

RESOLUTION NO.

OF THE BOARD OF SUPERVISORS OF THE COUNTY OF EL DORADO

(REPEALING RESOLUTION NO. 212-2014)

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 2016 California Fire Code became effective on January 1, 2017; and,

WHEREAS, California Health and Safety Code Sections 17958,17958.5, 17958.7 and 18941.5 permit 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 2, Section 13146, assigns responsibility for enforcement of fire safety regulations to the local level and grants authority to delegate enforcement to the chief building official, or his or her authorized representative, or to the chief of the fire protection district, or his or her representative; and,

WHEREAS, enforcement of the Fire Code in the County of El Dorado has historically been shared by the County Building Official and the local Fire Agencies according to the knowledge and skills each possesses; and,

WHEREAS, on October 19, 2016, the Board of Directors of the Cameron Park Community Service District adopted Ordinance No. 2016-10-19, which adopted the 2016 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 ratify the following building code Amendments to the California Fire Code adopted by Cameron Park Community Service District (Fire Department):

These changes include amendments and additions to the California Fire Code in the following sections: 111.4, 503.2, 503.2.1, 503.2.5, 503.2.6, 503.4.2 through 503.4.5, 507.5.1, 604.1.2, 903.2, 903.2.a, 903.2.b, 903.2.1, 903.2.C, 903.2.3, 903.2.4, 903.2.7, 903.2.9, 903.2.10, 907.2.a, 907.2.b, 907.2.c, 907.2.d, 5601.2, Table 6104.3 Footnote "d", 6112.1, 6112.2, 6112.3, 6113.1, 6113.2, Appendix BI05.1, Table B105.1(1), BI05.2, & Table 105.2. These changes are itemized in SECTION 2: ADOPTION OF CODE of this ordinance.

These changes also include the following CA Fire Code Sections and Appendices not adopted by the California State Fire Marshal; 101.1 through 101.5, 102.6 through 102.8, 102.10 through 102.12, 103.1 through 104.1, 104.3 through 104.4, 104.6 through 104.6.4, 104.8, through 104.9.2, 104.10.1 through 104.11.3, 105.2.3, 105.3.1 through 105.3.2, 105.6.10, 105.6.17 through 105.6.19, 105.6.28, 105.6.29 through 105.6.37, 105.6.39 through 105.6.44, 105.7.17 through 105.7.18, 106.1, 107.1 through 108.3, 109.3.2 through 109.4.1, 112.1, 113.1 through 113.5, 113.6, 113.6.1, 302, 303.1-303.9, 305.1-305.5, 307.1, through 307.5, 308.1 through 308.4.1, 403.1, 403.5 through 403.12, 503, Appendix D104.1 through D104.3, D105.1 through D105.4, D106.1, D107.1, D107.2, Appendix F and N, based on the 2015 edition of the International Fire Code as published by the International Code Council.

Resolution	
Page 2 of 2	
PASSED AND ADOPTED by the Board	of Supervisors of the County of El Dorado at a regular meeting of said
	, 20, by the following vote of said Board:
	Ayes:
Attest:	Noes:
James S. Mitrisin	Absent:
Clerk of the Board of Supervisors	
By:	
Deputy Clerk	Chair, Board of Supervisors

RESOLUTION NO. 2016-14 of the Board of Directors of the CAMERON PARK COMMUNITY SERVICES DISTRICT

August 17, 2016

RESOLUTION ADOPTING FINDINGS SUPPORTING AMENDMENTS TO THE FIRE CODE

WHEREAS, the Cameron Park Community Services District (CPCSD) intends to adopt an ordinance adopting the California Fire Code and prescribing regulations governing conditions hazardous to life, property and the environment from fire, explosion, hazardous materials and hazardous uses; and

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 Cameron Park Community Services District/Cameron Park Fire Department 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.

A. General. After due consideration, the Board of Directors of the Cameron Park Community Services District/Cameron Park Fire Department, hereby finds that due too 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 California Fire Code. Such changes are deemed to be reasonably necessary to provide adequate and effective protection of life, property and the environment.

The Cameron Park Community Services District/Cameron Park Fire Department provides fire protection, emergency medical services and specialized rescue services to approximately twenty thousand citizens, in an eight (8) 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 to steep slopes of dense manzanita. 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 the township of Cameron Park and the highway 50 corridor. The core area is more urban and contains most of the district's commercial development and potential for additional commercial development. The north and south areas typically contain large subdivisions of residential development. The north and south areas become very isolated and more rural as one moves further away from the core of the district.

The Cameron Park Community Services District/Cameron Park Fire Department 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 two, full-time, staffed fire stations to provide emergency services to the community. Fire Station 89 is located in the unincorporated town of Cameron Park, at 3200 Country Club Drive. Fire Station 88 is located in the unincorporated town of Cameron Park, at 2961 Alhambra Drive. The District has 18 full-time, career personnel and 10 volunteer firefighter positions, and 1 part-time support positions.

B. Climatic. Climate has one of the greatest impacts to fire behavior and other major emergency events because it cannot be controlled. Average yearly rainfall for Cameron Park is approximately 18 inches and typically occurs from October to April. Low level fog is present throughout the winter months and frequently causes visibility to be reduced. This fog, in conjunction with cold temperatures, may also cause freezing and slick roadways. These weather related conditions may cause delays for emergency responders and have resulted in numerous vehicle accidents.

Summers are arid and warm and there is generally no measurable precipitation. Temperatures for this dry period range from 70 to 112 degrees Fahrenheit and are frequently accompanied by light to gusty Delta winds. The relative humidity during summer months ranges from 2 to 30 mmHG, which is arid. The surrounding area contains thousands of acres of open space, which, in conjunction with the dry and windy conditions, create hazardous situations culminating in grass and brush fires. Wind driven fires have led to serious consequences in similar areas of the state.

C. **Topographical.** The district is primarily composed of areas that are considered by the State Fire Hazard Severity Zone Mapping System to be a region of high fire severity zones. Much of the district is located within foothill terrain, covered with highly combustible vegetation, including the presence of many coniferous forested areas as well as dense Chaparral. The elevation within the district ranges from 800 feet to over 1,200 feet at the highest point. Slope within the district ranges from 0 degrees to 90 degrees. Many structures within the areas 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 very 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.

Several topographical features bisect the community, including a public small aircraft airport, a large country club golf course and Cameron Park Lake. These features bisect the district into two primary areas east and west of the topographical features. Four, two-lane roads allow response equipment to gain access to the other side of these topographic barriers. Traffic has to be channeled around these topographical features and limitations, which create traffic congestion and delay emergency response. Increasingly heavy traffic congestion on the community's major streets already acts as a barrier to timely response for fire and emergency vehicles.

D. Geological. The Cameron Park Community Services District/Cameron Park Fire Department is located in Seismic Zone Three, for moderate activity. 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 needs 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.

The water supply in the community makes extensive use of automatic fire sprinkler systems feasible. The area is favored with sources of high quality water from private and municipal water companies.

The National Fire Protection Association statistics indicate that automatic fire sprinkler systems established an efficiency record of approximately 96% satisfactory performance in the United States during the past 91 years since 1925.

Based on the aforementioned local climatic, topographical, geographical conditions and facts, those specific amendments as specified in this chapter for the California Fire Code, are considered reasonable and necessary modifications to the requirements established pursuant to Health and Safety Code Section 18941.5. While it is clearly understood that the adoption of such amendments may not prevent the incidence of fire, the implementation of these various amendments to the code attempt to reduce the severity and potential loss of life, property and protection of the environment.

Resolution No. 2016-14 Findings Supporting Amendments to the Fire Code Page 3 of 3

INTRODUCED at a regular meeting of the Board of Directors of the Cameron Park Community Services District/Cameron Park Fire Department on August 17, 2016.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Cameron Park Community Services District/Cameron Park Fire Department on August 17, 2016 by the following vote of said Board:

AYES: GS, MM, AB, SM, HM

NOES: None

ABSENT: None

ATTEST:

Mary Cahill, Board Secretary

Director Greg Stanton, President

Board of Directors



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

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:

10/24

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

Dated at Placerville, California, this 24th day of OCTOBER, 2016

Proof of Publication of PUBLIC NOTICE

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THE BOARD OF DIRECTORS HEREBY DIRECTS District shall to publish and part his-Summary of Ordinance No. 2018, 10.18 as provided in Government Codis Section 25124.

District stant to publish and publish and sources, ordinances in 2018 to 12 a provided in Government Code Sociata 25124.

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

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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:

10/14

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

Dated at Placerville, California, this 14th day of OCTOBER, 2016

Proof of Publication of PUBLIC NOTICE

Cemeron Pork Community Services District
OFFICIAL SUMMARY OF ORDINANCE NO.
2013.19.19:
AN ORDINANCE OF THE CAMERON PARK
COMMUNITY SERVICES DISTRIET ADOPTING
THE 2016 EDITION OF THE CALIFORNIA FIRE
CODE WITHIN CAMERON PARK
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The Board of Directors of the Cameron Park
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Community Services District is considering the
adoption of October 80 governing the saleguarding of
life and property from fare and explasion hazards
arising from the storage, handling and use of
hazardous substances, materials and devices, and
from candidons hazardous to life or property in the
occupancy of buildings and premises in the Cameron
Park Community Services District Fire Department;
providing for the Iszurage of permits and collection
of feets therefore; repealing Ordinance No. 2013.12.18
of the Cemeron Park Community Services District
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Camery Guto Drive, Cemeron Park, Carlfornia 55602
A printed copy of the propaged Ordinance is available
for Inapaction by any proson during regular office
hours in the administrative affices of the District and
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25120 through 25132,
10714

ORDINANCE No. 2016.10.19

AN ORDINANCE OF the Cameron Park Community Services District Fire Department "CALIFORNIA FIRE CODE" WITHIN Cameron Park Community Services District Fire Department

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF the Cameron Park Community Services District Fire Department. Also known as the Cameron Park Community Services District Fire Department AS FOLLOWS:

AN ORDINANCE OF THE CAMERON PARK COMMUNITY SERVICES DISTRICT FIRE DEPARTMENT ADOPTING THE 2016 EDITION OF THE CALIFORNIA FIRE CODE, BASED UPON THE 2015 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 CAMERON PARK COMMUNITY SERVICES DISTRICT FIRE DEPARTMENT; PROVIDING FOR THE ISSUANCE OF PERMITS AND COLLECTION OF FEES THEREFORE; REPEALING ORDINANCE NO. 2013.12.18 OF THE CAMERON PARK COMMUNITY SERVICES DISTRICT FIRE DEPARTMENT AND ALL OTHER ORDINANCES AND PARTS OF THE ORDINANCES IN CONFLICT THEREWITH.

BE IT ORDAINED by the Board of Directors of the Cameron Park Community Services District Fire Department, also known as the Cameron Park Community Services District Fire Department:

Section 1: FINDINGS

Section 2: ADOPTION OF CODE

Section 3: CALIFORNIA FIRE CODE, AMENDMENTS

Section 4: ESTABLISHING LIMITS

Section 5: CONFLICT

Section 6: SEVERABILITY

Section 7: EFFECTIVE DATE AND PUBLICATION

SECTION 1: FINDINGS

The Cameron Park Community Services District Fire Department makes certain changes (listed below) to the California Fire Code, 2016 Edition, pursuant to Health and Safety Code Section 13869.7, 17958.7 and 18941.5 during this code adoption process. Such changes are necessary because of local climatic, geological and/or topographic conditions, as specified by the Matrix attached at the end of this ordinance. The Cameron Park Community Services District Fire Department has adopted, pursuant to Section 18941.5 of the California Health and Safety Code, the findings of facts relative to these conditions by Resolution #2016-14 of the Cameron Park Community Services District Fire Department dated August 17, 2016.

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

111.4, 503.2, 503.2.1, 503.2.5, 503.2.6, 503.4.2 through 503.4.5, 507.5.1, 604.1.2, 903.2, 903.2.a, 903.2.b, 903.2.1, 903.2.C, 903.2.3, 903.2.4, 903.2.7, 903.2.9, 903.2.10, 907.2.a, 907.2.b, 907.2.c, 907.2.d, 5601.2, Table 6104.3 Footnote "d", 6112.1, 6112.2, 6112.3, 6113.1, 6113.2, Appendix B105.1, Table B105.1(1), B105.2, & Table 105.2. These changes are itemized in SECTION 2: ADOPTION OF CODE of this ordinance.

These changes also include the following <u>CA Fire Code Sections and Appendices not adopted</u> by the California State Fire Marshal; 101.1 through 101.5, 102.6 through 102.8, 102.10 through 102.12, 103.1 through 104.1, 104.3 through 104.4, 104.6 through 104.6.4, 104.8, through 104.9.2, 104.10.1 through 104.11.3, 105.2.3, 105.3.1 through 105.3.2, 105.6.10, 105.6.17 through 105.6.19, 105.6.28, 105.6.29 through 105.6.37, 105.6.39 through 105.6.44 105.7.17 through 105.7.18, 106.1, 107.1 through 108.3, 109.3.2 through 109.4.1, 112.1, 113.1 through 113.5, 113.6, 113.6.1, 302, 303.1-303.9, 305.1-305.5, 307.1, through 307.5, 308.1 through 308.4.1, 403.1, 403.5 through 403.12, 503, Appendix D104.1 through D104.3, D105.1 through D105.4, D106.1, D107.1, D107.2, Appendix F and N, based on the 2015 edition of the International Fire Code as published by the International Code Council.

SECTION 2: ADOPTION OF CODE

That a certain document, three (3) copies of which are on file in the office of the Secretary of the Board of Directors of the Cameron Park Community Services District Fire Department, being marked and designated as the California Fire Code, 2016 edition, in its entirety, with the following amendments: 111.4, 503.2, 503.2.1, 503.2.5, 503.2.6, 503.4.2 through 503.4.5, 507.5.1, 604.1.2, 903.2, 903.2.a, 903.2.b, 903.2.1, 903.2.C, 903.2.3, 903.2.4, 903.2.7, 903.2.9, 903.2.10, 907.2.a, 907.2.b, 907.2.c, 907.2.d, 5601.2, Table 6104.3 Footnote "d", 6112.1, 6112.2, 6112.3, 6113.1, 6113.2, Appendix B105.1, Table B105.1(1), B105.2, & Table 105.2; and the following CA Fire Code Sections and Appendices not adopted by the California State Fire Marshal: 101.1 through 101.5, 102.6 through 102.8, 102.10 through 102.12, 103.1 through 104.1, 104.3 through 104.4, 104.6 through 104.6.4, 104.8, through 104.9.2, 104.10.1 through 104.11.3, 105.2.3, 105.3.1 through 105.3.2, 105.6.10, 105.6.17 through 105.6.19, 105.6.28, 105.6.29 through 105.6.37, 105.6.39 through 105.6.44 105.7.17 through 105.7.18, 106.1, 107.1 through 108.3, 109.3.2 through 109.4.1, 112.1, 113.1 through 113.5, 113.6, 113.6.1, 302, 303.1-303.9, 305.1-305.5, 307.1, through 307.5, 308.1 through 308.4.1, 403.1, 403.5 through 403.12, 503, Appendix D104.1 through D104.3, D105.1 through D105.4, D106.1, D107.1, D107.2, Appendix F and N, based on the 2015 edition of the International Fire Code as published by the International Code Council and the 2016 California Fire Code, be and is hereby adopted as the Fire Code of the Cameron Park Community Services District Fire Department, in the State of California 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 as herein provided; providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, penalties, conditions and terms of said Fire Code on file in the office of the Cameron Park Community Services District Fire Department are hereby referred to, adopted, and made a part hereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 3 of this ordinance.

SECTION 3: CALIFORNIA FIRE CODE, AMENDMENTS

The following Sections are hereby amended or added:

California Fire Code, Chapter 1 Amendments - Scope and Administration:

Section 105 - Permits

Section 105.6.28 of Chapter 1 of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

105.6.28 - LP Gas. An operational permit is required for:

1. Storage and use of LP-gas.

Exception: A permit is not required for individual containers with 500 100-gallon water capacity or less or multiple container systems having an aggregate quantity not exceeding 500 251 gallons serving occupancies in Group R-3.

Section 109 - Violations

Section 109.4 of Chapter 1 of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

Section 109.4 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 <u>misdemeanor</u>, punishable by a fine of not more than \$1,000.00 and/or by imprisonment not exceeding 6 months, 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 Section 13145 and 17995).

Section 111 - Stop Work Order

Section 111.4 of Chapter 1 of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

111.4. 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 liable to a fine of not less than \$500 or not more than \$1,000. (Health & Safety Code Section 13145 and 17995).

Section 113 - Fees

Sections 113.6 and 113.6.1 of Chapter 1 of the Fire Code of the Cameron Park Community Services District Fire Department are added to read as follows:

113.6 Permit, Plan Review and Inspection Fees. A schedule of fees adopted by the Fire District Board of Directors for Plan Review, Inspections and the issuance of Permits by the Fire District may be found in the most current the Cameron Park Community Services District Fire Department fee schedule (Health & Safety Code 17951).

113.6.1 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 Fire 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 and Safety Code 13916). The fee shall not exceed the actual cost of suppressing the fire and/or responding to the scene of an incident.

California Fire Code, Chapter 5 Amendments - Fire Service Features

Section 503 - Fire Apparatus Access Roads

Section 503 of the CA Fire Code is <u>adopted in its entirety</u> as part of the Fire Code of the Cameron Park Community Services District Fire Department. Only the additions or amendments to Section 503 are listed below:

503.2 Specifications. All fire apparatus access roads shall be installed and arranged in accordance with Sections 503.2.1 through 503.2.8.

[California Code of Regulations, Title 19, Division 1, §3.05(a)] Fire Department Access and Egress. (Roads)

(a) Roads. Required access roads from every building to a public street shall be all-weather hard-surfaced (suitable for use by fire apparatus) right-of-way not less than 20 feet (6096 mm) in width. Such right-of-way shall be unobstructed and maintained only as access to the public street.

Exception: The enforcing agency may waive or modify this requirement if in his opinion such all-weather hard surfaced condition is not necessary in the interest of public safety and welfare.

503.2.1 Dimensions. For one and two family dwelling units (R3) applications, fire apparatus access roads shall have an unobstructed width of not less than 20 feet <u>plus one-foot shoulder on each</u> side, except for *approved* security gates in accordance with <u>Section 503.6</u>, and an unobstructed vertical clearance of not less than 15 feet.

For applications other than (R3), fire apparatus access roads shall have an unobstructed width of not less than 20 feet, plus one-foot shoulder on each side, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet or as approved by the fire code official.

All Driveways, as defined by Title 14 SRA Fire Safe Regulations, shall be not less than 12 feet wide.

503.2.5 Dead ends. For one and two family dwelling units (R3) applications, dead-end fire apparatus access roads shall comply with Title 14 SRA Fire Safe Regulations and shall have a turnaround constructed at its terminus.

For applications other than (R3), dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) in length shall be provided with an *approved* area for turning around fire apparatus.

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 the current El Dorado County Transportation Division bridge standard. 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 which are not designed for such use, *approved* barriers, *approved* signs or both shall be installed and maintained when required by the *fire code official*.

503.4.2 Fire Apparatus Access Gates. Fire Apparatus Access Road Gates shall meet the standards identified in the Fire Department's Gate Standard.

Section 503.4.3 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

503.4.3 Roads from 20 to 29 feet in width. Fire apparatus access roads, 20 to 29 feet wide, shall be posted on both sides as a fire lane, with no parking allowed on either side of the roadway.

Section 503.4.4 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

503.4.4 Roads from 30 to 35 feet in width. Fire apparatus access roads, 30 to 35 feet wide, shall be posted on one side as No Parking, Fire Lane, with parking allowed only on the opposite side of the roadway.

Section 503.4.5 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

503.4.5 Roads 36 feet and greater in width. Fire apparatus access roads, 36 feet and greater in width, may allow parking on both sides of the roadway.

The Following Sections of the California Fire Code, Appendix D - Fire Apparatus Access Roads are adopted and amended to read as part of Chapter 5 as follows:

Section D104 - Commercial and Industrial Developments

<u>D104.1 Buildings exceeding three stories or 30 feet in height.</u> Buildings or facilities exceeding 30 feet or three stories in height shall have at least two means of fire apparatus access for each structure.

D104.2 Buildings exceeding 62,000 square feet in area. Buildings or facilities having a gross building area of more than 62,000 square feet shall be provided with two separate and approved fire apparatus access roads.

D104.3 Remoteness. Where two access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

Exception: Fire apparatus roads cannot be installed because of location on property, topography, waterways, nonnegotiable grades or similar condition, and an approved alternative means of fire protection is provided.

Section D105 - Aerial Fire Apparatus Access Roads

D105.1 Where required. Buildings or portions of buildings or facilities exceeding 30 feet in height above the lowest level of fire department vehicle access shall be provided with approved fire apparatus access roads capable of accommodating fire department aerial apparatus. Overhead utility and power lines shall not be located within the aerial fire apparatus access roadway.

D105.2 Width. Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet, exclusive of shoulders, in the immediate vicinity of any building or portion of building more than 30 feet in height.

D105.3 Proximity to building. At least one of the required access routes meeting this condition shall be located within a minimum of 15 feet and a maximum of 30 feet from the building, and shall be positioned parallel to one entire side of the building.

<u>D105.4 Obstructions</u>. Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with the approval of the fire code official.

Section D106 - Multiple-Family Residential Developments

D106.1 Projects having more than 100 dwelling units. Multiple- family residential projects having more than 100 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.

Section D107 - One- or Two-Family Residential Developments

<u>D107.1</u> One- or two-family dwelling residential developments. Developments of one- or two-family <u>dwellings</u> shall be provided with separate and <u>approved</u> fire apparatus access roads and shall meet the requirements of D107.2 Remoteness, when required by the Fire Chief.

Section 507 - Fire Protection Water Supplies

Sections 507.5.1 of Chapter 5 of the Fire Code of the Cameron Park Community Services District Fire Department are amended to read 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 the 400 150 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 shall be provided where required by the fire code official.

Exception: For Group R-3 and Group U occupancies, equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.1, the distance requirement shall be not more than 600 feet (183m).

California Fire Code, Chapter 6 Amendments - Building Services and System

Section 604 - Emergency and Standby Power Systems

Sections 604.1.2 of Chapter 6 of the Fire Code of the Cameron Park Community Services District Fire Department are amended to read as follows:

Section 604.1.2 Installations. Emergency power systems and standby power systems shall be installed in accordance with this code, NFPA 110 and NFPA 111. All buildings, other than one- and two-family dwelling units, and agricultural buildings not used for commercial purpose, with stand-by 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.

California Fire Code, Chapter 9 Amendments - Fire Protection Systems

Section 903 - Automatic Sprinkler Systems

Section 903.2 of Chapter 9 of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

903.2 Where required. Approved, NFPA 13 automatic sprinkler system shall be required and installed in all buildings or structures, greater than 3600 square feet, when constructed or relocated within the jurisdiction.

Exceptions:

- One- and two-family dwelling units (R-3 Occupancies). (See Section R313 of the 2016 CA
 Residential Code that requires all one and two family dwellings to be equipped with an NFPA
 13D sprinkler system)
- 2. Agricultural buildings, except any agricultural building which is used for commercial purposes (e.g. retails sales, food service, and/or special events)

Sections 903.2.a and 903.2.b of Chapter 9 of the Fire Code of the Cameron Park Community Services District Fire Department are added to read as follows:

903.2.a Status of existing buildings greater than 3,600 square feet. In existing buildings 3600 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 by an addition of more than thirty percent (30%) or 1,000 square feet, whichever is less, such building or structure shall be made to conform to Section 903.2.

903.2.b Status of existing buildings less than 3,600 square feet. 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, by an addition of more than thirty percent (30%) or 1,000 square feet, whichever is less, such building or structure shall be made to conform to Section 903.2.

The following sections are amended by changing California Fire Code requirements to 3,600 square feet for fire sprinkler installation, as follows (the complete text of the section is not provided):

903.2.1	Group A	All Group A - 3,600 square feet or greater	
903.2.c	Group B	All Group B - 3,600 square feet or greater	
903.2.3	Group E	All Group E - 3,600 square feet or greater	
903.2.4	Group F	All Group F - 3,600 square feet or greater	
		*2,500 square feet or greater for manufacturing of mattresses	
		and upholstered furniture	
903.2.7	Group M	All Group M - 3,600 square feet or greater	
903.2.9	Group S-1	All Group S-1 - 3,600 square feet or greater	
		*2,500 square feet for storage of mattresses and upholstered	
		furniture	
903.2.10	Group S-2	All group S-2 - 3,600 square feet or greater	

Section 907 - Fire Alarm and Detection Systems

Sections 907.2.a, 907.2.b and 907.2.c, 907.2.d of Chapter 9 of the Fire Code of the Cameron Park Community Services District Fire Department are added to read as follows:

907.2.a An approved fire alarm/detection system shall be installed in all buildings with a floor area less than 3,600 square feet.

Exceptions:

- 1. One and two family dwellings (R-3 Occupancies and other occupancies classified as "U").
- 2. Agricultural buildings, except any agricultural building which is used for commercial purposes (e.g. retails sales, food service, and/or special events).
- 3. <u>Buildings with a floor area less than 500 square feet may be exempt, as determined by the Fire Chief, based on building construction material and features, location, occupancy type, and distance to exposures.</u>

907.2.b Status of existing buildings. In existing buildings 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 or modified by more than thirty percent (30%) or 1,000 square feet, whichever is less, such building or structure shall be made to conform to Section 907 when required by the Fire Chief. Buildings with a floor area less than 500 square feet may be exempt, as determined by the Fire Chief, based on building construction materials and features, location, occupancy type, and distance to exposures.

907.2.c Monitoring. All fire alarm detection systems shall be connected directly through and monitored by a U.L. approved central, proprietary or remote station service, which gives audible and visual signals at a constantly attended location. All sprinklered buildings shall be monitored.

907.2.d Type I Hood Installations. The requirement of installation, or replacement, of a Type I Hood System shall require a monitoring fire alarm system to be installed, or for the hood system to be connected to an existing Fire Alarm system for that building.

California Fire Code, Chapter 56 Amendments - Explosives and Fireworks

Section 5601.2 is amended as follows: Permits required.

Section 5601.2 of Chapter 56 of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

5601.2 - Permits required. Permits shall be required as set forth in Section 105.6 and regulated in accordance with this section. Where explosives permits are required, they shall be issued by the Fire Chief, or his/her representative, and the El Dorado County Sheriff's Department. Where fireworks permits are required, they shall be issued by the Fire Chief and the El Dorado County Board of Supervisors.

California Fire Code, Chapter 61 Amendments - Liquefied Petroleum Gases

Table 6104.3 Footnote "d" of Chapter 61 of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

6104.3 Footnote "d"- 500-gallons 251 gallons. <u>Installation of DOT tanks</u>, with setbacks from structures less than 10 feet, must be approved by the Fire AHJ.

Section 6112 is added as follows: High Elevation Liquefied Petroleum Gas Installations (4,000' and Above).

Section 6112 of Chapter 61 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

<u>6112.1 Regulators.</u> Two-stage regulator system shall be installed in accordance with manufacturer requirements.

- 1. Two stage regulator systems shall be installed on all LPG installations.
- 2. The first stage regulator shall be installed under the hinged gauge cover supplied with the tank. The atmospheric pressure aperture of the regulator shall be pointed downward. The first stage regulator shall be plumbed to the riser of the yard piping with soft copper tubing to allow flexibility should tank shifting occur. The riser from the yard piping shall be located not more than 3 inches (horizontally) from the walls of the tank.
- 3. The second stage regulator and riser pipe shall be installed under the eave of the building, as close as practicable to the building wall. This riser shall be securely supported/braced to the wall approximately 10 inches below the regulator so as to prevent bending of the pipe by lateral snow/ice loads.
- 4. A protective cover, approved by the gas supplier and Building Official, shall be installed over the second stage regulator and securely supported to the ground or diagonally to the wall.
- 5. The riser pipes for the yard piping shall not be imbedded in concrete. Concrete placed around such riser shall be held back at least 1 inch from all sides of the pipe.
- 6. At the time of application for any building permit, which involves the installation of a LPG system, the applicant shall submit a LPG system plot plan in 3 copies (or digitally as PDF). The LPG plot plan shall include, but not be limited to, the tank location, proposed tank capacity in U.S. gallons, route of yard piping, location of the riser pipe at the building, property boundaries, an outline of all existing/proposed buildings on the lot and a depiction of the ridge line of any building to be supplied with LPG. This shall also be forwarded to the appropriate fire district to serve as a locator map in event of an emergency.

- 7. Location of the centerline of LPG tanks shall be permanently marked by the use of snow stakes, one at each end. Such stakes shall be of sufficient height to be visible through anticipated maximum snow depth at the respective location. Installation and maintenance of these snow stakes is the responsibility of the LPG user.
- 8. Propane appliances and accessories shall not be permitted in any new installation below the first floor or below grade, whichever is more restrictive.

Section 6112.2 of Chapter 61 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

6112.2 Vertical Riser Piping.

- 1. Minimum of Schedule 80 iron piping.
- 2. Riser shall be within 3 inches horizontally of the tank.
- 3. Swing joints shall be installed above and below tank level to provide for the tank movement. (Street elbows shall not be used.)
- A listed flexible riser constructed of copper or stainless steel tubing and protected by a steel
 covered sheathed material may be used instead of swing joints. The flexible alternative shall
 provide sufficient slack to allow for tank movement.

Section 6112.4 of Chapter 61of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

6112.3 Marking and Locations.

- 1. An approved sign shall be located directly above the riser shut off valve on the building in a visible location.
- The liquefied petroleum gas supplier shall affix a weatherproof identification tag to the inside
 of the tank valve protecting cover. This tag shall contain the supplier's name and emergency
 telephone number.
- 3. Tank installation shall be permanently marked by a metal or wood material snow marker, with a minimum dimension of 2 inches by 2 inches. The snow marker shall be of sufficient height to rise above the annual snow depth and shall be a minimum of 10 feet in height. The snow markers shall be painted yellow and located on opposite ends of the tank.

Section 6113 of Chapter 61 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

Section 6113.1 & 6113.2 of Chapter 61 of the Fire Code of the Cameron Park Community Services District Fire Department is added to read as follows:

6113.1 Permits and Plans. Permits shall be required and plans shall be submitted for all underground tank installations and approved by the Fire AHJ.

6113.2 Underground LPG Tank Ownership. Underground LPG tanks shall be prohibited from being sold to end-users and shall be retained by the LPG company under a lease-type system to ensure proper annual maintenance requirements are met and recorded.

Appendix B - Fire Flow Requirements for Buildings

Appendix B is adopted in its entirety, with the following amendments below:

Section B105.1, Table B105.1(1) of Appendix B of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

<u>Table B105.1(1) – Required Fire-Flow for One- and two- family dwellings, Group R-3 and R-4 buildings and townhouses:</u>

FIRE-FLOW CALCULATION AREA	AUTOMATIC SPRINKLER SYSTEM	MINIMUM FIRE-FLOW	FLOW DURATION
(square feet)	(design standard)	(gallons per min)	(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 (min. 2 hours)
0 - 3,600	§ 903.3.1.3 of the CA Fire Code or §313.3 of the CA Residential Code	500 1,000	¼ 1
3,601 and greater	§ 903.3.1.3 of the CA Fire Code or §313.3 of the CA Residential Code	½ value of Table B105.1(2) (min. 1500 GPM)	1 2

Table B105.2 of Appendix B of the Fire Code of the Cameron Park Community Services District Fire Department is amended to read as follows:

<u>Table B105.2 - Buildings other than one- and two- family dwellings, Group R-3 and R-4 buildings and townhouses:</u>

AUTOMATIC SPRINKLER SYSTEM	MINIMUM FIRE-FLOW	FLOW DURATION
(design standard)	(gallons per min)	(hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
§ 903.3.1.3 of the CA Fire Code	25% 50% of the value in Table B105.1(2) * (min. 1500 GPM)	Duration in Table B105.1(2) at the reduced flow rate
§ 903.3.1.3 of the CA Fire Code	25% 50% of the value in Table B105.1(2) *	Duration in Table B105.1(2) at the reduced flow rate

^{*}No footnotes adopted

SECTION 4. ESTABLISHING LIMITS

That the geographic limits referred to in certain sections of the Fire Code of the Cameron Park Community Services District Fire Department are hereby established as follows:

<u>Sections 5704.2.9.6.1- Geographic limits in which flammable or combustible liquids in above-ground tanks outside of buildings is prohibited:</u>

The limits, referred to in Sections 5704.2.9.6.1 of the Fire Code of the Cameron Park Community Services District Fire Department in which the storage of Class I flammable liquids or Class II combustible liquids in above- ground tanks outside of buildings is restricted, are hereby established as the limits of the Cameron Park Community Services District Fire Department, County of El Dorado.

The storage of Class I flammable liquids or Class II combustible liquids in above-ground tanks outside of buildings is allowed in an AHJ approved Commercial, Industrial Zone with a Special/Conditional Use Permit issued by the County of El Dorado.

Sections 5706.2.4.4 - Geographic limits in which flammable or combustible liquids in above-ground tanks is prohibited:

The limits, referred to in Sections 5706.2.4.4 of the Fire Code of the Cameron Park Community Services District Fire Department in which the storage of Class I flammable liquids or Class II combustible liquids in above- ground tanks is restricted, are hereby established as the limits of the Cameron Park Community Services District Fire Department, County of El Dorado.

The storage of Class I flammable liquids or Class II combustible liquids in above-ground tanks is allowed in an AHJ approved Commercial, Industrial Zone with a Special/Conditional Use Permit issued by the County of El Dorado.

Section 5806.2- Geographic limits in which storage of flammable cryogenic fluids in stationary containers is prohibited:

The limits referred to in Section 5806.2 of the Fire Code of the Cameron Park Community Services District Fire Department in which storage of flammable cryogenic fluids in stationary containers is prohibited are hereby established as the limits of the Cameron Park Community Services District Fire Department, County of El Dorado.

The storage of flammable cryogenic fluids in stationary containers is allowed in an AHJ approved Commercial, Industrial Zone with a Special/Conditional Use Permit issued by the County of El Dorado.

Section 6104.2 - Geographic limits in which storage of liquefied petroleum gases is to be restricted for the protection of heavily populated and congested areas:

The limits, referred to in Section 6104.2 of the California Fire Code, in which storage of liquefied petroleum gas in excess of an aggregate of 2,000-gallon water capacity is restricted, are hereby established as limits of the Cameron Park Community Services District Fire Department, County of El Dorado.

- 1. 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 AHJ approved and a Special/Conditional Use Permit is issued by the County of El Dorado.
- 2. Dispensing within established limits. Within the limits established by law restricting the dispersion 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 (112) 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 AHJ approved and a Special/Conditional Use Permit is issued by the County of El Dorado.

SECTION 5: CONFLICT

That ORDINANCE NO. 2016.10.19 of the Cameron Park Community Services District Fire Department, and all other ordinances or parts of ordinances herewith are hereby repealed.

SECTION 6: 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 Cameron Park Community Services District Fire Department 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 7: EFFECTIVE DATE AND PUBLICATION

This Ordinance shall take effect thirty (30) days after its adoption. The Cameron Park Community Services District Fire Department 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 Cameron Park Community Services District Fire Department, pursuant to Government Code Section 36933(c) (1).

The above Ordinance was introduced at a meeting of the Board of Directors of the Cameron Park Community Services District Fire Department on the September 21, 2016 and it was then read for the first time. The Ordinance was read for the second time on the October 19, 2016 and approved by the following vote:

PASSED AND ADOPTED by the Board of Directors of the Cameron Park Community Services District Fire Department this, 19th day of October, 2016.

AYES:

STANTON, MOHR, BLACKMON, MC NEIL, MORRISON

NOES:

NONE

ABSENT:

NONE

ABSTAIN:

NONE

ATTEST:

Mary Cahill, Board Secretary

ATTEST:

Director Greg Stanton, President

Board of Directors

2016 CFC Findings of Fact Matrix

2016 CFC Amended Code Section	Adopted	Adopted as Amended	Finding
111.4		Х	Admin
503.2		Х	Climatic/Geological/Topographical
503.2.1		Х	Climatic/Geological/Topographical
503.2.5		Х	Climatic/Geological/Topographical
503.2.6		Х	Climatic/Geological/Topographical
503.4.2 through 503.4.5		Х	Climatic/Geological/Topographical
507.5.1		Х	Climatic/Geological/Topographical
604.1.2		Х	Climatic/Geological/Topographical
903.2		X	Climatic/Geological/Topographical
903.2.a		X	Climatic/Geological/Topographical
903.2.b		X	Climatic/Geological/Topographical
903.2.1		X	Climatic/Geological/Topographical
903.2.c		X	Climatic/Geological/Topographical
903.2.3		X	Climatic/Geological/Topographical
903.2.4		X	Climatic/Geological/Topographical
903.2.7		X	Climatic/Geological/Topographical
903.2.9		X	Climatic/Geological/Topographical
903.2.10		X	Climatic/Geological/Topographical
907.2.a		X	Climatic/Geological/Topographical
907.2.b		X	Climatic/Geological/Topographical
907.2.c		X	Climatic/Geological/Topographical
907.2.d		X	Climatic/Geological/Topographical
5601.2		X	Geological/Topographical
Table 6104.3 Footnote "d"		X	Climatic/Geological/Topographical
6112.1		X	Climatic/Geological/Topographical
6112.2		X	Climatic/Geological/Topographical
6112.3		X	Climatic/Geological/Topographical
6113.1		Х	Climatic/Geological/Topographical
6113.2		X	Geological/Topographical
Appendix B105.1		X	Climatic/Geological/Topographical
Table B105.1(1)		Х	Climatic/Geological/Topographical
B105.2		X	Climatic/Geological/Topographical
Table 105.2		Х	Climatic/Geological/Topographical
101.1 through 101.5	Х		Admin
102.6 through 102.8	X		Admin
102.10 through 102.12	Х		Admin
103.1 through 104.1	Х		Admin
104.3 through 104.4	Х		Admin
104.6 through 104.6.4	Х		Admin
104.8 through 104.9.2	Х		Admin
104.10.1 through 104.11.3	Х		Admin
105.2.3	Х		Admin
105.3.1 through 105.3.2	Х		Admin
105.6.10	Х		Admin
105.6.17 through 105.6.19	Х		Admin
105.6.28	X		Admin

2016 CFC Findings of Fact Matrix

2016 CFC Amended Code Section	Adopted	Adopted as Amended	Finding
105.6.29 through 105.6.37	Х		Admin
105.6.39 through 105.6.44	Х		Admin
105.7.17 through 105.7.18	Х		Admin
106.1	Х		Admin
107.1 through 108.3	Х		Admin
109.3.2 through 109.4.1	Х		Admin
112.1	Х		Admin
113.1 through 113.5	Х		Admin
113.6	Х		Admin
113.6.1	Х		Admin
302	X		Admin
303.1 through 303.9	Х		Climatic/Geological/Topographical
305.1 through 305.5	Х		Climatic/Geological/Topographical
307.1 through 307.5	Х		Climatic/Geological/Topographical
308.1 through 308.4.1	Х		Climatic/Geological/Topographical
403.1	Х		Climatic/Geological/Topographical
403.5 through 403.12	X		Climatic/Geological/Topographical
503	Х		Climatic/Geological/Topographical
Appendix D104.1 through D104.3	Х		Climatic/Geological/Topographical
D105.1 through D105.4	Х		Climatic/Geological/Topographical
D106.1	Х		Climatic/Geological/Topographical
D107.1	Х		Climatic/Geological/Topographical
D107.2	Х		Climatic/Geological/Topographical
Appendix F	Х		Climatic/Geological/Topographical
Appendix N	Х	· · · · · · · · · · · · · · · · · · ·	Geological/Topographical