

RESOLUTION 2010-16

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE EL DORADO COUNTY FIRE PROTECTION DISTRICT, ADOPTING FINDINGS SUPPORTING AMENDMENTS TO THE 2010 CALIFORNIA FIRE CODE

WHEREAS, the El Dorado County Fire Protection District (District) intends to adopt an ordinance adopting the California Fire Code, 2010 Edition, 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 the effect.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the El Dorado County Fire Protection District hereby adopts the following findings concerning current unique local conditions that together make each modification to the California Fire Code, 2010 Edition, reasonably necessary to provide adequate and effective protection of life, property and the environment.

General. After due consideration, the Board of Directors of the El Dorado County 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 2010 California Fire Code. Such changes are deemed to be reasonably necessary to provide adequate and effective protection of life, property and the environment.

Climatic. The weather patterns with the El Dorado County Fire Protection District are considered variable. The normal year's rainfall is approximately 50 inches, while the summer condition is often hot and dry with temperatures over 100 degrees at times. This combination often created hazardous fuel conditions in the El Dorado County Fire Protection District. Drying winds in the summer and fall months reduce fuel moisture and relative humidity to the minimum levels, thereby creating ideal fire weather conditions.

Geologic. The El Dorado County Fire Protection District is geologically mixed. Much of the El Dorado County Fire Protection District is precipitous hilly areas where escape opportunities from residential structures are limited to one side of the home only. The steepness and uneven nature of the land often hinders, and sometimes prevents, the erecting of rescue ladders at the side of a home on a hillside parcel. The El Dorado County Fire Protection District is located within a 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. Landslides have also been experienced in the El Dorado County Fire Protection District in recent years. While stabilization of hillsides can sometimes be achieved, heavy rainfalls have caused failures. These slides can close roadways, making

accessibility to many locations in the El Dorado County Fire Protection District impossible until properly cleared.

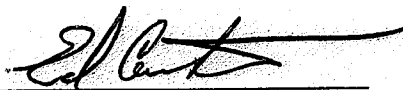
Topographic. The El Dorado County Fire Protection District is protected by a part-paid and part-volunteer fire department. The District is accessible only from the outside by one State Highway and one U.S. Highway. US Highway 50 corridor goes directly through the El Dorado County Fire Protection District and at times may be closed by snow or mudslides. This can make access to many parts of the El Dorado County Fire Protection District difficult. Vehicular access is affected by steep hilly terrain and many secondary ridgelines. Many streets are narrow and winding, restricting the speed at which fire apparatus may safely respond which increases the time lapse between fire detection and apparatus arrival. This delayed response may increase the time a family will face the fire or other emergency on their own.

The El Dorado County Fire Protection District has many dead-end streets; this can restrict the ease of relocation of fire and rescue equipment from one location to another, even though actual separating distance between two areas may be minimal. In addition to restricting access routed for fire apparatus, the dead-end streets also limit egress opportunities for residents. Many of the commercial buildings in the El Dorado County Fire Protection District were largely built long before present code requirements existed. Consequently, many of these structures do not meet even minimal standards of fire protection and life safety. Wood frame construction of older buildings, especially those in mountainous areas, creates an adverse exposure problem, not only in being easily ignited by an adjacent structure fire, but also in contributing to the extension of fire to other buildings through radiation, actual physical heat conduction and flying embers. Fire history in the El Dorado County Fire Protection District has shown flying embers will start secondary fires after being blown in the air. Throughout the El Dorado County Fire Protection District there are areas in which there are no water mains constructed at all.

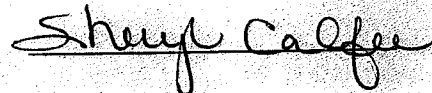
The foregoing resolution was passed and adopted by the Board of Directors of the El Dorado County Fire Protection District at a meeting of said Board held on the 21st day of October 2010 by the following vote:

AYES: Mahach, Courtial, Johnson, Edwards
NOES: none
ABSENT: Rose

ATTEST:



Joe Rose,
Chairman



Sheryl Calfee,
Administrative Assistant

Notice of Adoption of the 2010 California Fire Code

Notice is hereby given that the El Dorado County Fire Protection District's Board of Directors adopted Ordinance 2011-01, at their regular board meeting on December 8th, 2010 at 3:00 pm, adopting the 2010 edition of the California Fire Code, as amended, based upon the 2009 edition of the International Fire Code. The District adopted the following sections and appendices not adopted by the State of California: 101.3, 103.1 thru 103.4.1, 104.1 thru 104.11.3, 106.1, 107.1 thru 107.6, 108.1 thru 108.3, 112, 113.1 thru 113.6.1, 303.1 thru 303.9, 305.1 thru 305.4, 307.1, thru 307.5, 308.1 thru 308.5, 408.1 thru 408.11.3, and Appendix D101, D103.1, D103.4, D103.5, D103.6, D105.1 thru D105.3, D107.1 F, and J, and amended the following sections: 105.6.27, 109.3, 111.4, 113.6, 113.6.1, 507.5.1, 604.1, 903.2, 907.2, 3301.2, 3308.2, 3804.3, 3812.1, 3812.2, 3812.3, 3812.4, 3813.1, Appendix B and Appendix D.

Ordinance 2011-01 is on file in the main office of the El Dorado County Fire Protection District and is posted on the District's Web Page.

Mountain Democrat

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

Proof of Publication of PUBLIC NOTICE

STATE OF CALIFORNIA
County of El Dorado

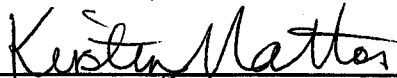
I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 1360 Broadway, a newspaper of general circulation, printed and published 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:

12/20, 12/22

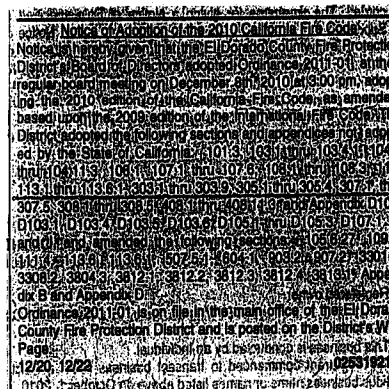
All in the year 2010

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

Dated at Placerville, California, this 22nd day of
DECEMBER, 2010



Signature



Mountain Democrat

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

Proof of Publication of PUBLIC NOTICE

STATE OF CALIFORNIA
County of El Dorado

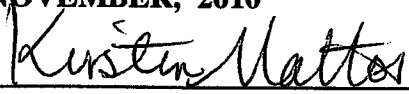
I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 1360 Broadway, a newspaper of general circulation, printed and published 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:

11/08, 11/12

All in the year 2010

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

Dated at Placerville, California, this 12th
day of **NOVEMBER, 2010**



Signature

PUBLIC NOTICE

The El Dorado County Fire Protection District will conduct a Public Hearing on Wednesday, December 8th, 2010, at the regularly scheduled Board of Directors meeting at 3:00 p.m. at El Dorado County Building A, 330 Fair Lane Court, Placerville, CA to consider an Ordinance to adopt the 2010 California Fire Code pursuant to Health and Safety Code Section 13869.

A Copy of the proposed ordinance, the code section referred to and any secondary code sections referred to, adopted by reference are on file with the District, and are open to public inspection at the El Dorado County Fire Protection District Station 21 at 4040 Carson Road, Camino, Ca. between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday.

At said hearing, the El Dorado County Fire Protection District will consider all oral comments, and any written comments received prior to 4:30 p.m. on December 7th, 2010. The public is encouraged to attend.

The first reading of the ordinance will be held on November 18th, 2010, at 3:00 p.m. at El Dorado County Building A, 330 Fair Lane Court, Placerville, CA. At said reading the Board of Directors will hear and receive any testimony, objections, or evidence, which is made or presented.

El Dorado County Fire Protection District
Board of Directors
Joe Rose, Chairman
Sheryl Calfee, Board Secretary
Dated: Nov. 2, 2010
11/08, 11/12

02531548

ORDINANCE NO. 2011-01
AN ORDINANCE OF EL DORADO COUNTY FIRE PROTECTION DISTRICT
"CALIFORNIA FIRE CODE" WITHIN EL DORADO COUNTY

BE IT ORDAINED BY THE EL DORADO COUNTY FIRE DISTRICT AS FOLLOWS:

An ordinance of the El Dorado County Fire Protection District adopting the 2010 edition of the California Fire Code, based upon the 2009 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 El Dorado County Fire Protection District; providing for the issuance of permits and collection of fees therefore; repealing Ordinance No. 2007-01 of the El Dorado County Fire Protection District and all other ordinances and parts of the ordinances in conflict therewith.

Section 1: ADOPTION OF CODE:

Section 2: CALIFORNIA FIRE CODE, AMENDMENTS:

Section 3: ESTABLISHING LIMITS:

Section 4: CONFLICT

Section 5: SEVERABILITY

Section 6: EFFECTIVE DATE AND PUBLICATION:

Section 1: ADOPTION OF CODE:

That a certain document, three (3) copies of which are on file in the office of the Secretary of the El Dorado County Fire Protection District Board, being marked and designated as the California Fire Code, 2010 edition, in its entirety, and the following International Fire Code Sections and Appendices not adopted by the State of California: 101.3, 103.1 thru 103.4.1, 104.1 thru 104.11.3, 106.1, 107.1 thru 107.6, 108.1 thru 108.3, 112, 113.1 thru 113.6.1, 303.1 thru 303.9, 305.1 thru 305.4, 307.1, thru 307.5, 308.1 thru 308.5, 408.1 thru 408.11.3, and Appendix D101, D103.1, D103.4, D103.5, D103.6, D105.1 thru D105.3, D107.1 F, and J, based on the 2009 edition of the International Fire Code as published by the International Code Council, be and is hereby adopted as the Fire Code of the El Dorado County Fire Protection District, 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 El Dorado County Fire Protection District 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 2 of this ordinance.

Section 2: California Fire Code, Chapter 1 Amendments – Scope and Administration:

The following Sections are hereby amended:

Section 105 - Permits

Section 105.6.26 is amended as follows: LP Gas.

Section 105.6.27 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

105.6.27 - LP Gas

1. Storage and use of LP-gas.

Exception: A permit is not required for individual containers with a ~~500~~ 100 gallon water capacity or less serving occupancies in Group R-3.

Section 109 - Violations

Section 109.3 is amended as follows: Violation penalties.

Section 109.3 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows:

Section 109.3 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, punishable by a fine of not more than \$1000.00 dollars 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 Orders

Section 111.4 is amended as follows: Failure to comply.

Section 111.4 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District 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 113.6 and 113.6.1 are added as follows: Fees.

Sections 113.6 and 113.6.1 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District 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 El Dorado County Fire Protection District 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 507 – Fire Protection Water Supplies

Sections 507.5.1 of Chapter 5 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows:

Section 507.5.1 is 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 than 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.

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

Section 604 - Emergency and Standby Power Systems

Sections 604.1 of Chapter 6 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows:

Section 604.1 is amended as follows:

Section 604.1 Installations. Emergency and standby power systems required by this code or the California Building Code shall be installed in accordance with this code, NFPA 110 and NFPA 111. All buildings, other than 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 is amended to read as follows:

Section 903.2 of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

~~903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12.~~

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:

- 1. One and two family dwelling units (R-3 Occupancies).**
- 2. Agricultural buildings not under Special Use Permit used for commercial purposes.**

Sections 903.2.a and 903.2.b are added to read as follows: Status of existing buildings.

Sections 903.2.a and 903.2.b of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District are added to read as follows, based on climatic, geological and topographical conditions:

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.

Section 903.2.8 is amended as follows: Group R Occupancies

Section 903.2.8.1 of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

Section 903.2.8.1 is added to read as follows:

Section 903.2.8.1 of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

903.2.8.1 Automatic sprinkler systems installed in Group R, Division 3 occupancies shall

conform to the following standards, in addition to NFPA Standard 13D, 2010 edition:

1. An interior horn/strobe shall be mounted in a central location audible from the master bedroom upon activation of a flow switch mounted/installed at the sprinkler riser.
 - a. Alternative to interior horn/strobe: An acceptable alternative to the interior horn/strobe is to interconnect the flow switch hardwired smoke detectors. Upon activation of the flow switch, all smoke detectors shall sound.
2. All automatic sprinkler systems shall be hydraulically designed and the plans and hydraulic calculations stamped by a California licensed C-16 fire protection contractor or a Professional Engineer.

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):

<u>903.2.1.1</u>	<u>Group A-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.1.2</u>	<u>Group A-2.</u>	<u>Change 5,000 square feet to 3,600 square feet.</u>
<u>903.2.1.3</u>	<u>Group A-3.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.1.4</u>	<u>Group A-4.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.2.1</u>	<u>Group B.</u>	<u>All Group B occupancies over 3,600 square feet.</u>
<u>903.2.3</u>	<u>Group E.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.4</u>	<u>Group F-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.7</u>	<u>Group M.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.9</u>	<u>Group S-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.10</u>	<u>Group S-2.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>

Section 907 – Fire Alarm and Detection Systems

Sections 907.2.a, 907.2.b, and 907.2.c are added to read as follows:

Sections 907.2.a, 907.2.b and 907.2.c of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District are added to read as follows, based on climatic, geological and topographical conditions:

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)
2. Agricultural buildings not under Special Use Permit used for commercial purposes.
3. 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.

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. 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.

California Fire Code, Chapter 33 Amendments – Explosives and Fireworks

Section 3301.2 is added as follows: Where explosives permits required.

Section 3301.2 of Chapter 33 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3301.2 – Explosives Permits. Where explosives permits are required, they shall be issued by the Fire Chief and the El Dorado County Sheriff's Department.

Section 3308.2 is added as follows: Where fireworks permits required.

Section 3308.2 of Chapter 33 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3308.2 – Fireworks Permits. 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 38 Amendments – Liquefied Petroleum Gases

Table 3804.3 Footnote "d" is amended to read as follows:

Table 3804.3 Footnote "d" of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

3804.3 Footnote "d" - 500 gallons becomes 250 gallons. Installation of DOT tanks, with setbacks from structures less than 10 feet, must be approved by the AHJ.

Section 3812 is added as follows: High Altitude Liquefied Petroleum Gas Installations (4,000' and Above).

Section 3812.1 is added as follows: Regulators.

Section 3812.1 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.1 Regulators. Two-stage regulator system shall be installed in accordance with manufacturer requirements.

1. First stage regulator and connecting pigtail shall be installed under a protective valve cover on the tank. The mounting position of the first stage regulator shall be listed for this application.

Section 3812.2 is added as follows: Vertical Yard Riser Piping.

Section 3812.2 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.2 Vertical Riser Piping.

1. Minimum of Schedule 40-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.)
4. 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 3812.3 is added as follows: Second Stage Regulators.

Section 3812.3 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.3 Second Stage Regulators.

1. The riser and second stage regulator shall be installed on the gable end of the building as close as practical to the building wall.

Exception: If not feasible due to structural or topographical constraints.

2. The riser shall be equipped with a listed gas shut off valve prior to the second stage regulator.

3. A protective cover shall be installed over the second stage regulator and meter (if installed) at the building. The minimum design for the protective cover and support structure shall be equal to or greater than the building design load as determined by the Building Department. The support structure shall be securely attached to the building wall or ground surface.

4. Riser piping shall not be embedded in asphalt or concrete.

Exception: If 1 inch of annular clearance is maintained from all side of the piping.

Section 3812.4 is added as follows: Markings and Locations.

Section 3812.4 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.4 Marking and Locations.

1. An approved sign shall be located directly above the riser shut off valve on the

.building in a visible location.

2. 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 3813 is added to read as follows: Underground Liquefied Petroleum Gas Tank Installations.

Section 3813.1 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

Section 3813.1 is added to read as follows: Permits and Plans.

3813.1 - Permits and Plans. Permits shall be required and plans shall be submitted for all underground tank installations and approved by the AHJ.

Appendix B – Fire Flow Requirements for Buildings

Section B105 – Fire-Flow Requirements for Buildings:

Section B105.1 shall be amended as follows:

Section B105.1 of Appendix B of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

Section B105.1 is amended as follows:

Exception: A reduction in required fire flow of 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system as long as the reduction in fire flow is not less than 1000 gallons per minute.

Section B105.2 – Buildings other than one and two family dwellings:

Section B105.2 of Appendix B of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

Section B105.2 is amended as follows:

Exceptions:

1. A reduction in required fire flow up to ~~75~~ 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Sections 903.3.1.1 or 903.3.1.2. The resulting fire flow shall not be less than 1,500

Appendix D – Fire Apparatus Access Roads

Section D103 – Minimum Specifications

Section D103.6.1 shall be amended as follows: Roads from 20 to 29 feet in width.

Section D103.6.1 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

D103.6.1 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 D103.6.2 shall be amended as follows: Roads from 30 to 35 feet in width.

Section D103.6.2 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

D103.6.2 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 D103.6.3 shall be added as follows: Roads 36 feet and greater in width.

Section D103.6.3 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

D103.6.3 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.

Section D104 – Commercial and Industrial Developments:

Section D104.3 shall be amended to read as follows:

Section 104.3 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climate, geological and topographical conditions:

Section 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 D107 - One- or two-family dwelling residential developments

Section D107.1 shall be amended to read as follows: One- or two-family dwelling residential developments.

Section D107.1 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

D107.1 One- or two-family dwelling residential developments: Developments of one- or two-family dwellings where the number of dwelling units exceed ~~30~~ 25 shall be provided with separate and approved fire apparatus access roads and shall meet the requirements of section D104.3.

Exceptions:

- ~~1. When there are more than 30 dwelling units on a single public or private apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with sections 903.3.1.1, 903.3.1.2 or 903.3.1.3, access from two directions shall not be required.~~
- ~~2. The number of dwelling units on a single fire apparatus access road shall be increased unless fire apparatus access roads will connect with future development, as determined by the fire code official.~~

Section 3. ESTABLISHING LIMITS:

That the geographic limits referred to in certain sections of the Fire Code of El Dorado County Fire Protection District are hereby established as follows:

Section 3204.2.9.6.1 - Geographic limits in which storage of flammable cryogenic fluids in stationary containers is prohibited:

The limits referred to in Section 3204.2.9.6.1 of the Fire Code of El Dorado County Fire Protection District in which storage of flammable cryogenic fluids in stationary containers is prohibited are hereby established as the limits of the El Dorado County Fire Protection District, 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.

Sections 3406.2.4.4 - Geographic limits in which flammable or combustible liquids in above-ground tanks outside of buildings is prohibited:

The limits, referred to in Sections 3406.2.4.4 of the Fire Code of El Dorado County Fire Protection District 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 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 3506.2 - Geographic limits in which flammable or combustible liquids in above-ground tanks is prohibited:

The limits, referred to in Sections 3506.2 of the Fire Code of El Dorado County Fire Protection District 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 El Dorado County Fire Protection District.

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 3804.2 - 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 3804.2 of the California Fire Code, in which storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is restricted, are hereby established as limits of the El Dorado County Fire Protection District, County of El Dorado.

1. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity in an Industrial Zone, 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 gallons 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.

Section 4: CONFLICT

That Ordinance No. 2007-01 of the El Dorado County Fire Protection District, 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 El Dorado County Fire Protection District 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 El Dorado County Fire Protection District 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 Board Secretary within fifteen (15) days after its passage and a certified copy shall be posted in the office of the El Dorado County Fire Protection District, pursuant to Government Code Section 36933(c) (1).

The above Ordinance was introduced at a meeting of the Board of Directors of the El Dorado County Fire Protection District on the 18th day of November, 2010 and it was then read for the first time. The Ordinance was read for the second time on the 8th day of December, 2010 and approved by the following vote:

PASSED AND ADOPTED by the Board of Directors of the
_____ this, _____ day of _____, 2010.

AYES: _____

NOES: _____

ABSENT: _____

ABSTAIN: _____

ATTEST:

Secretary to the Board of Directors

President to the Board of Directors

ORDINANCE NO. 2011-01
AN ORDINANCE OF EL DORADO COUNTY FIRE PROTECTION DISTRICT
"CALIFORNIA FIRE CODE" WITHIN EL DORADO COUNTY

BE IT ORDAINED BY THE EL DORADO COUNTY FIRE DISTRICT AS FOLLOWS:

An ordinance of the El Dorado County Fire Protection District adopting the 2010 edition of the California Fire Code, based upon the 2009 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 El Dorado County Fire Protection District; providing for the issuance of permits and collection of fees therefore; repealing Ordinance No. 2007-01 of the El Dorado County Fire Protection District and all other ordinances and parts of the ordinances in conflict therewith.

Section 1: ADOPTION OF CODE:

Section 2: CALIFORNIA FIRE CODE, AMENDMENTS:

Section 3: ESTABLISHING LIMITS:

Section 4: CONFLICT

Section 5: SEVERABILITY

Section 6: EFFECTIVE DATE AND PUBLICATION:

Section 1: ADOPTION OF CODE:

That a certain document, three (3) copies of which are on file in the office of the Secretary of the El Dorado County Fire Protection District Board, being marked and designated as the California Fire Code, 2010 edition, in its entirety, and the following International Fire Code Sections and Appendices not adopted by the State of California; 101.3, 103.1 thru 103.4.1, 104.1 thru 104.11.3, 106.1, 107.1 thru 107.6, 108.1 thru 108.3, 112, 113.1 thru 113.6.1, 303.1 thru 303.9, 305.1 thru 305.4, 307.1, thru 307.5, 308.1 thru 308.5, 408.1 thru 408.11.3, and Appendix D101, D103.1, D103.4, D103.5, D103.6, D105.1 thru D105.3, D107.1 F, and J, based on the 2009 edition of the International Fire Code as published by the International Code Council, be and is hereby adopted as the Fire Code of the El Dorado County Fire Protection District, 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 El Dorado County Fire Protection District 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 2 of this ordinance.

Section 2: California Fire Code, Chapter 1 Amendments – Scope and Administration:

The following Sections are hereby amended:

Section 105 - Permits

Section 105.6.26 is amended as follows: LP Gas.

Section 105.6.27 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

105.6.27 - LP Gas

1. Storage and use of LP-gas.

Exception: A permit is not required for individual containers with a ~~500~~ 100 gallon water capacity or less serving occupancies in Group R-3.

Section 109 - Violations

Section 109.3 is amended as follows: Violation penalties.

Section 109.3 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows:

Section 109.3 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, punishable by a fine of not more than \$1000.00 dollars 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 Orders

Section 111.4 is amended as follows: Failure to comply.

Section 111.4 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District 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 113.6 and 113.6.1 are added as follows: Fees.

Sections 113.6 and 113.6.1 of Chapter 1 of the Fire Code of the El Dorado County Fire Protection District 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 El Dorado County Fire Protection District 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 507 – Fire Protection Water Supplies

Sections 507.5.1 of Chapter 5 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows:

Section 507.5.1 is 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 than 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.

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

Section 604 - Emergency and Standby Power Systems

Sections 604.1 of Chapter 6 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows:

Section 604.1 is amended as follows:

Section 604.1 Installations. Emergency and standby power systems required by this code or the California Building Code shall be installed in accordance with this code, NFPA 110 and NFPA 111. All buildings, other than 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 is amended to read as follows:

Section 903.2 of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

~~903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12.~~

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:

- 1. One and two family dwelling units (R-3 Occupancies).**
- 2. Agricultural buildings not under Special Use Permit used for commercial purposes.**

Sections 903.2.a and 903.2.b are added to read as follows: Status of existing buildings.

Sections 903.2.a and 903.2.b of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District are added to read as follows, based on climatic, geological and topographical conditions:

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.

Section 903.2.8 is amended as follows: Group R Occupancies

Section 903.2.8.1 of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

Section 903.2.8.1 is added to read as follows:

Section 903.2.8.1 of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

903.2.8.1 Automatic sprinkler systems installed in Group R, Division 3 occupancies shall

conform to the following standards, in addition to NFPA Standard 13D, 2010 edition:

1. An interior horn/strobe shall be mounted in a central location audible from the master bedroom upon activation of a flow switch mounted/installed at the sprinkler riser.
 - a. Alternative to interior horn/strobe: An acceptable alternative to the interior horn/strobe is to interconnect the flow switch hardwired smoke detectors. Upon activation of the flow switch, all smoke detectors shall sound.
2. All automatic sprinkler systems shall be hydraulically designed and the plans and hydraulic calculations stamped by a California licensed C-16 fire protection contractor or a Professional Engineer.

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):

<u>903.2.1.1</u>	<u>Group A-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.1.2</u>	<u>Group A-2.</u>	<u>Change 5,000 square feet to 3,600 square feet.</u>
<u>903.2.1.3</u>	<u>Group A-3.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.1.4</u>	<u>Group A-4.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.2.1</u>	<u>Group B.</u>	<u>All Group B occupancies over 3,600 square feet.</u>
<u>903.2.3</u>	<u>Group E.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.4</u>	<u>Group F-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.7</u>	<u>Group M.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.9</u>	<u>Group S-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.10</u>	<u>Group S-2.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>

Section 907 – Fire Alarm and Detection Systems

Sections 907.2.a, 907.2.b, and 907.2.c are added to read as follows:

Sections 907.2.a, 907.2.b and 907.2.c of Chapter 9 of the Fire Code of the El Dorado County Fire Protection District are added to read as follows, based on climatic, geological and topographical conditions:

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)
2. Agricultural buildings not under Special Use Permit used for commercial purposes.
3. 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.

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. 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.

California Fire Code, Chapter 33 Amendments – Explosives and Fireworks

Section 3301.2 is added as follows: Where explosives permits required.

Section 3301.2 of Chapter 33 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3301.2 – Explosives Permits. Where explosives permits are required, they shall be issued by the Fire Chief and the El Dorado County Sheriff's Department.

Section 3308.2 is added as follows: Where fireworks permits required.

Section 3308.2 of Chapter 33 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3308.2 – Fireworks Permits. 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 38 Amendments – Liquefied Petroleum Gases

Table 3804.3 Footnote "d" is amended to read as follows:

Table 3804.3 Footnote "d" of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

3804.3 Footnote "d" - 500 gallons becomes 250 gallons. Installation of DOT tanks, with setbacks from structures less than 10 feet, must be approved by the AHJ.

Section 3812 is added as follows: High Altitude Liquefied Petroleum Gas Installations (4,000' and Above).

Section 3812.1 is added as follows: Regulators.

Section 3812.1 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.1 Regulators. Two-stage regulator system shall be installed in accordance with manufacturer requirements.

1. First stage regulator and connecting pigtail shall be installed under a protective valve cover on the tank. The mounting position of the first stage regulator shall be listed for this application.

Section 3812.2 is added as follows: Vertical Yard Riser Piping.

Section 3812.2 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.2 Vertical Riser Piping.

1. Minimum of Schedule 40-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.)
4. 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 3812.3 is added as follows: Second Stage Regulators.

Section 3812.3 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.3 Second Stage Regulators.

1. The riser and second stage regulator shall be installed on the gable end of the building as close as practical to the building wall.

Exception: If not feasible due to structural or topographical constraints.

2. The riser shall be equipped with a listed gas shut off valve prior to the second stage regulator.

3. A protective cover shall be installed over the second stage regulator and meter (if installed) at the building. The minimum design for the protective cover and support structure shall be equal to or greater than the building design load as determined by the Building Department. The support structure shall be securely attached to the building wall or ground surface.

4. Riser piping shall not be embedded in asphalt or concrete.

Exception: If 1 inch of annular clearance is maintained from all side of the piping.

Section 3812.4 is added as follows: Markings and Locations.

Section 3812.4 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

3812.4 Marking and Locations.

1. An approved sign shall be located directly above the riser shut off valve on the

building in a visible location.

2. 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 3813 is added to read as follows: Underground Liquefied Petroleum Gas Tank Installations.

Section 3813.1 of Chapter 38 of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

Section 3813.1 is added to read as follows: Permits and Plans.

3813.1 - Permits and Plans. Permits shall be required and plans shall be submitted for all underground tank installations and approved by the AHJ.

Appendix B – Fire Flow Requirements for Buildings

Section B105 – Fire-Flow Requirements for Buildings:

Section B105.1 shall be amended as follows:

Section B105.1 of Appendix B of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

Section B105.1 is amended as follows:

Exception: A reduction in required fire flow of 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system as long as the reduction in fire flow is not less than 1000 gallons per minute.

Section B105.2 – Buildings other than one and two family dwellings:

Section B105.2 of Appendix B of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

Section B105.2 is amended as follows:

Exceptions:

1. A reduction in required fire flow up to ~~75~~ 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Sections 903.3.1.1 or 903.3.1.2. The resulting fire flow shall not be less than 1,500

Appendix D – Fire Apparatus Access Roads

Section D103 – Minimum Specifications

Section D103.6.1 shall be amended as follows: Roads from 20 to 29 feet in width.

Section D103.6.1 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

D103.6.1 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 D103.6.2 shall be amended as follows: Roads from 30 to 35 feet in width.

Section D103.6.2 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

D103.6.2 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 D103.6.3 shall be added as follows: Roads 36 feet and greater in width.

Section D103.6.3 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

D103.6.3 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.

Section D104 – Commercial and Industrial Developments:

Section D104.3 shall be amended to read as follows:

Section 104.3 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climate, geological and topographical conditions:

Section 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 D107 - One- or two-family dwelling residential developments

Section D107.1 shall be amended to read as follows: One- or two-family dwelling residential developments.

Section D107.1 of Appendix D of the Fire Code of the El Dorado County Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

D107.1 One- or two-family dwelling residential developments: Developments of one- or two-family dwellings where the number of dwelling units exceed ~~30~~ 25 shall be provided with separate and approved fire apparatus access roads and shall meet the requirements of section D104.3.

Exceptions:

- ~~1. When there are more than 30 dwelling units on a single public or private apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with sections 903.3.1.1, 903.3.1.2 or 903.3.1.3, access from two directions shall not be required.~~
- ~~2. The number of dwelling units on a single fire apparatus access road shall be increased unless fire apparatus access roads will connect with future development, as determined by the fire code official.~~

Section 3. ESTABLISHING LIMITS:

That the geographic limits referred to in certain sections of the Fire Code of El Dorado County Fire Protection District are hereby established as follows:

Section 3204.2.9.6.1 - Geographic limits in which storage of flammable cryogenic fluids in stationary containers is prohibited:

The limits referred to in Section 3204.2.9.6.1 of the Fire Code of El Dorado County Fire Protection District in which storage of flammable cryogenic fluids in stationary containers is prohibited are hereby established as the limits of the El Dorado County Fire Protection District, 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.

Sections 3406.2.4.4 - Geographic limits in which flammable or combustible liquids in above-ground tanks outside of buildings is prohibited:

The limits, referred to in Sections 3406.2.4.4 of the Fire Code of El Dorado County Fire Protection District 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 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 3506.2 - Geographic limits in which flammable or combustible liquids in above-ground tanks is prohibited:

The limits, referred to in Sections 3506.2 of the Fire Code of El Dorado County Fire Protection District 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 El Dorado County Fire Protection District.

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 3804.2 - 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 3804.2 of the California Fire Code, in which storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is restricted, are hereby established as limits of the El Dorado County Fire Protection District, County of El Dorado.

1. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity in an Industrial Zone, 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 gallons 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.

Section 4: CONFLICT

That Ordinance No. 2007-01 of the El Dorado County Fire Protection District, 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 El Dorado County Fire Protection District 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 El Dorado County Fire Protection District 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 Board Secretary within fifteen (15) days after its passage and a certified copy shall be posted in the office of the El Dorado County Fire Protection District, pursuant to Government Code Section 36933(c) (1).

The above Ordinance was introduced at a meeting of the Board of Directors of the El Dorado County Fire Protection District on the 18th day of November, 2010 and it was then read for the first time. The Ordinance was read for the second time on the 8th day of December, 2010 and approved by the following vote:

PASSED AND ADOPTED by the Board of Directors of the
El Dorado Co. Fire Dist. this, 8th day of December, 2010.

AYES: Mabach, Johnson, Rose, Courteel, Edwards

NOES: none

ABSENT: none

ABSTAIN: none

ATTEST:

Sheyl Calfee

Secretary to the Board of Directors

[Signature]

President to the Board of Directors