENDED AS FOLLOWS:

Section 903.2 Where Required. Approved automatic sprinkler systems *in new buildings and structures when constructed or relocated within the jurisdiction shall be provided in the locations* described in Sections 903.2.1 through 903.2.12 and Sections 903.2.14 through 903.2.23.

Exception: Agricultural buildings not under a special use permit used for commercial purposes.

SECTION 903.2.1.1 "GROUP A-1" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.1.1 Group A. An automatic sprinkler system shall be provided throughout stories containing Group A-1 occupancies and throughout all stories from the Group A-1 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The fire area exceeds 3,600 square feet.
2. The fire area has an occupant load of 300 or more.
3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.
4. The fire area contains a multi-theater complex

SECTION 903.2.1.2 "GROUP A-2" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.1.2 Group A-2. An automatic sprinkler system shall be provided throughout stories containing Group A-2 occupancies and throughout all stories from the Group A-2

occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The fire area exceeds 3,600 square feet;
2. The fire area has an occupant load of 100 or more.
3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.
4. The structure exceeds 3,600 square feet, contains more than one fire area containing a Group A-2 occupancy, and is separated into two or more buildings by fire walls of less than 4-hour fire-resistance rating without openings.

SECTION 903.2.1.3 "GROUP A-3" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.1.3 Group A-3. An automatic sprinkler system shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The fire area exceeds 3,600 square feet.
2. The fire area has an occupant load of 300 or more.
3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.
4. The structure exceeds 3,600 square feet, contains more than one fire area containing exhibition and display rooms, and is separated into two or more buildings by fire walls of less than 4-hour fire-resistance rating without openings.

SECTION 903.2.1.4 "GROUP A-4" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.1.4 Group A-4. An automatic sprinkler system shall be provided throughout stories containing Group A-4 occupancies and throughout all stories from the Group A-4 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The fire area exceeds 3,600 square feet.
2. The fire area has an occupant load of 300 or more.
3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.

SECTION 903.2.3 "GROUP E" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.3 Group E. An automatic sprinkler system shall be provided for Group E occupancies as follows:

1. Throughout all Group E fire areas greater than 3,600 square feet in area.
2. The Group E fire area is located on a floor other than a level of exit discharge serving such occupancies.

Exception: In buildings where every classroom has not fewer than one exterior exit door at ground level, an automatic sprinkler system is not required in any area below the lowest level of exit discharge serving that area.

3. The Group E fire area has an occupant load of 300 or more.
4. 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.
5. Throughout any Group E structure greater than 3,600 square feet in area, which contains more than one fire area, and which is separated into two or more buildings by fire walls of less than 4-hour fire resistance rating without openings.
6. For public school state funded construction projects see Section 903.2.19.
7. For public school campuses, Kindergarten through 12th grade, see Section 903.2.20

SECTION 903.2.4 "GROUP F-1" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.4 Group F-1. An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1 occupancy where one of the following conditions exists:

1. A Group F-1 fire area exceeds 3,600 square feet.
2. A Group F-1 fire area is located more than three stories above grade plane.
3. The combined area of all Group F-1 fire areas on all floors, including any mezzanines, exceeds 3,600 square feet.

SECTION 903.2.7 "GROUP M" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.7 Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. A Group M fire area exceeds 3,600 square feet.
2. A Group M fire area is located more than three stories above grade plane.
3. The combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 3,600 square feet.
5. The structure exceeds 3,600 square feet, contains more than one fire area containing a Group M occupancy, and is separated into two or more buildings by fire walls of less than 4-hour fire resistance rating without openings.

SECTION 903.2.7.2 "GROUP M UPHOLSTERED FURNITURE OR MATTRESSES" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.7.2 Group M Upholstered Furniture or Mattresses. An automatic sprinkler system shall be provided throughout a Group M fire area where the area used for the display and sale of upholstered furniture or mattresses exceeds 3,600 square feet.

SECTION 903.2.8.5 "MANUFACTURED HOMES" SHALL BE ADDED AS FOLLOWS:

Section 903.2.5.2 Manufactured Homes. An automatic fire sprinkler system shall be required in all new manufactured homes and multi-family manufactured homes intended for use as a one-and two-family dwelling. The design and installation of such systems shall be in accordance with California Code of Regulations, Title 25, §4300.

Exceptions:

1. *Manufactured homes located within an existing mobile home park complying with California Health and Safety Code, Division 13, Part 2.1 or 2.3.*
2. *Manufactured homes that do not exceed 1,200 square feet in size and serve as an accessory dwelling unit, as defined in Government Code Section 658502; when the existing primary residence on the property is not required to comply with California Residential Code Section R313.2.*
3. *Manufactured homes that do not exceed 320 square feet in size.*

SECTION 903.2.9 "GROUP S-1" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.9 Group S-1. An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions exists:

1. A Group S-1 fire area exceeds 3,600 square feet.
2. A Group S-1 fire area is located more than three stories above grade plane.
3. The combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 3,600 square feet.
4. A Group S-1 fire area used for the storage of commercial motor vehicles where the fire area exceeds 3,600 square feet.

SECTION 903.2.10 "GROUP S-2" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.10 Group S-2. An automatic sprinkler system shall be provided throughout buildings classified as parking garages where any of the following conditions exist:

1. Where the fire area of the enclosed parking garage, in accordance with Section 406.6 of the California Building Code, exceeds 3,600 square feet.
2. Where the enclosed parking garage, in accordance with Section 406.6 of the California Building Code, is located beneath other groups.

Exception: Enclosed parking garages located beneath Group R-3 occupancies.

3. Where the fire area of the open parking garage, in accordance with Section 406.5 of the California Building Code, exceeds 3,600 square feet.

SECTION 903.2.10.1 "COMMERCIAL PARKING GARAGES" SHALL BE AMENDED AS FOLLOWS:

Section 903.2.10.1 Commercial Parking Garages. An automatic sprinkler system shall be provided throughout buildings used for storage of commercial motor vehicles where the fire area exceeds 3,600 square feet.

SECTION 903.2.22 "GROUP B" SHALL BE ADDED AS FOLLOWS:

Section 903.2.22 Group B. *An automatic sprinkler system shall be provided throughout all buildings containing Group B occupancies where the fire area exceeds 3,600 square feet.*

SECTION 903.2.23 "GROUP F-2" SHALL BE ADDED AS FOLLOWS:

Section 903.2.23 Group F-2. *An automatic sprinkler system shall be provided throughout all buildings containing Group F-2 occupancies where the fire area exceeds 3,600 square feet.*

SECTION 903.6 "WHERE REQUIRED IN EXISTING BUILDINGS AND STRUCTURES" IS AMENDED 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 as follows:

1. When there is a change in occupancy classification that results in an increased life safety or fire risk, as determined by the fire code official, and the structure exceeds 3,600 square feet, an automatic fire sprinkler system shall be installed throughout the building.
2. *In existing buildings 3,600 square feet or greater, other than one and two-family dwelling units, and agricultural buildings not under special use permit for commercial purposes, where the floor area of the building or structure is increased, such building or structure shall be made to conform to Section 903.2.*

Exception: *When the building increase is less than 500 square feet.*

3. *In existing buildings 3,600 square feet or less, other than one-and two-family dwelling units, and agricultural buildings not under special use permit for commercial purposes, where the floor area of the building or structure is increased to a total square footage over 3,600 square feet, such building or structure shall be made to conform to Section 903.2.*

Exception: *When the building increase is less than 500 square feet.*

SECTION 907.2. "WHERE REQUIRED – NEW BUILDINGS AND STRUCTURES" SHALL BE AMENDED AS FOLLOWS:

Section 907.2. Where Required – New Buildings and Structures. An approved fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.30 and provide occupant notification in accordance with Section 907.5, unless other requirements are provided by another section of this code.

Not fewer than one manual fire alarm box shall be provided in an approved location to initiate a fire alarm signal for fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this code allow elimination of fire alarm boxes due to sprinklers or automatic fire alarm systems, a single fire alarm box shall be installed at a location approved by the enforcing agency.

Exceptions:

1. The manual fire alarm box is not required for fire alarm control units systems dedicated to elevator recall control, supervisory service and fire sprinkler monitoring.
2. The manual fire alarm box is not required for Group R-2 occupancies unless required by the fire code official to provide a means for fire watch personnel to initiate an alarm during a sprinkler system, impairment event. Where provided, the manual fire alarm box shall not be located in an area that is open to the public.
3. The manual fire alarm box is not required to be installed when approved by the fire code official.
4. *A fire alarm system is not required in one and two-family dwellings, agricultural buildings, and other occupancies classified as Group U not under special use permit and/or not used for commercial purposes (e.g. retail sales, food service, and/or special events).*
5. *Buildings with a floor area less than 500 square feet may be exempt, as determined by the fire code official based on building construction material and features, location, occupancy type, and distance to exposures.*

SECTION 907.2.1.4 "GROUP A UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.1.4 Group A Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group A buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.2.3 "GROUP B UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.2.3 Group B Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group B buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.3.11 "GROUP E UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.3.11 Group E Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group E buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.4.1 "GROUP F UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.4.1 Group F Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group F buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.5.2 "GROUP H UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.5.2 Group H Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group H buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.6.6 "GROUP I UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.6.6 Group I Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group I buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.7.2 "GROUP M UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.7.2 Group M Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group M buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.8.4 "GROUP R-1 UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.8.4 Group R-1 Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group R-1 buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.9.4 "GROUP R-2, R-2.1, R-2.2 UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.9.4 Group R-2, R-2.1, R-2.2 Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group R-2, R-2.1, R-2.2 buildings with a floor area less than 3,600 square feet.*

SECTION 907.2.10.1 "GROUP S UNDER 3,600 SQUARE FEET" SHALL BE ADDED AS FOLLOWS:

Section 907.2.10.1 Group S Under 3,600 Square Feet. *An approved fire alarm system shall be installed in all group S buildings with a floor area less than 3,600 square feet.*

907.2.30 "TYPE I HOOD INSTALLATIONS" SHALL BE ADDED AS FOLLOWS:

907.2.30 "Type I Hood Installations. *The requirement of installation, or replacement, of a Type I Hood System shall require a fire alarm/sprinkler monitoring system to be installed, or for the hood system to be connected to an existing fire alarm/sprinkler monitoring system for that building.*

907.6.5 "MONITORING" SHALL BE AMENDED AS FOLLOWS:

907.6.5 Monitoring. *Fire alarm systems required by this chapter or by the California Building Code shall be monitored by an approved, UL certified, Type A Full Service central, proprietary or remote station service, which gives audible and visual signals at a constantly attended location. All sprinklered buildings shall be monitored.*

Exceptions:

1. *One- and two-family dwellings (R-3 Occupancies and other occupancies classified as "U").*

2. *Agricultural buildings not under special use permit and/or not used for commercial purposes (e.g., retail sales, food service, and/or special events).*

SECTION 907.6.2.1 "SECONDARY POWER SUPPLY" SHALL BE ADDED AS FOLLOWS:

SECTION 907.6.2.1 SECONDARY POWER SUPPLY. *Where required by the fire code official, in accordance with NFPA 72, the secondary power supply providing a minimum 24-hour power capacity under quiescent load (system operating in a non-alarm condition) shall be amended to a minimum 72-hour power capacity.*

Exception: *The existence of an emergency back-up power supply that meets or exceeds the requirements of California Fire Code Chapter 12.*

SECTION 907.9 "WHERE REQUIRED IN EXISTING BUILDINGS" SHALL BE AMENDED AS FOLLOWS:

SECTION 907.9 Where Required. *An approved fire alarm system shall be provided in existing buildings and structures where required in Chapter 11 and in existing buildings with a floor area less than 3,600 square feet without an approved automatic sprinkler system, other than one- or two-family dwelling units, agricultural building not under special use permit for commercial purposes where a fire alarm detection system does not exist and the floor area of the building or structure is increased*

Exception: *When the building increase is less than 500 square feet.*

Chapter 12

SECTION 1203.1.3 "INSTALLATION" SHALL BE AMENDED AS FOLLOWS:

Section 1203.1.3 Installation. *Emergency power systems and standby power systems shall be installed in accordance with the California Building Code, the California Electrical Code, NFPA 110 and NFPA 111. All buildings, other than one- and two-family dwelling units, and agricultural buildings not used for commercial purposes, with standby power, shall have a shunt trip device that disconnects all power sources to the building, approved by the fire code official. Existing installations shall be maintained in accordance with the original approval.*

Chapter 33

SECTION 3311.3 "PREMISE IDENTIFICATION" SHALL BE ADDED AS FOLLOWS:

Section 3311.3 Premise Identification. *Prior to and during construction, an approved address sign shall be provided at each fire and emergency vehicle access road entry into the project.*

SECTION 3313.1 "WHEN REQUIRED" SHALL BE AMENDED AS FOLLOWS:

Section 3313.1 When Required. *An approved water supply for fire protection, either temporary or permanent, shall be installed and maintained in continuous operation as soon as combustible building materials arrive on site, the commencement of vertical combustible*

construction and on installation of a standpipe system in buildings under construction, in accordance with Sections 3313.2 through 3313.5.

Exception: The fire code official is authorized to reduce the fire-flow requirements for isolated buildings or a group of buildings in rural areas or small communities where the development of full fire-flow requirements is impractical.

Chapter 50

SECTION 5001.7 "LIABILITY FOR DAMAGES" SHALL BE ADDED AS FOLLOWS:

Section 5001.7 Liability for Damages. *Any damages or cost resulting from the negligence, violation of the law, careless handling, spill or discharge of any hazardous materials shall constitute debt against any such person, firm or corporation causing such spill or discharge. This debt is collectible by the Fire Chief, or his/her duly authorized representative, in the same manner as in the case of an obligation under contract, expressed or implied.*

Chapter 56

SECTION 5601.2 "PERMIT REQUIRED" SHALL BE AMENDED AS FOLLOWS:

Section 5601.2 Permit Required. *Permits shall be required as set forth in Section 105.5 and regulated in accordance with this section. Where fireworks permits are required, they shall be issued by the Fire Chief, or his/her duly authorized representative, and the El Dorado County Board of Supervisors.*

Chapter 57

SECTION 5704.2.9.6.1 "LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED" SHALL BE AMENDED AS FOLLOWS:

SECTION 5704.2.9.6.1 Locations Where Above-Ground Tanks are Prohibited. *Storage of Class I and Class II flammable liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited. Storage of Class I and Class II flammable liquids in above-ground tanks outside of buildings is prohibited unless approved by the fire code official.*

SECTION 5706.2.4.4 "LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED" SHALL BE AMENDED AS FOLLOWS:

SECTION 5706.2.4.4 Locations Where Above-Ground Tanks are Prohibited. *The storage of Class I and Class II liquids in above-ground tanks is prohibited within the limits established by law as the limits of districts in which such storage is prohibited. Storage of Class I and Class II liquids in above-ground tanks is prohibited unless approved by the fire code official.*

Chapter 58

SECTION 5806.2 "LIMITATIONS" SHALL BE AMENDED AS FOLLOWS:

SECTION 5806.2 Limitations. Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited. *Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited unless approved by the fire code official.*

Chapter 61

SECTION 6104.2 "MAXIMUM CAPACITY WITHIN ESTABLISHED LIMITS" SHALL BE AMENDED AS FOLLOWS:

SECTION 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. *The storage of liquefied petroleum gas in excess of an aggregate of 2,000-gallon water capacity when located at least one-half (1/2) mile from property zoned or designated for residential use and at least one-half (1/2) mile from existing residential development with a density greater than one (1) dwelling unit per acre and at least one-half (1/2) mile from any hotel or motel is allowed when approved by the fire code official, and a special/conditional use permit is issued by the County of El Dorado.*

Dispensing within established limits. Within the limits established by law restricting the dispensing 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. The dispensing of liquefied petroleum gas in excess of an aggregate of 2,000-gallon water capacity when located at least one-half (1/2) mile from property zoned or designated for residential use and at least one-half (1/2) mile from any hotel or motel is allowed when approved by the fire code official and a special/conditional use permit is issued by the County of El Dorado.

Chapter 80

SECTION 80, NFPA 1-22, CHAPTER 22 "AUTOMOTIVE WRECKING YARDS" IS ADOPTED, AMENDED SECTIONS AS FOLLOWS:

Revise Section 22.3 as follows:

22.3 Fire department access roads shall be in accordance with the California Fire Code, Section 503 and Appendix D.

Add new Section 22.10 as follows:

22.10 Stored vehicles, boats, recreational vehicles, parts, and equipment shall not be stored within 30 feet of adjacent property lines.

SECTION 80, NFPA, 13D-22 – "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN ONE-AND TWO FAMILY DWELLINGS AND MANUFACTURED HOMES" IS AMENDED AS FOLLOWS: 903.3.1.3, 903.3.5.1.1

NFPA 13D, Amended Sections as follows:

Add new Section 4.6 as follows:

4.6 Residential fire sprinkler systems installed in all new one-and two-family dwellings shall utilize a "Passive Purge" system design unless otherwise approved by the fire code official.

Exception: Manufactured home installed, tested and approved by the California Department of Housing and Community Development.

Revise Section 5.1.1.2 as follows:

5.1.1.2 A supply of at least one of each type and temperature sprinkler used within the premises shall be maintained on the property at an approved location. Spare sprinklers shall be kept in a mounted and accessible cabinet.

Revise Section 7.6 as follows:

7.6 A local audio/visual device activated upon water flow shall be provided on all fire sprinkler systems in homes at an approved location on the exterior of the dwelling.

Revise Section 11.2.1.1 as follows:

11.2.1.1 Where a fire department pumper connection is not provided, the system shall be hydrostatically tested at a minimum pressure of 150 pounds per square inch gauge for no less than a 30-minute duration without evidence of leakage. Such test shall be witnessed by the fire code official.

Appendix B – Fire Flow Requirements for Buildings

TABLE B105.1(1) "REQUIRED FIRE FLOW FOR ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3, AND R-4 BUILDINGS AND TOWNHOUSES" SHALL BE AMENDED AS FOLLOWS:

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

FIRE-FLOW CALCULATION AREA (square feet)	AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE-FLOW (gallons per minute)	FLOW DURATION (hours)
0 – 3,600	No automatic sprinkler system	1,000	1

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
MAJOR SUBDIVISIONS (5 PARCELS OR GREATER)			
0 – 3,600	Section 903.3.1.3 of the CA Fire Code or Section 313.3 of the CA Residential Code	1,000	1
3,601 and greater	Section 903.3.1.3 of the CA Fire Code or Section 313.3 of the CA Residential Code	1/2 value of Table B105.1(2) (min. 1000 GPM)	2
OTHER RESIDENTIAL DEVELOPMENT			
0 – 3,600	Section 903.3.1.3 of the CA Fire Code or Section 313.3 of the CA Residential Code	500	1
3,601 and greater	Section 903.3.1.3 of the CA Fire Code or Section 313.3 of the CA Residential Code	1/2 value of Table B105.1(2) (min. 750 GPM)	1

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

AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE-FLOW (gallons per minute)	FLOW DURATION (hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the CA Fire Code	25% of the value in Table B105.1(2) ^b	Duration in Table B105.1(2) at the reduced flow rate

b. The reduced fire flow shall not be less than 1,500 gpm

Appendix D – Fire Apparatus Access Roads

SECTION D103.1 "ACCESS ROAD WIDTH WITH A HYDRANT" SHALL BE AMENDED AS FOLLOWS:

Section D103.1 Access Road Width with a Hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm), exclusive of shoulders (see Figure D103.1).

Exception: Driveways

SECTION D103.2 "GRADE" SHALL BE AMENDED AS FOLLOWS:

SECTION D103.2 Grade. Fire apparatus access roads and driveways shall not exceed 15.9% in grade unless approved by the fire code official or by the El Dorado County amended California Public Resource Code Title 14 / Design and Improvement Standards Manual.

SECTION D103.3 "TURNING RADIUS" SHALL BE AMENDED AS FOLLOWS:

SECTION D103.3 Turning Radius. The minimum turning radius shall be determined by the fire code official; and shall not include curb and gutter.

SECTION D103.5 "FIRE APPARATUS ACCESS ROAD GATES" SHALL BE AMENDED AS FOLLOWS:

SECTION D103.5 Fire Apparatus Access Road Gates. Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than 20 feet (6096 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 15 feet (3658 mm).
2. Gates shall be of the horizontal swing, horizontal slide, vertical lift or vertical pivot type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official.
6. Methods of locking shall be submitted for approval by the fire code official.
7. Electric gate operators, where provided, shall be listed in accordance with UL 325.
8. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

SECTION D103.6.1 "ROADS 20 TO 29 FEET IN WIDTH" SHALL BE AMENDED AS FOLLOWS:

SECTION D103.6.1 Roads 20 to 29 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on both side of fire apparatus access roads that are 20 to 29 feet wide (6096 to 8534.4 mm).

SECTION D103.6.2 "ROADS MORE THAN 29 FEET IN WIDTH" SHALL BE AMENDED AS FOLLOWS:

SECTION D103.6.2 Roads more than 29 feet in Width. Fire lane signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads more than 29 feet wide (8534.4 mm) and less than 36 feet wide (10972.8 mm).

SECTION D104.4 "CIRCUMFERENTIAL FIRE APPARATUS ACCESS ROADS" SHALL BE ADDED AS FOLLOWS:

SECTION D104.4 Circumferential Fire Apparatus Access Roads. *When required by the fire code official, a fire apparatus access road shall be constructed to encompass the entirety of a structure and shall provide a continuous means of emergency vehicle access.*

SECTION 4: CONFLICT

That Ordinance No. 2019-01 of the DSEDFPD, and all other ordinances or parts of ordinances herewith are hereby repealed.

SECTION 5: SEVERABILITY

If any Ordinance, article, subsection or subdivision thereof, provision, sentence, clause or phrase of this code, or any application thereof, is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect the remaining provisions of this code, which can be given effect without the invalid portions and, therefore, such invalid portions are declared to be severable. The DSEDFPD hereby declares that it would have enacted this Ordinance and each of its articles, sections, subsections, or subdivisions thereof, provisions, sentences, clauses or phrases Irrespective of the fact that one or more of them is declared invalid.

SECTION 6: EFFECTIVE DATE AND PUBLICATION

This Ordinance shall take effect thirty (30) days after its adoption. The DSEDFPD Board Secretary is directed to publish this ordinance in a newspaper of general circulation in the District. In lieu of publication of the full text of the ordinance, a summary of the ordinance may be published by the by the Board Secretary within fifteen (15) days after its passage and a

certified copy shall be posted in the office of the DSEDFPD pursuant to *Government Code Section 36933(c) (1)*.

The above Ordinance was introduced at a meeting of the Board of Directors of the DSEDFPD on October 11, 2022, and it was then read for the first time. A public hearing was set for the Ordinance to be read for the second time on October 31, 2022, and approved by the following vote:

PASSED AND ADOPTED by the Board of Directors of the DSEDFPD this, 31st day of October, 2022.

AYES: 3

NOES: 0

ABSENT: 2

ABSTAIN: 0



Gary Cooper, Director

ATTEST:



Lori Tuthill, Board Secretary

Fire Code #	Significant change?	What is the Change?	Locally adopted / SFM adopted / Amended	Why Is There a Local Change?
101.1	N	Amend with the name of the jurisdiction	Locally adopted and amended	Administrative need
105.5	N	Amend to include addition of Automobile Wrecking Yard operational permit	Locally adopted and amended	Administrative need due to addition of section 105.5.55.
105.5.55	Y	Add section to require operational permit for Automobile Wrecking Yards.	Locally created and adopted	Allows the fire code official to enforce the fire code (specific to fire access, vegetation clearances, hazardous materials, etc.) within automobile wrecking yard operations. This was a demonstrated need experienced within the Diamond Springs Fire Department.
105.6	N	Add section to require construction permit for Automobile Wrecking Yards.	Locally created and adopted	Administrative need due to addition of section 105.6.25 and 105.6.26.
105.6.25	Y	Add section to require construction permit for Automobile Wrecking Yards.	Locally created and adopted	Allows the fire code official to enforce the fire code (specific to fire access, vegetation clearances, hazardous materials, etc.) within newly constructed and/or modified automobile wrecking yard operations.
105.6.26	N	Add section to require construction permit for the installation of traffic calming devices	Locally created and adopted	Allows the fire code official to review and approved traffic calming devices prior to installation. Fire Code currently permits the fire code official to regulate traffic calming devices. However, a permit isn't currently required prior to installation causing undue hardship to
107.5	N	Section Added. Previously section 106.5	Locally adopted and amended	Adopting this section to allow for the creation and issuance of fees to cover actual costs. Section 105.6 defines permits, plan checks, and inspections as allowed in Health & Safety Code 17951
107.5.1	N	Section added. Previously section 106.5.1	Locally created and adopted	Section 107.5.1 Cost Recovery Fees To recover the cost to the Fire District.
107.7	Y	Section added. Previously section 106.7	Locally created and adopted	Section 107.7 To recover the actual costs of avoidable failed inspections by contractors.
111.5	Y	Section added. Previously section 109.4	Locally adopted and amended	Section 111.5 of Chapter 1 of the Fire Code of the District is added to read as follows: 111.5 Appeal Procedures and Timelines: The intent of this provision is to clarify the procedures and timelines for an individual or entity to file an appeal to the Board of Appeals regarding an order, decision, or determination by the Fire Code Official. Based on the County of El Dorado's 'Vegetation Management Ordinance Board of Appeals' timeline.
112.4	N	Previously section 110.4 Completed the section by filling in the blank portions that were not completed by the SFM. It is better left to localities to determine the fees/penalties for their respective areas	Locally adopted and amended	Allows the Fire Code Official to enforce the Fire Code that protects life and property. Fees have been updated to match the fees and penalties as deemed appropriate by the District Attorney's Office. The change to the language to include the term infractions.
112.4.2	N	Section added. Previously section 110.4	Locally created and adopted	112.4.2 Citations is added to read as follows: 112.4.2 Citations The Fire Chief or his/her duly authorized representative(s), may issue citations for infractions or misdemeanor violations of this code pursuant to Section 13871 of the Health and Safety Code of the State of California and Chapter 5c (commencing with section 853.6) of Title 3 of Part 2 of the Penal Code of the State of California.
113.4	N	Previously section 112.4. Completed the section by filling in the blank portions that were not completed by the SFM. It is better left to localities to determine the fees/penalties for their respective areas	Locally adopted and amended	All violations of the code have been consolidated under Section 112.4 to include the penalties for violations.

202	N	Added definitions for clarity	Locally created and adopted	Added definitions for Campfire, Driveway, District, Executive Body, Fire Chief, Fire Hazard, Open Burning, and Trained Crowd Manager. Definition of open burning shall not include residential LPG, natural gas fueled, or wood burning appliances nor ceremonial burning.
302.1	N	Added definition of campfire to Section	Locally created and adopted	Added definition for clarity.
307.4.4	Y	Added a section for open burning restrictions. Language clarified from campfire to open burning to encompass full scope of open burning requirements	Locally created and adopted	Due to the high fire danger that exists in El Dorado County we have written more stringent rules pertaining to open fires within grass, brush, and tree covered areas.
401.2.1	N	Added section to require pre-fire plans for new and/or modified construction.	Locally created and adopted	Provides the creation of a floor plan for the purpose of emergency planning to be utilized by emergency response personnel.
503.2.1	N	Changed vertical clearances to 15 feet and road widths to 20 feet	Locally adopted and amended	Fire apparatus are becoming larger and taller. A vertical clearance of 15 feet provides proper clearance for apparatus to pass under without damaging apparatus components. It also allows an extended time frame before having to recut the growth of the vegetation. Additional height for vegetation clearances acts as an increased buffer for the spread of fire. A road width of 20 feet exclusive of shoulders, as measured face of curb to face of curb is needed. These structures can be difficult to navigate with fire apparatus and should not be counted in the total drivable road surface.
503.2.5	N	Added a specific section for R3's where it allows the Fire Code and Title 14 Fire Safe Regulations to match as they require turnarounds for fire apparatus access roads and driveways	Locally adopted and amended	Fire apparatus require areas for turning around when multiple vehicles are on the scene of an emergency. This includes fire vehicles as well as civilian vehicles. Provides better access for ingress/egress. Additionally, adds turn around for apparatus in driveways greater than 150'
503.2.6	N	Changed the section for Bridges and Elevated Surfaces to state and match El Dorado County Transportation Division in addition to AASHTO HB-17 (minimum CFC required)	Locally adopted and amended	Allows codes and standards for Bridges and Elevated Surfaces of El Dorado County and Appendix D of the current Fire Code, whichever is more restrictive, to be consistent throughout county agencies and is allowed as an alternate means & method that is not less restrictive than the Fire Code
503.3.1	N	Previously section 503.4.2. Added section regarding no parking in fire lanes	Locally created and adopted	This section clearly defines the "No Parking in Fire Lanes" rules and is consistent with the California Vehicle Code
503.3.2	N	Previously section 503.4.3. Added section regarding no parking in front of hydrants	Locally created and adopted	This section clearly defines the "No Parking in front of fire hydrants" rules and is consistent with the California Vehicle Code.
503.3.3	N	Previously section 503.4.4. Added section regarding fire lanes based on road width	Locally created and adopted	This section clearly defines California Fire Code Appendix D as the reference for road lane width and their relation to fire lanes.
503.6	N	Previously section 503.5.3. Created and adopted 503.6 to maintain emergency access and consistency through all roadway gates in El Dorado County, referring to the gate standards adopted by the FPO's	Locally created and adopted	Allows fire districts the authority to approve gates on roadways based on the District's gate standard, providing the best possible emergency access to maintain fast response times.
505.1	N	Added section pertaining to the visual addressing of buildings	Locally adopted and amended	Allows fire districts the authority to approve addressing based on the District's addressing standards
507.5.1	N	Added more conservative standard for the placement of hydrants and their relationship to commercial buildings	Locally adopted and amended	Commercial properties are required to install hydrants at 300 foot intervals, thus they should never be outside of 150 feet from any given hydrant at anytime (half the distance inbetween)

509.3	Y	Added verbiage to bring all of the necessary fire controls for a building to one location	Locally created and adopted	Buildings are getting more sizable in the county. It is more common to have new buildings with solar arrays that continue to generate power even when the buildings general utilities have been shut off. When there is an emergency, it is vital that we have rapid access to all of the controls in one location for public evacuation and firefighter safety. Due to the fire danger present in El Dorado County throughout most of the year, this change is appropriate and advisable.
510.4.2.3	Y	Emergency Responder Radio System Secondary Power Supply Modification	Locally adopted and amended	Amend to 72 hour capacity for back-up power due to weather and PG&E safety related power outages.
903.2	N	Adds a requirement for sprinkler system installation in new buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Administrative need due to addition of section 903.2.22 and 903.2.23.
903.2.1.1	N	Previously section 903.2.1 Adds a requirement for sprinkler system installation in new Group A buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.1.2	N	Previously section 903.2.1 Adds a requirement for sprinkler system installation in new Group A-1 buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.1.3	N	Previously section 903.2.1 Adds a requirement for sprinkler system installation in new Group A-2 buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.1.4	N	Previously section 903.2.1 Adds a requirement for sprinkler system installation in new Group A-3 buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.3	N	Previously section 903.2.3 Adds a requirement for sprinkler system installation in new Group E buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.4	N	Adds a requirement for sprinkler system installation in new Group F buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.7	N	Adds a requirement for sprinkler system installation in new Group M buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.

903.2.7.2	N	Previously section 903.2.7. Adds a requirement for sprinkler system installation in new Group M with Upholstered Furniture or Mattresses buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.8.5	N	Previously section 903.2.8.2. This section was created to include manufactured residential single family R-3 in the residential sprinkler program.	Locally adopted and amended	Manufactured Homes – The intent of this code section is to ensure that manufactured homes that serve as a one or two-family dwellings are consistent with the provisions found in CRC Section 313 pertaining to built dwellings of a similar nature. Manufactured homes placed in the wildland-urban interface have a heightened risk of rapid fire consumption due to the light-weight nature of their construction. The rapid fire spread throughout these structures presents a significant risk to their occupants. Residential sprinkler systems have been incorporated to decrease this risk successfully in many California communities.
903.2.9	N	Previously section 903.2.9. Adds a requirement for sprinkler system installation in new Group S buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.10	N	Previously section 903.2. Adds a requirement for sprinkler system installation in new Group S-2 buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.10.1	N	Previously section 903.2.10. Adds a requirement for sprinkler system installation in new Commercial Parking Garage buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.22	N	Previously section 903.2.7. Adds a requirement for sprinkler system installation in new Group B buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.2.23	N	Previously section 903.2. Adds a requirement for sprinkler system installation in new Group F-2 buildings and structures 3,600 square feet or greater within the district	Locally adopted and amended	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.
903.6	Y	Previously section 903.2a. Adds a requirement to install sprinklers for existing buildings that undergo a change in use of greater hazard or an increase in size greater than 500 square feet and the resulting square feet is greater than 3,600 square feet. Previously applied to addition of more than 30% or 1,000 square feet.	Locally created and adopted	Due to the topographic, climatic, and geographic conditions of El Dorado County and their contributing factors to our increased response times, along with the fact that fires double in size each and every minute, we require sprinklers to be installed in structures once they reach 3,600 square feet in size as they relate to fire behavior and rate of spread.

907.2	N	Adds a requirement for fire alarm system installation in new buildings and structures 3,600 square feet or less within the district	Locally adopted and amended	Administrative need due to addition of section 903.2.30.
907.2.1.4	N	Previously section 907.2a. Added occupant protection for fire alarms in Group A buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke.
907.2.2.3	N	Previously section 907.2a. Added occupant protection for fire alarms in Group B buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
907.2.3.11	N	Previously section 907.2a. Added occupant protection for fire alarms in Group E buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
907.2.4.1	N	Previously section 907.2a. Added occupant protection for fire alarms in Group F buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
907.2.5.2	N	Previously section 907.2a. Added occupant protection for fire alarms in Group H buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
907.2.6.6	N	Previously section 907.2a. Added occupant protection for fire alarms in Group I buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke.
907.2.7.2	N	Previously section 907.2a. Added occupant protection for fire alarms in Group M buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
907.2.8.4	N	Previously section 907.2a. Added occupant protection for fire alarms in Group R-1 buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke

907.2.9.4	N	Previously section 907.2a. Added occupant protection for fire alarms in Group R-2, R-2.1, and R-2.2 buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke.
907.2.10.1	N	Previously section 907.2a. Added occupant protection for fire alarms in Group S buildings with a floor area less than 3,600, except R3, AG buildings not used for commercial purposes, and buildings with a floor area of less than 500 square feet as approved by the fire code official	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke.
907.2.30	N	Previously section 907.2d. Added occupant protection for Type 1 Hood systems to be connected to a monitored fire alarm system when installed or replaced	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
907.6.5	Y	Requires fire alarm systems to be monitored by UL listed Type A central station.	Locally created and adopted	Provides proper response and maintenance "runner service" of fire alarm systems. NFPA 72 specifies required response times for fire alarm trouble and supervisory signals to ensure systems remain operational. A Type A UL listed central station meets the NFPA required fire alarm response ensuring an operational fire alarm system at all times. UL Type A listing requires central stations to provide this "runner service" or contract with another entity to provide this service to obtain the listing.
907.6.2.1	N	Primary Secondary Alarm Power Supply Modification	Locally created and adopted	Amend to 72 hour capacity for back-up power due to weather and PG&E safety related power outages.
907.9	N	Previously section 907.2b. Added occupant protection for existing buildings without automatic sprinkler systems to install a fire alarm if they add more than 30% or 1,000 square feet to the structure, whichever is less	Locally created and adopted	Provides proper emergency notification for occupancies that allow public use and ensures Fire Department notification in the event of a fire or smoke
1203.1.3	N	Shunt trip power safety devices	Locally adopted and amended	This section adds a Shunt Trip power shut off devices to ensure emergency power shut off during the use of back-up power supplies.
3311.3	N	Previously section 3310. Address requirements for construction sites	Locally created and adopted	Addressing for construction sites is important to assist responding emergency crews.
3313.1	N	Previously section 3312.1. Water supplies at construction sites with combustible materials on-site	Locally adopted and amended	Water must be on site prior to combustible material being stored or vertical construction commencing.
5001.7	Y	Any damages or costs from negligent or unlawful practices that cause a hazardous materials incident will cause a cost recovery fee	Locally created and adopted	Hazardous materials related incidents are costly to mitigate. If the incident is caused by negligence due to a business process or practice the actual cost will be passed on to the negligent parties.
5601.2	N	Added safety protection with permits being issued by both the Fire Chief and Sheriff's Department for explosives, and by the Fire Chief and the Board of Supervisors for fireworks	Locally adopted and amended	Allows agencies that need to know about explosives and fireworks to approve them and have a clear understanding of the applications of how they will be used.
5704.2.9.6.1	N	Established limits as set forth in the Fire Code	Locally adopted and amended	Established limits as required by the Fire Code for Class I flammable and Class II combustible liquid storage in above-ground tanks. Requires AHJ approval and a Special/Conditional Use Permit from the County
5706.2.4.4	N	Established limits as set forth in the Fire Code	Locally adopted and amended	Established limits as required by the Fire Code for Class I flammable and Class II combustible liquid special operations in above-ground tanks. Requires AHJ approval and a Special/Conditional Use Permit from the County

5806.2	N	Administrative addition of District name. Established limits as set forth in the Fire Code	Locally adopted and amended	Administrative need to add District name. Established limits as required by the Fire Code Official for Flammable Cryogenic fluids in stationary containers. Requires AHJ approval and a Special/Conditional Use Permit from the County
6104.2	N	Established limits for LPG storage and dispensing near or adjacent to residential development	Locally adopted and amended	Establishes distances between LPG storage and dispensaries that are directly related to safety for residential developments and high-density hotels, motels, apartments, etc. where a release by leak or explosion of LP-Gas would have a high probability of injury, inhalation, or death. Requires AHJ approval and a Special/Conditional Use Permit from the County
Chapter 80, NFPA, 1-22	N	Provides fire access and clearance to property lines for Automobile Wrecking Yards.	Locally created and adopted	Dismantled and stored vehicles present significant fire loads (batteries, flammable and combustible liquids, upholstery, etc.) and risk to vegetation and adjacent properties. This requirement provides fire access and clearance to vegetation in automobile wrecking yard operations to aid in firefighting operations and reduction of fire extension to adjacent properties and/or open lands.
Chapter 80, NFPA, 13D-16	Y	NFPA 13D-16 of Chapter 80 of the Fire Code of the District has been amended to update various provisions pertaining to the installation of sprinkler systems in one and two-family dwellings	Locally adopted and amended	Amended to include on-site sprinkler heads and wrench on-site for emergent repairs, the inclusion of a local water flow alarm to create an audible alert for the flow of water in the event of water activation in a vacant structure, and hydrostatic testing requirements to assure proper 13D sprinkler system installation decreasing the risk of water damage from pipe failure. Passive purge requirements were also added to ensure water circulation through the system, reducing stagnant water and backflow concerns (EID encourages this type of system).
Appendix B: Table B105.1(1)	N	Changed 500 GPM to 1,000 GPM in major subdivisions below 5000 foot elevation, to match fire flow precedents used in EDC for years	Locally adopted and amended	Allows us to match what developers and residents are used to in regards to GPM fire flow requirements that have been used for over a decade in EDC. Also provides a minimum level of available water for firefighting purposes in the event of house to house, hose to vegetation, and/or vegetation to house ignition.
Appendix B: Table B105.2	N	Established a minimum requirement of 1,500 GPM, below 5000 foot elevation, for all commercial projects	Locally adopted and amended	Allows us to match what developers and residents are used to in regards to GPM fire flow requirements that have been used for over a decade in EDC.
Appendix D: D103.1	N	Added an exception for residential driveways	Locally adopted and amended	It is unreasonable to require a residential driveway to construct a 26 foot wide space for access to a hydrant.
Appendix D: D103.2	N	Amended to meet State law of grades no greater than 16% within Wildland Urban Interface.	Locally adopted and amended	Title 14 requires us to only accept up to 16% driveways, any exceptions would require approval by the AHJ. In our El Dorado County Title 14 adoption we allow greater than 16% grade with AHJ approval and hard surface.
Appendix D: D103.3	N	Added text to include curbs and gutters	Locally adopted and amended	20 foot road widths shall not include curbs and gutters due to potential access issues and turning radius concerns.
Appendix D: D103.5	N	Requires minimum 15-ft wide gates where installed on fire apparatus access roads	Locally adopted and amended	Where fire apparatus access roads consist of a divided roadway the gate width shall not be less than 15 feet due to apparatus turning radius
Appendix D: D103.6.1	N	Road widths 20 to 29 feet	Locally adopted and amended	No parking on roads allowed on roadways less than 28 Feet in width above 5000 feet. Lower than 5000 feet this does not apply. This section is adopted as it stands in the Fire Code Appendix D section 103.6.1 for all other elevations.

Appendix D- D103.6.2	N	Roads widths more than 29 feet but less than 36 feet in width	Locally adopted and amended	Parking on one side only on roads from 26 feet to 36 feet allowed. This is not required less than 5000 feet of elevation. Lower than 5000 feet this does not apply. The section is adopted as it stands in the Fire Code Appendix D Section 103.6.2 for all other elevations.
Appendix D- D104.4	N	Added to require circumferential fire apparatus access roads	Locally created and adopted	When required by the fire code official, a fire apparatus access road shall be constructed to encompass the entire structure and shall provide a continuous means of emergency vehicle access.
Adopted with no Amendments				
101.1 through 101.5	N	Adopted to establish scope, intent, severability and validity	Locally adopted	Administrative clarity
102.1 through 102.12	N	References, subjects not regulated by the Code	Locally adopted	Administrative clarity
104.1 through 104.12.3	N	Ability to enforce the code	Locally adopted	Administrative clarity
105.1 through 105.6.24	N	Time limitation of application	Locally adopted	Administrative clarity
106.1 through 106.4	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Fee schedules for permits
107.1 through 107.6	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Inspection authority
108.1 through 108.6	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Maintenance of safeguards, testing and operation of equipment, re-inspection and testing, recordkeeping, supervision, rendering equipment inoperable, overcrowding,
113	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Stop work order
114.1 through 114.7	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Unsafe structures or equipment
301.1 through 308.5	N	Adopted this section for fire and life safety	Locally adopted	Asphalt kettles contain highly flammable substances and require stringent safeguards. Managing ignition sources through responsible application of standards will reduce the number of fires in various settings (Climatic, geological, and topographical).
310.1 through 311.4	N	Adopted this section for fire and life safety	Locally adopted	General requirements relating to smoking. Vacant premises condition and safety requirements, abandoned premises, tenant spaces, safeguarding vacant premises, security, fire protection, fire separation, removal of combustibles, removal of hazardous materials (Climatic, geological, and topographical).
323.1	N	Adopted this section for fire and life safety	Locally adopted	General requirements for roads, tunnels, and bridges. (Climatic, geological, and topographical).
403.6 through 403.7.6	N	Adopted this section for fire and life safety	Locally adopted	Provides evacuation drills for hazardous and institutional occupancies (occupancies with increased potential for life loss).
403.9 through 403.9.4	N	Adopted this section for fire and life safety	Locally adopted	Provides evacuation drills for hotel/motel occupancies (occupancies with increased potential for life loss).
405.1 through 405.10	N	Adopted this section for fire and life safety	Locally adopted	Emergency planning and record keeping (Climatic, geological, and topographical).
510.3	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	A permit is required for emergency responder radio systems (Climatic, geological, and topographical).
806.1 through 806.4	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Decorative vegetation poses an increase in hazard, flammability and increased risk.
807.1 through 807.5.6	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Wall coverings in group E occupancies (Schools) sets a maximum amount of flammable wall coverings in educational facilities (Climatic, geological, and topographical).

808.1 through 808.5	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Combustible furnishing pose a significant flammability and increased life safety hazard in institutional and college dorm type occupancies.
904.4.1	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Provides clarity on acceptance testing of automatic fire extinguishing systems. (Climatic, geological, and topographical).
1101.1 through 1102.1	N	Adopted this section for administrative clarity and fire and life safety inspections	Locally adopted	Administrative clarity
1103.2	Y	Adopted this section in existing buildings for the safety of firefighters and other emergency responders	Locally adopted	Emergency Responder radio coverage in existing buildings. All buildings will be required to allow emergency responders to receive and transmit emergency radio traffic to and from each other and the emergency dispatch center. Time frames can be developed to come into compliance and the phasing in of a system over a period of time, determined by the fire code official, is acceptable. The rationale behind this section is that on almost all emergency responder injury or fatality incidents communication is a key issue. This situation can be corrected with the addition of radio equipment to boost the signal in areas that do not have strong signal (Climatic, geological, and topographical).
1103.5	Y	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Requires installation of fire sprinkler systems in existing occupancies with high life safety risk and in conformance with previous Uniform Fire Codes. (Climatic, geological, and topographical).
1103.9	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Requires installation of carbon monoxide alarms in occupancies with high life safety risk. (Climatic, geological, and topographical).
1104.1 through 1104.25	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Provides a minimum level of safety with regard to egress from existing buildings housing occupancies with a high life safety risk. (Climatic, geological, and topographical).
1106.1 through 1106.1.2	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Provides a minimum level of safety at fire storage yards with high levels of flammable rubber material (Climatic, geological, and topographical).
Appendix D: D104.1 through D104.1	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	General requirements for fire apparatus access roads including loads (Climatic, geological, and topographical)
Appendix D: D104.2 (excluding exception)	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Commercial and industrial development fire apparatus access roads (Climatic, geological, and topographical).
Appendix D: D104.3 through D105.4	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Commercial and industrial development fire apparatus access roads (Climatic, geological, and topographical)
Appendix D: D106.1 (excluding exception)	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Fire apparatus access roads for multiple-family residential developments (Climatic, geological, and topographical).
Appendix D: D106.2 through D106.3	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	Fire apparatus access roads for multiple-family residential developments (Climatic, geological, and topographical).
Appendix D: D107.1 (excluding exceptions)	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	One- or two-dwelling residential developments shall be equipped throughout with two separate and approved fire apparatus access roads due to topographic, geographic and climatic conditions.
Appendix D: D107.2 through D108.1	N	Adopted this section for the safety of the public, firefighters, and other emergency responders	Locally adopted	One- or two-dwelling residential developments shall be equipped throughout with two separate and approved fire apparatus access roads due to topographic, geographic and climatic conditions.

Grey cells are previously amended, adopted, or changed code sections that are being adopted again in this code cycle.

White cells are newly amended, adopted, or changed code sections that differ from previous code adoptions.

Attachment No. 2

Diamond Springs-El Dorado Fire Protection District

Public Hearing Notices

Mountain Democrat

PROOF OF PUBLICATION
(2015.5 C.C.P.)

Proof of Publication of NOTICE OF INTENT

STATE OF CALIFORNIA
County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 2889 Ray Lawyer Drive, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

9/19, 10/5

ALL IN THE YEAR 2022

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Placerville, California, this 5th day
of **OCTOBER, 2022**

Dillon Rain

Signature

PUBLIC NOTICE

Notice of Intent to Adopt the
2022 California Fire Code
Notice is hereby given to the
Institution of the Diamond Springs-El
Dorado Fire Protection District to
adopt the 2022 California Fire Code.
The district shall hold its first public
hearing at 3:00 P.M. on October 11,
2022 at 501 Pleasant Valley Road,
Diamond Springs, CA, regarding the
adoption of the 2022 California Fire
Code pursuant to Health and Safety
Code Section 13809. Copies of the
code section referred to and any
secondary code sections referred to,
adopted by reference, are on file with
the Secretary of the District and are
open to public inspection. Adoption
of the 2022 California Fire Code will
enable all District personnel to follow
one set of rules and regulations with
regard to the health and safety of the
public and the District's response
thereto.
9/19, 10/5 10876

Mountain Democrat

PROOF OF PUBLICATION
(2015.5 C.C.P.)

Proof of Publication of NOTICE OF INTENT

STATE OF CALIFORNIA
County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 2889 Ray Lawyer Drive, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

10/21, 10/28

ALL IN THE YEAR 2022

I certify (or declare) under penalty of perjury that the foregoing is true and correct

Dated at Placerville, California, this 28th day
of **OCTOBER**, 2022

Miscy Rakus

Signature

NOTICE OF INTENT TO ADOPT THE 2022 CALIFORNIA FIRE CODE

Notice is hereby given to the intention of the Diamond Springs-El Dorado Fire Protection District to adopt the 2022 California Fire Code. The district shall hold its second public hearing at 10:00 A.M. on Monday, October 31, 2022 at 501 Pleasant Valley Road, Diamond Springs, CA, regarding the adoption of the 2022 California Fire Code pursuant to Health and Safety Code Section 13969. Copies of the code sections referred to and any secondary code sections referred to, adopted by reference, are on file with the Secretary of the District and are open to public inspection. Adoption of the 2022 California Fire Code will enable all District personnel to follow one set of rules and regulations with regard to the health and safety of the public and the district's response thereto.

10/21, 10/28

11014

Attachment No. 3

Diamond Springs-El Dorado Fire Protection District

Resolution No. 2022-09

RESOLUTION No. 2022-09

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE DIAMOND SPRINGS-EL DORADO FIRE PROTECTION DISTRICT ADOPTING FINDINGS SUPPORTING AMENDMENTS TO THE CALIFORNIA FIRE CODE

A resolution for the Diamond Springs-El Dorado Fire Protection District setting forth findings with respect to local conditions within the Fire District which make certain modifications and changes to the California Fire Code reasonably necessary for preserving fire and life safety in the Diamond Springs-El Dorado Fire Protection District.

The Governing Board of the Diamond Springs-El Dorado Fire Protection District finds and resolves as follows:

WHEREAS, Health & Safety Code Section 17958.5 permits a Fire Protection District to adopt an ordinance which changes or modifies the State Housing regulations adopted pursuant to Health & Safety Code Section 17922 upon determination that such changes or modifications are necessary due to local conditions that pertain regulations governing conditions hazardous to life, property and the environment from fire, explosion, hazardous materials and hazardous uses; and

WHEREAS, Health & Safety Code Section 17958.7 requires that a District's Board of Directors making any changes or modifications pursuant to Health & Safety Code Section 17958.5 shall make express finding that such changes or modifications are needed; and shall file a copy of such changes or modifications with the Department of Housing and Community Development.

WHEREAS, the unique local climatic, geological, and topographical conditions existing within the boundaries of the District make it reasonably necessary for the District to impose more stringent requirements than set forth in the California Fire Code and pursuant to California Health and Safety Code sections 13869.7 and 17958.7, the District desires to make express findings to that effect.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Diamond Springs-El Dorado Fire Protection District, after having duly noticed and held public hearings, hereby adopts the following findings concerning current unique local conditions that together make each modification to the California Fire Code, reasonably necessary to provide adequate and effective protection of life, property and the environment more specifically set forth as follows:

**FINDINGS OF FACT
FOR CHANGES OR MODIFICATIONS TO THE STATE BUILDING STANDARDS
CODE (TITLE 24 PART 9) BECAUSE OF LOCAL CONDITIONS**

A. General.

After due consideration, the Board of Directors of the Diamond Springs-El Dorado Fire Protection District, hereby finds that due to local climatic, geologic and topographic conditions, as stated within this document, there is a need to provide the modifications and changes contained in the adoptive Ordinance of the California Fire Code. Such changes are deemed to be reasonably necessary to provide adequate and effective protection of life, property, and the environment.

The Diamond Springs-El Dorado Fire Protection District provides fire protection, emergency medical services, and specialized rescue services to approximately fifteen thousand five hundred people in a 65.5 square mile area. The District is located on the western slope of El Dorado County. The topography of the District ranges from rolling hills of grass and oak woodland in the west and oak-timber in the steep drainages of the east portion. The weather conditions vary from freezing temperatures with occasional snow in winter, to summer temperatures that regularly exceed 100 degrees.

The District can be divided into three distinct areas: The core area encompasses Diamond Springs, El Dorado, and the Missouri Flat Road corridor. The core area is more urban and contains most of the District's existing commercial development and potential for major commercial development. The north and south areas typically contain small subdivisions and isolated residential developments. These areas are characteristic of the suburban or ranch environment. The north and south areas become very isolated and more rural as one moves further away from the core of the District.

The Diamond Springs-El Dorado Fire Protection District is an "all-risk" agency. The District participates in a sophisticated automatic aid program and is dispatched through agreement by the California Department of Forestry and Fire Protection (Cal-Fire), at Camino. The resources of the District will respond to, and deal with, any type of emergency. The term "Fire Protection" in this document is broad and includes responses to fires, smoke and odor investigations, alarms, public assist calls, hazardous materials incidents, medical aid, and specialized rescues.

The District has established one, full-time, staffed fire station and four satellite fire stations to provide emergency services to the community. Fire Station 49 is located in the unincorporated town of Diamond Springs, at 501 Pleasant Valley Rd. Fire Station 46 is located in the unincorporated town of El Dorado, at 6170 Pleasant Valley Road. Fire Station 48 is located at 3840 Missouri Flat Road, Placerville, just north of Highway 50. Fire Station 44 is located in the Logtown area at 6109 Quartz Drive, El Dorado. Fire Station 47 is located in the Sleepy Hollow Subdivision, at 2312 Oakvale Drive, Shingle Springs. The District has 11 full-time, career personnel, along with two administrative positions, and two administrative support positions.

B. Climatic.

The Diamond Springs-El Dorado Fire Protection District is located within a foothill region. The District is subject to four seasons, with an annual average snowfall in the winter months of 2 inches, in addition to an average rainfall of 45 inches per year. These adverse weather conditions create severe hazardous

road conditions and flooding as well as rock slide hazards along the main access roads within, as well as into, the District from the surrounding areas. Due to periods of rainfall, along with repeated road closures, the ability of the Fire Protection District to provide immediate emergency response is often delayed. These same adverse climatic conditions often result in a large number of vehicular accidents that place extreme restraints on the availability of emergency response to perform emergency rescue, first aid, hazardous materials control, and fire-fighting. The climatic conditions often result in a substantial or total lack of ability of the Fire Protection District to respond immediately to other types of emergency situations that occur. Examples of these emergency situations include structure fires, wildland and forest fires, flooding, hazardous materials incidents, emergency medical calls, vehicle accidents, and vertical rescues. The mutual aid agreements established with adjoining fire agencies might not be possible due to adverse climatic conditions, restricting or totally blocking access into the District.

Summary:

These local climatic conditions affect the acceleration, intensity, and size of fires in the Fire District. Times of little or no rainfall, low humidity, and high temperatures create extremely hazardous conditions, particularly as they relate to the wildland-urban interface. Winds experienced in this area can have a significant impact upon structure fires, especially in buildings in close proximity to one another, and to wildlands commonly found in the Diamond Springs-El Dorado Fire Protection District. Structures built within the Diamond Springs-El Dorado Fire Protection District must be built with these variables in mind.

- C. **Geological.** The Diamond Springs-El Dorado Fire Protection District is located within moderate activity seismic Zone Three. The seismic, geological conditions present a potential for multiple fires, major breakage of water mains, multiple electrical power failures, multiple collapsed structures and a large number of calls for emergency medical aid, all of which may occur simultaneously during a seismic event. The water district has numerous water-pumping systems used for fire suppression water delivery, as well as water storage tanks providing water system pressure. Most of the pumping systems are dependent on electrical power for operation. Such electrical power may not be available during a seismic event. Water storage tanks used for the storage of required fire suppression water may also collapse in such an event forcing the additional need to transport water via additional pieces of fire apparatus which will place a significant restraint on the ability of the District to provide the required emergency services.

Summary:

Local geographic and geological features and processes exist within the boundaries of the district that may hamper the ability of the Diamond Springs-El Dorado Fire Protection District to perform its sworn duties. Fire following an earthquake has the potential of causing greater loss of life and damage than the earthquake itself.

- D. **Topographical.** The District is primarily composed of areas that are considered by the State to be high fire hazard severity zones. Much of the District is located within foothill terrain, covered with highly combustible vegetation, including the presence of many coniferous forested areas. The elevation within the District ranges from at 1,000 feet to over 2,100 feet at the highest point. Slope within the District

ranges from 0 degrees to 90 degrees. The structures within the areas of foothills terrain have very limited fire access, due to narrow roadways with steep grades and poor road surface conditions. The presence of many existing structures within the high fire hazard severity zone areas provides for a very high potential of a structure fire spreading into a wildland or forest fire condition as well as the potential for a wildland or forest fire spreading to structures.

Summary:

The alignment of canyons, valleys, and slopes into inhabited areas, combined with the variable nature of the terrain, yield potential for increased fire risk. Most structures, both residential and commercial, are in or are surrounded by areas that contain significant grass, brush, mixed oak woodland, and mixed conifer fuel load. Due to drought conditions, beetle infestations, and lack of vegetation management, much of the area is populated with either dead or dying trees, contributing to extreme fire danger.

E. Conclusion:

Local climatic, geographic, and topographic conditions described above increase the frequency, intensity, and size of fires involving buildings in the Fire District. Further, these conditions impact potential damage to structures from an earthquake and subsequent fire. Therefore, it is reasonably necessary that the California Fire Code be modified to mitigate the effects of the above conditions. California Health & Safety Code Section 17958.7 requires that modifications to the Fire Code be expressly marked and identified as to which each finding refers to which Code modification. The attached Appendix A provides this connection.

INTRODUCED at a regular meeting of the Board of Directors of the Diamond Springs/El Dorado Fire Protection District on October 11th, 2022.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Diamond Springs-El Dorado Fire Protection District on October 11th, 2022 by the following roll call vote:

AYES: 4

NOES: 0

ABSENT: 1

ABSTAIN: 0

ATTEST:


Lori Tuthill, Board Secretary

BY:


~~Peter Moffett, President~~
Gary Cooper,

SECTION 1: FINDINGS OF FACTS

In connection with the amendments enacted by Section 2 and 3 relating to the California Fire Code and its appendix, 2022 edition, the Diamond Springs / El Dorado Fire Protection District (DSEDFPD) makes the following findings pursuant to Health and Safety Code Section 17958.5, 17958.7 and 18941.5. The changes are reasonably necessary because of local climatic, topographical, or geological conditions.

DSEDFPD hereby adopts pursuant to Section 18941.5 of the California Health and Safety Code, the following findings of fact:

(a) Under this adopting ordinance, specific amendments have been established which are of a more restrictive nature than those adopted by the State of California (State Buildings Standards Code, State Housing & Community Development Codes) commonly referred to as Title 24 & Title 25 of the California Code of Regulations. These amendments to the California Fire Code 2022 edition, have been recognized by the ECFPD to address the fire problems, concerns, and future direction by which ECFPD can establish and maintain an environment which will afford a level of fire and life safety to all who live and work within its boundary.

(b) The International Code Council has assumed responsibility for the International Fire Code and International Fire Code Standards. The International Code Council provided a means for participation by all code enforcement officials from throughout the country as well as industry representatives, consultants, and other private parties with an interest in the International Fire Code.

(c) The International Fire Code, being the 2021 edition thereof, published by the International Code Council is a nationally recognized compilation of proposed rules, regulations, and standards of said Association.

(d) Said International Fire Code has been printed and published as a Code in book form within the meaning of Section 50022.1 of the Government Code of the State of California.

(e) Under the provisions of Section 18941.5 of the Health and Safety Code, local amendments are based on climatic, topographical, and geological conditions. The findings of fact contained herein address each of these situations and present the local situation, which either singularly or in combination, caused the amendments to be adopted.

2022 CFC FINDINGS

LOCAL CONDITIONS

A. These amendments are justified based on a local climatic condition. DSEDFPD is subject to precipitation, relative humidity, temperature extremes, and high velocity winds.

1. Precipitation & relative humidity

a. Conditions

Precipitation. Average annual precipitation ranges from approximately 45 inches per year in rain and 2 inches of snow annually. Approximately 88% of the average rainfall occurs during the months of November through April and 12% from May through October. This area has experienced major droughts in the last two decades: 1986 -1991, 1998 – 2003, 2007 - 2009, 2011 - 2015, and 2019. It is possible that more droughts will occur in the future based on the weather cycle pattern.

Relative Humidity. During the summer months (May through September), the daily humidity ranges around 20% and occasionally drops to the low teens.

2. Temperature

a. Conditions

Temperatures. During the summer months (May through September), the daily temperatures commonly exceed 90 degrees Fahrenheit, with temperatures having been recorded as high as 115 degrees Fahrenheit.

3. Winds

a. Conditions

Winds. The summer prevailing winds are out of the south and southwest. However, north winds occur during the spring (April and May), the fall (September and October), and occasionally during the summer months (June, July, and August). Velocities are in the range of five to fifteen miles per hour, gusting to 30 miles per hour during the summer months.

SUMMARY

These local climatic conditions affect the acceleration, intensity, and size of fire in the community. Times of little or no rainfall and elevated temperatures create extremely hazardous conditions, particularly as they relate to residential roof fires and wildfire conflagrations. The climatic conditions are one of the greatest impacts to fire behavior and other major emergency events due to their uncontrollable nature.

2022 CFC FINDINGS

B. These amendments are justified on the basis of a local geologic and topographic conditions. DSEDFPD is subject to varied terrain, slopes, increased vegetation, varied surface features, hazardous building operations, and terrain risk factors.

1. Geological location

a. Conditions

Geological Location. Diamond Springs El Dorado Fire Protection District is located in the foothills of the Sierras at an altitude range of approximately 1000 feet to 2100 feet above sea level.

2. Size and population

a. Conditions

Size and Population. The DSEDFPD encompasses approximately 15,530 residents in 65.5 square miles.

3. Seismic Location

a. Conditions

Seismic Location. The nearest identified fault zone is the Bear Mountain Fault, northwest of Diamond Springs. This fault zone splits into multiple branches which transect the area between Folsom and Shingle Springs. The closest branch passes through the western edge of Browns Ravine. The next nearest extension of this fault system is located immediately at the north end of El Dorado County and extends from the southeast arm of Folsom Lake, north to the City of Auburn. No recent geologic activity has been observed along this fault. However, studies of the east branch of the fault zone, conducted by Woodward-Clyde Associates for the Auburn Dam, and by Tierra Engineering Consultants near Folsom Lake, indicate that the fault may be reactivating based on recent tectonic trends and should be considered potentially active.

4. Topography

a. Conditions

Topography. The topography of the DSEDFPD varies from level 0% slope to terrain with over a 90% slope. The valley floor is relatively flat with gentle slopes and consists of grassland and trees. The east and west sides of the valley floor increase to approximately 40% slopes and consist of trees, brush, and grass-covered range land. The slope in all cardinal directions within DSEDFPD is significant. Hilly terrain throughout the area provides gullies or areas referred to as "chimneys" which accelerate the spread of fire in addition to dense, mature forest land.

2022 CFC FINDINGS

5. Roads and streets

a. Conditions

Roads and Streets. DSEDFPD has seen a moderate degree of urban and commercial development within the last 15 years. With this development comes the increase of vehicular traffic and congestion which can have a direct effect on the response time of emergency apparatus. Many pre-existing roadways and streets do not conform to current standards and are narrow and winding in design, thus creating an increase in response time by DSEDFPD apparatus.

6. Building Clearances

a. Conditions

Building Clearances. As residential development continues to occur in the DSEDFPD, the clearance between homes has decreased which increases the ability of fire to spread from one home to another by both radiation and convection heat. Combined with the wild land urban interface (WUI) and lack of resources for defensible space, risk to life, property and environment is inherently increased.

SUMMARY

The above geological and topographical conditions increase the magnitude, exposure, accessibility problems and fire hazards that DSEDFPD is responsible to mitigate. Fire following an earthquake has the potential of causing greater loss of life and damage to property than the earthquake itself.

Other variables may tend to increase the situation:

1. The damage that may occur to the water system.
2. The extent of isolation due to roadway damage, overpass collapse and debris blocking the roadway.

2022 CFC FINDINGS

2022 CFC Code Section	Title	Adopted	Amended	Added	Deleted	Finding
101.1	General		X			Administrative
102.6 - 102.12	Applicability	X				Administrative
104.1	Duties and Powers	X				Administrative
104.3 - 104.4	Duties and Powers	X				Administrative
104.6	Official Records	X				Administrative
104.8 - 104.8.2	Approved Materials	X				Administrative
104.9	Modifications	X				Administrative
104.11 - 104.12.3	Fire Investigation	X				Administrative
105.2.3	Time of Application	X				Administrative
105.3.2	Extensions	X				Administrative
105.5	Operational Permits					Administrative
105.5.55	Automobile Wrecking Yards			X		Administrative
105.6	Construction Permits		X			Administrative
105.6.25	Automobile Wrecking Yards			X		Administrative
105.6.9	Fuel Cell	X				Administrative
105.6.12	Hazardous Materials	X				Administrative
105.17	Plant Extraction	X				Administrative
105.18	Private Fire Hydrants	X				Administrative
105.19	Smoke Control	X				Administrative
105.8.21	Special Event Structure	X				Administrative
105.6.22	Spraying or Dipping	X				Administrative
105.6.23	Standpipe Systems	X				Administrative
105.6.24	Tents	X				Administrative
106.1 - 106.4	Construction Documents	X				Administrative
107.1	Fees	X				Administrative
107.5	Related Fees			X		Administrative
107.5.1	Cost Recovery			X		Administrative
107.6	Refunds	X				Administrative
107.7	Administrative Costs			X		Administrative
Section 108	Inspections	X				Administrative
Section 109	Maintenance	X				Administrative
111.5	Appeals			X		Administrative
112.4	Violation Penalties		X			Administrative
112.4.1	Abatement of Violations	X				Administrative
112.4.2	Citations			X		Administrative
Section 113	Stop Work Order					Administrative
113.4	Failure to Comply		X			Administrative

2022 CFC FINDINGS

2022 CFC Code Section	Title	Adopted	Amended	Added	Deleted	Finding
Section 114	Unsafe Structures	X				Administrative
202	Definitions		X			Administrative
Section 302	Definitions					Administrative
Section 303	Asphalt Kettles					A1, A2, A3, B1, B2, B3, B4, B5, B6
302.1	Definitions		X			Administrative
Section 304	Combustible Waste	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 305	Ignition Sources	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 306	Motion Picture	X				B1, B2, B3, B4, B5, B6
Section 307	Open Burning	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
307.4.4	Open Burning			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 308	Open Flames	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 309	Powered Industrial Trucks	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 310	Smoking	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 311	Vacant Premises	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 320	3D Printing	X				B1, B2, B3, B4, B5, B6
Section 321	Artificial Vegetation	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
403.2 – 403.2.4	Group A	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
403.6 – 403.6.1.4	Group F	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
403.9 – 403.9.3.4	Group R	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
503.2.1	Dimensions		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
503.2.5	Dead Ends		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
503.2.6	Bridges		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
503.3.1	No Parking – Fire Lanes			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
503.3.2	No Parking – Fire Hydrants			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
503.3.3	Fire Lane Width			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
503.6	Security Gates		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
505.1	Address		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
507.5.1	Where Required – Fire Hydrants		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
509.3	Fire Control Rooms			X		B1, B2, B3, B4, B5, B6
807.5.2	Group E	X				B1, B2, B3, B4, B5, B6
903.2	Where Required – Fire Sprinklers		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.1.1	Group A		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.1.2	Group A-2		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.1.3	Group A-3		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.1.4	Group A-4		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.3	Group E		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.4	Group F-1		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.7	Group M		X			A1, A2, A3, B1, B2, B3, B4, B5, B6

2022 CFC FINDINGS

2022 CFC Code Section	Title	Adopted	Amended	Added	Deleted	Finding
903.2.7.2	Group M - Mattresses		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.8.5	Manufactured Homes			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.9	Group S-1		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.10	Group S-2		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.10.1	Parking Garages		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.22	Group B			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
903.2.23	Group F-2			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
903.6	Where Required - Fire Sprinklers		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2	Where Required - Fire Alarm Systems		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.1.4	Group A			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.2.3	Group B			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.3.11	Group E			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.4.1	Group F-1			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.5.2	Group H			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.6.6	Group I			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.7.2	Group M			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.8.4	Group R-1			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.9.4	Group R-2, R-2.1, R-2.2			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.10.1	Group S			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.2.30	Type I Hoods			X		B1, B2, B3, B4, B5, B6
907.6.5	Monitoring		X			B1, B2, B3, B4, B5, B6
907.6.2.1	Secondary Power Supply			X		A1, A2, A3, B1, B2, B3, B4, B5, B6
907.9	Where Required - Fire Alarm		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 1101	General	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 1102	Definitions	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
1103.2	Responder Communication	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
1103.5 - 1103.5.5	Sprinkler Systems	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
1103.7 - 1103.7.9.10	Fire Alarm Systems	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
1103.8 - 1103.8.5.3	Smoke Alarms	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
1103.9 - 1103.9.1	Carbon Monoxide Alarms	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
Section 1104	Egress	X				B1, B2, B3, B4, B5, B6
Section 1106	Outdoor Operations	X				A1, A2, A3, B1, B2, B3, B4, B5, B6
1203.1.3	Installation		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
3311.3	Address		X			A1, A2, A3, B1, B2, B3, B4, B5, B6
3313.1	When Required - Water Supply		X			A1, A2, A3, B1, B2, B3, B4, B5, B6

2022 CFC FINDINGS

2022 CFC Code Section	Title	Adopted	Amended	Added	Deleted	Finding
5001.7	Liability for Damages			X		Administrative
5601.2	Permit Required		X			Administrative
5704.2.9.6.1	Locations – Above Ground Tanks		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
5706.2.4.4	Locations – Above Ground Tanks		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
5806.2	Limitations		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
6104.2	Maximum Capacity		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Chapter 80	Referenced Standards		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix B Table B105.1 (1)	Fire Flow - Residential		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix B Table B105.2	Fire Flow - Commercial		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D	Fire Apparatus Access Roads	X				A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D103.1	Access Road Width		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D103.2	Grade		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D103.3	Turning Radius		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D103.5	Gates		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D103.6.1	Fire Lane Marking		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D103.6.2	Fire Lane Marking		X			A1, A2, A3, B1, B2. B3. B4, B5, B6
Appendix D, D104.4	Circumferential Fire Access		X			A1, A2, A3, B1, B2. B3. B4, B5, B6