



RANCHO SANTA FE FIRE PROTECTION DISTRICT BOARD OF DIRECTORS MEETING AGENDA

Rancho Santa Fe FPD
Board Room – 18027 Calle Ambiente
Rancho Santa Fe, California 92067

September 21, 2022
1:00 pm PT
Regular Meeting

THIS BOARD OF DIRECTORS MEETING WILL BE CONDUCTED VIA TELECONFERENCE

Pursuant to Governor Newsom's [Executive Orders N-25-30](#), issued on March 12, 2020 and [N-33-20](#) issued on March 19, 2020: members of the Rancho Santa Fe Fire Protection District Board of Directors and staff may participate in this meeting via teleconference. In the interest of reducing the spread of COVID 19, members of the public are encouraged, but not required, to submit comments via email. Those attending the meeting in person will be required to maintain appropriate social distancing.

Public Comment: to submit a comment in writing, please email caccavo@rsf-fire.org and write "Public Comment" in the subject line. In the body of the email include the item number and/or title of the item as well as your comments. If you would like the comment to be read out loud at the meeting (not to exceed five minutes), please write "Read Out Loud at Meeting" at the top of the email. All comments received by 11:00 am will be emailed to the Board of Directors and included as "Supplemental Information" on the District's website prior to the meeting. Any comments received after 11:00 am will be added to the record and shared with the members of the Board at the meeting.

Americans with Disabilities Act: If you need special assistance to participate in this meeting, please contact the Board Clerk 858-756-5971 ext. 6005. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to assure accessibility to the meeting.

Rules for Addressing Board of Directors: Members of the audience who wish to address the Board of Directors are requested to complete a form near the entrance of the meeting room and submit it to the Board Clerk. Any person may address the Board on any item of Board business or Board concern. The Board cannot take action on any matter presented during Public Comment, but can refer it to staff for review and possible discussion at a future meeting. As permitted by State Law, the Board may take action on matters of an urgent nature or which require immediate attention. The maximum time allotted for each presentation is FIVE (5) MINUTES.

Agendas: Agenda packets are available for public inspection 72 hours prior to scheduled meetings at the Administrative Manager's office located at 18027 Calle Ambiente, Suite 101, Rancho Santa Fe, CA during normal business hours. Packet documents are also posted online at www.rsf-fire.org

Rancho Santa Fe Fire Protection District Board of Directors

Regular Meeting



September 21, 2022

Call to Order

Pledge of Allegiance

Roll Call

1. Special Presentation
 - a. Administrative Staff Recognition
 - b. Coastal Conservancy Grant [Staff Report 22-14](#)
 - c. Rancho Santa Fe Fire District Foundation presentation
 - i. Check presentation for funds accepted at the August 25, 2022 board meeting (Staff Report 22-11)

2. Motion waiving reading in full of all Resolutions/Ordinances

All items listed on the Consent Calendar are considered routine and will be enacted by one motion without discussion unless Board Members, Staff or the public requests removal of an item for separate discussion and action. The Board of Directors has the option of considering items removed from the Consent Calendar immediately or under Unfinished Business.

3. Consent Calendar
 - a. Board of Directors Minutes
 - Board of Directors minutes of August 2022ACTION REQUESTED: **Approve**
 - b. Receive and File
 - Monthly/Quarterly Reports
 - (1) List of Demands Check 35362 thru 35516, Electronic File Transfers (EFT), and Wire Transfer(s) for the period August 2022 totaling: \$ 313,200.29
 - Wire Transfer(s) period August 2022 \$ 250,334.27
 - Payroll for the period August 2022 \$ 735,698.34
 - TOTAL DISTRIBUTION \$1,299,232.90
 - (2) Grant Update
 - (3) Activity Reports – August 2022
 - (a) Operations
 - (b) Training
 - (c) Fire Prevention
 - (d) Correspondence - letters/cards were received from the following members of the public:
 - (i) None
ACTION REQUESTED: **Information**

4. Public Comment

Rancho Santa Fe Fire Protection District Board of Directors

Regular Meeting



September 21, 2022

5. Old Business
 - a. None
6. Resolution/Ordinance
 - a. Ordinance No. 2023-01
To introduce the amended Fire Code Ordinance No. 2023-01 – *entitled* an Ordinance of the Rancho Santa Fe Fire Protection District Which Adopts the 2022 California Fire Code and the 2021 International Fire Code with Certain Amendments, Additions and Deletions [Staff Report 22-15](#)
ACTION REQUESTED: **Schedule public hearing and final adoption, or a second reading**
 - b. Resolution No. 2022-23
To discuss and/or adopt a Resolution *entitled* a Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Acknowledging Receipt of a report made by the Fire Chief Regarding Required Inspection of Certain Occupancies Pursuant Section 13146.2 and 13146.3 of the California Health and Safety Code. [Staff Report 22-16](#)
ACTION REQUESTED: **Adopt**
 - c. Resolution No. 2022-24
To discuss and/or adopt a Resolution *entitled* A Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Establishing Salaries and Benefits for Management Personnel. [Staff Report 22-17](#)
ACTION REQUESTED: **Adopt**
7. New Business
 - a. Policy Consent
Board Policy 3035 – Investment of District Funds
To discuss and/or ratify the District policy updating the investment policy of the District. [Staff Report 22-18](#)
ACTION REQUESTED: **Ratify board policy**
8. Oral Report
 - a. Fire Chief
 - b. Operations
 - c. Training
 - d. Fire Prevention
 - e. Manager of Finance & Administration
 - c. Board of Directors
 - North County Dispatch JPA – Update
 - County Service Area – 17 – Update
 - Comments
1. Closed Session
 - a. With respect to every item of business to be discussed in closed session pursuant to Section 54957.6:
CONFERENCE WITH LABOR NEGOTIATORS
Agency Negotiators: Jim Ashcraft, Randy Malin, and assigned Staff

Rancho Santa Fe Fire Protection District Board of Directors

Regular Meeting



September 21, 2022

Represented Employees: Rancho Santa Fe Professional Firefighters Association – Local 4349
Represented Employees: Rancho Santa Fe Miscellaneous Employees
Unrepresented Employees: Deputy Chief, Battalion Chiefs (4), Manager, Finance & Administration, Fire Marshal
Under Negotiation: Side Letter/ Addendum Memorandum of Understanding and/or Compensation Resolution

2. Adjournment

The next regular meeting Board of Directors meeting to be October 19, 2022 in the Board Room located at 18027 Calle Ambiente, Rancho Santa Fe, California. The business meeting will commence at 1:00 p.m.

CERTIFICATION OF POSTING

I certify that on September 16, 2022 a copy of the foregoing agenda was posted on the District's website and near the meeting place of the Board of Directors of Rancho Santa Fe Fire Protection District, said time being at least 72 hours in advance of the meeting of the Board of Directors (Government Code Section 54954.2)

Executed at Rancho Santa Fe, California on September 16, 2022

Alicea Caccavo
Board Clerk

STAFF REPORT

22-14

TO: BOARD OF DIRECTORS
DAVID MCQUEAD, FIRE CHIEF

FROM: CONOR LENEHAN, DEPUTY FIRE MARSHAL

SUBJECT: COASTAL CONSERVANCY GRANT

DATE: SEPTEMBER 15, 2022



RECOMMENDATION:

Staff recommends the Board of Directors review and approve the Coastal Conservancy Grant and its in-kind contributions.

BACKGROUND:

In 2021, the City of Escondido Fire Department reached out to the City of San Marcos Fire Department and the Rancho Santa Fe Fire Protection District (RSFFPD) on a joint CALFIRE Fire Prevention Grant opportunity. At the suggestion of RSFFPD, we decided to get Urban Corp of San Diego County involved with the grant application and as a non-profit agency that could complete the work. Unfortunately, we were unsuccessful in securing funding for that year.

This past year, Urban Corps of San Diego County revised the original grant and applied for a grant thru the Coastal Conservancy. They were awarded \$325,864.00 that would be used for 100 feet of defensible space and 20 feet of roadway thinning. The project areas were determined by both the City of San Marcos Fire Department, City of Escondido Fire Department and RSFFPD.

All finances and labor will be conducted by Urban Corp of San Diego with small in-kind matches being provided by both the City of San Marcos Fire Department and RSFFPD. Both agencies have agreed to pay for some dumpsters and toilets for the crews as work progresses and final dollar values have not been determined at this time.

The anticipated start date is in January 2023 and will take roughly three (3) years to complete.

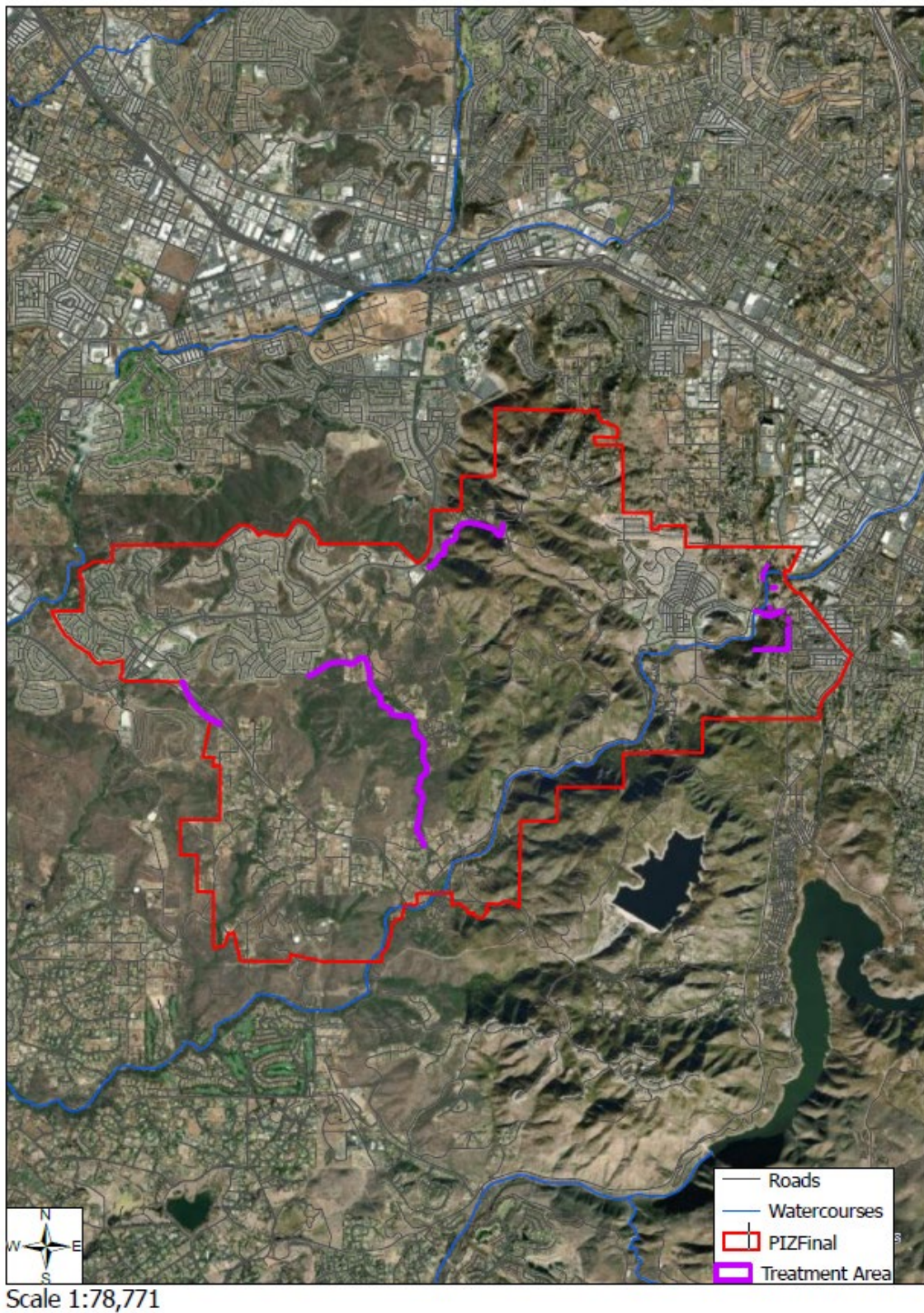
CURRENT SITUATION:

As it stands, the majority of project areas established in the scope of work have not been adequately maintained over the years and some areas appear to have never been thinned. This grant will afford residents a financial break and will decrease the amount of fuels in some targeted areas. Efforts will be focused on thinning out vegetation by 50% minimum within 20 feet of Harmony Grove Village Parkway, Harmony Grove Road, Johnston Road, Questhaven Road, Elfin Forest Road, Attebury Drive and Attebury Road. All of these roads have been selected because of their importance in evacuation efforts or because they have life safety implications for those residents living on them. The grant will also provide a community of fifteen (15) homes

in Escondido with 100 feet of defensible space. In addition, that fuel modification will reduce the amount of vegetation cover used by local transients and mitigate the increased potential for a wildfire due to warming fires and or reckless burning.

This grant will have mutual benefits for all agencies involved and will further increase the safety of residents we all serve.

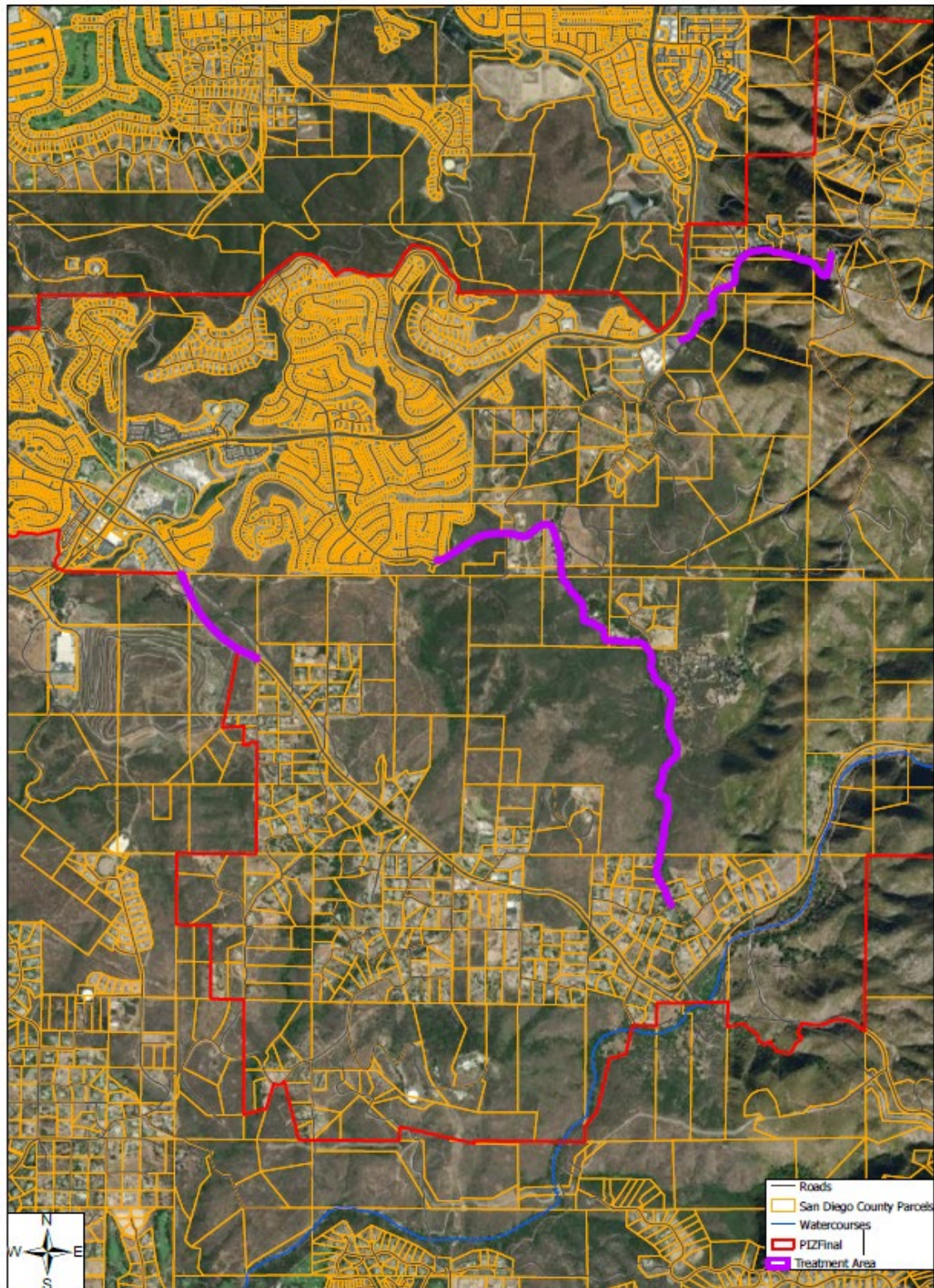
Escondido, San Marcos and Rancho Santa Fe Fire Prevention Project Overview



Escondido, San Marcos, and Rancho Santa Fe Fire Prevention
Focus Map-Escondido/Harmony Grove Project Area



Escondido, San Marcos, and Rancho Santa Fe Fire Prevention
Focus Map-Escondido/Harmony Grove Project Area



Scale 1:38,982

Rancho Santa Fe Fire Protection District

Regular Board of Directors Meeting

Minutes August 25, 2022



These minutes reflect the order in which items appeared on the meeting agenda and do not necessarily reflect the order in which items were considered.

President Ashcraft called to order the regular session of the Rancho Santa Fe Fire Protection District Board of Directors at 1:07 pm.

Pledge of Allegiance

Deputy Fire Chief Brian Slattery led the assembly in the Pledge of Allegiance.

Roll Call

Directors Present: Ashcraft, Malin, Stine, Tanner

Directors Delayed: Hillgren

Staff Present: Fire Chief Dave McQuead; Deputy Chief Brian Slattery; Manager, Finance & Administration/Board Clerk Alicea Caccavo

Staff Delayed: Fire Marshal Marlene Donner

1. Special Presentations

a. San Diego Regional Fire Foundation (SDRFF) Grant

Presentation of \$3,000 donation towards the District's mental wellness. Staff Report 22-08

Director Ashcraft introduced Joan Jones and Frank Ault of the SDRFF and Fire Chief McQuead informed the Board that they were here to donate \$3000 to the mental wellness of the staff. He explained the importance of the collaboration with SDRFF and the District to purchase auto extrication and brush jackets with grant funds.

2. Motion waiving reading in full of all Resolutions/Ordinances

MOTION BY DIRECTOR MALIN, SECOND BY DIRECTOR TANNER, and CARRIED 4 AYES; 0 NOES; 1 ABSENT; 0 ABSTAIN to waive reading in full of all resolutions and/or ordinances.

3. Consent Calendar

MOTION BY DIRECTOR MALIN, SECOND BY DIRECTOR STINE, and CARRIED 4 AYES; 0 NOES; 1 ABSENT; 0 ABSTAIN to accept the consent calendar as presented.

a) Board of Directors Minutes

i) Board of Directors minutes of July 2022

b) Receive and File

i) Monthly/Quarterly Reports

(1) List of Demands Check 35241 through 35361, Electronic File Transfers (EFT), and Wire Transfer(s) for the period July 1 – 31 totaling:	\$ 742,043.44
Wire Transfer(s) period July 1 – 31	\$1,104,407.42
Payroll for the period July 1 – 31	\$ 695,665.78

TOTAL DISTRIBUTION \$2,542,116.64

(2) Financial Statements month end June 30, 2022

(3) Grant Re-cap

(4) Activity Reports – July 2022

(a) Operations

- (b) Training
- (c) Fire Prevention - None
- (d) Correspondence - letters/cards were received from the following members of the public:
 - (i) None

c) Sale of Assets

To review the previous sale of staff vehicle (No. 1481) deemed as surplus which was sold on July 18th. Staff Report 22-09

Manager Caccavo reported that this is for information only as the vehicle had already been sold.

MOTION BY DIRECTOR MALIN, SECOND BY DIRECTOR STINE, and CARRIED 4 AYES; 0 NOES; 1 ABSENT; 0 ABSTAIN to accept the receipt and disposal of the vehicle sold.

4. Public Comment

None

1:24pm Hillgren arrives

5. Public Hearing

a. Final Budget Fiscal Year 2022/2023

To call for any taxpayer to appear and be heard regarding the increase, decrease or omission of any budget item, or for the inclusion of additional items prior to adoption by the Board of Directors

President Ashcraft opened and closed the public hearing. Manager Caccavo informed the Board that she had not received any written correspondence regarding the final budget.

1:31pm Donner arrives

6. Old Business

a. Final Budget FY 2022/23

To discuss and/or approve Final Budget Final Budget Booklet

Director Malin advised the Board that there are two (2) major items that defy historical trends as it relates to the budget. Manager Caccavo went over the changes from the preliminary to the final budget summarized on page 20 of the proposed final budget. Manager Caccavo and Finance Committee member Director Malin explained the new reserve funding philosophy and the anomaly of the increase in the county's assessed valuations. She and Director Malin responded to questions from the board.

MOTION BY DIRECTOR STINE, SECOND BY DIRECTOR MALIN, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to approve Fiscal Year 2022/2023 Budget as presented; resolution to be adopted.

b. CalPERS Funding Status Target

To discuss and/or authorize a percentage target for CalPERS Safety and Miscellaneous Plans. Staff Report 22-10, Exhibit A

Manager Caccavo reported that the CalPERS increase in funding status for this year will be significantly decreased in the next valuation reports. Finance Committee is looking to memorialize the strategy for direction to the staff. Currently, 28% are PEPRAs members and 62% are Classic for the Safety staff.

MOTION BY DIRECTOR MALIN, SECOND BY DIRECTOR STINE, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to authorize a funding status target of 93% for the CalPERS plans.

7. **New Business**

a. **Acceptance of Grant Funds**

Fire Chief McQuead summarized Staff Report 22-11, regarding a resident had donated \$50,000 to the Rancho Santa Fe Fire District Foundation specifically for purchase of a set of Hurst E-Hydraulic Extrication Tools.

MOTION BY DIRECTOR HILLGREN, SECOND BY DIRECTOR STINE, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to accept the grant funds.

b. **Authorize Purchase of Apparatus**

To discuss and/or authorize the Fire Chief to purchase one (1) Rescue All-Terrain Vehicle and transport trailer for Station #6. Staff Report 22-12

Fire Chief McQuead reported that the Apparatus Committee found this vehicle intended for Station 6 to respond to trail rescues. Chief McQuead and Deputy Chief Slattery answered questions from the Board.

MOTION BY DIRECTOR HILLGREN, SECOND BY DIRECTOR STINE, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to authorize the Fire Chief to purchase a new type 6 apparatus for Station 6.

8. **Resolution/Ordinance**

a. **Resolution No. 2022-20**

To discuss and/or adopt resolution 2022-20 *entitled* A Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Amending the Fair Political Practices Commission's Standard Conflict of Interest Code and Candidate Disclosure Statement and Repealing Resolution No. 2018-13. Staff Report 22-13

Manager Caccavo informed the Board that the District's Conflict of Interest Code requires a biennial review, which updates the designated positions within the District. Manager Caccavo reported the only change was to update the designated position to reflect the title change from Administrative Manager to Manager of Finance & Administration.

MOTION BY DIRECTOR STINE, SECOND BY DIRECTOR HILLGREN, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to ADOPTED Resolution No. 2022-20 *entitled* A Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Amending the Fair Political Practices Commission's Standard Conflict of Interest Code and Candidate Disclosure Statement and Repealing Resolution No. 2020-10.

b. **Resolution No. 2022-21**

To discuss and/or adopt Resolution No. 2022-21 *entitled* a Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Classifying the Various Components of Fund Balance as Defined in Governmental Accounting Standards Board Statement No. 54 and Establishing a Reserve Balance Guideline for the Fiscal Year 2022/2023. Exhibit A

Manager Caccavo reported that this resolution depicts the different fund balances and the designated fund reserves. This will be an annual item moving forward. Manager Caccavo answered questions from the Board.

MOTION BY DIRECTOR TANNER, SECOND BY DIRECTOR MALIN, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to ADOPTED Resolution No. 2022-21 *entitled* a Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Classifying the Various Components of Fund Balance as Defined in Governmental Accounting Standards Board Statement No. 54 and Establishing a Reserve Balance Guideline for the Fiscal Year 2022/2023.

c. Resolution No. 2022-22

To discuss and/or adopt Resolution No. 2022-22 *entitled* a Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Adopting the Final Budget for Fiscal Year 2022/2023.

Manager Caccavo informed the Board that having approved the Budget this resolution will formally adopt the budget.

MOTION BY DIRECTOR MALIN, SECOND BY DIRECTOR STINE, and CARRIED 5 AYES; 0 NOES; 0 ABSENT; 0 ABSTAIN to ADOPTED Resolution No. 2022-22 *entitled* a Resolution of the Board of Directors of the Rancho Santa Fe Fire Protection District Adopting the Final Budget for Fiscal Year 2022/2023 by a roll call vote:

AYES:	Ashcraft, Hillgren, Malin, Stine, Tanner
NOES:	None
ABSTAIN:	None
ABSENT:	None

9. Oral Report

a. Fire Chief:

Fire Chief McQuead praised the Admin and Prevention staff for all their hard work; the atmosphere in the office has been great. Chief reported that he recently attended the California Fallen Firefighters Memorial recognizing the Line of Duty Deaths. Captain Chris Mertz's name is now on the wall in Capital Park in Sacramento, CA; very moving event and good to see the Mertz family.

b. Operations:

Deputy Chief Slattery reported that the District lost a valued member of the team as Chief Thompson has moved to Hawaii. Battalion Chief Sherwood's wife took her life recently; all the staff worked together to support him and his family. Chief Slattery reported that Chief Bennett will be taking over the role of Training Officer. The District sent a conditional offer for another Battalion Chief to Greg O'Gorman from Alpine Fire, anticipated start date is September 16, 2022. Four great recruits going through the academy and will start on the floor September 3rd; all vacancies have now been filled. Call volume was 386; 235 were medical calls; fuel moisture below 40%. Chief Slattery reported on recent incidents.

c. Training:

Chief Slattery, reporting for the Training Officer, informed the board Ian O'Connor and Justin Cloyd promoted to Engineer. Training events: Live fire training, auto extrication, combo drills, wildland, medical and stimulation tests. Multi-company structure fire training led by Battalion Chief Mickelson. New software called Check It has been implemented.

d. Fire Prevention:

Fire Marshal Donner reported that the code adoption will be put in front of the Board at the September meeting; she reported on the changes to the codes. She informed the Board that the District did not declare the entire District a high fire severity zone and explained the ramifications. Landscaping section now added to the code. Cell towers at Station 1 & 6 had plans approved by the County that were not approved by the District working to get those plans prior to work at the Stations. County Fire Authority working with the County to ensure interest on the Fire Mitigation Funds go to the District since it is accounted quarterly. Large animal evacuations working with county on Sage Hills to clean up the arenas; District to attend Town Hall in Elfin Forest/Harmony Grove. Staff executed 96 plan reviews; 72 construction inspections and 644 weed abatement inspections.

e. Finance/Human Resources/Clerk of the Board:

Manager Caccavo reported that Staff is working on audit prep. Manager Caccavo informed the Board that staff has been working so hard with all the changes in Admin, in addition to taking on roles within the groups affiliations, such as CalChief's Administrative Section and San Diego County Fire Chief's Association. Board has asked to have Staff come to the next meeting.

f. Board of Directors:

- i) North County Dispatch JPA – *Director Ashcraft reported that Chris Herron received a salary increase; Vista and RSFFPD were the only agencies to give employees an inflation payment; Chief McQuead will be sitting on the board of the dispatchers negotiations; several dispatchers conveyed their appreciation for Chief Slattery in his new role.*
- ii) County Service Area – 17 – *Chief Twohy and Chief Slattery attended and reported finances are strong; transports are up; form a finance committee to look at the reserve policy currently at 50%; transfer of care time may increase due to the nurse going to sign off; AB 361 may sunset in January; CSA-17 contract closed the first of August, no new provider identified yet; medical aid at Fiesta Del Sol took 35 minutes – looking into the day for next meeting.*
- iii) Director Comments –
 - (1) Malin: *104 year old Irene Perry passed away; flooding in Texas created a two mile wide Trinity River; recent article regarding turnouts and their cancer agents – the District has had training and awareness on what not to do and cleaning procedures.*
 - (2) Stine: *Election candidacy deadline passed and there will be no opposition to incumbents Stine and Tanner.*
 - (3) Tanner: *Impressed with Staff at the Administrative office and the positivity; Director Tanner brought picture of him and Tom Mitchell as fire pilots.*
 - (4) Hillgren: *Requested on how the District handles wellness testing – the District tests each year. Interested in new ambulance provider Faulk and how they are perceived – CSA-17 ambulances were covering for Faulk for a time but not recently. How many fire aircraft in the San Diego area – 1 helitanker, 2 blackhawks, 2 type III helicopters and a helitanker, C-130 coming soon.*

3:41pm Adjourned to Closed Session

10. Closed Session

- a. With respect to every item of business to be discussed in closed session pursuant to Section 54957.6:
CONFERENCE WITH LABOR NEGOTIATORS
Agency Negotiators: Jim Ashcraft, Randy Malin, and assigned Staff
Represented Employees: Rancho Santa Fe Professional Firefighters Association – Local 4349
Represented Employees: Rancho Santa Fe Miscellaneous Employees
Unrepresented Employees: Deputy Chief, Battalion Chiefs (4), Manager, Finance & Administration, Fire Marshal
Under Negotiation: Side Letter/ Addendum Memorandum of Understanding and/or Compensation Resolution

All board members listed and Chief McQuead, Deputy Chief Slattery, Manager Caccavo attended and participated in this discussion.

4:00pm Stine departed

4:05pm Reconvened to Open Session

Upon reconvening to open session, President Ashcraft announced that direction was given to the District's Agency Negotiators.

11. Adjournment

Meeting adjourned at 4:06 pm.

{SIGNATURES NEXT PAGE}

Alicea Caccavo
Board Clerk

James H. Ashcraft
President

Check No.	Amount	Vendor	Purpose
35362	\$585.13	Cintas Corporation No 2	Foam and Extinguishers
35363	\$182.85	Day Wireless Systems Inc	Radio
35364	\$887.50	NCDJPA	Computer Tablet Command - FY22 Rebills
35365	\$6,258.93	U S Bank Corporate Payment System	Cal-Card./IMPAC program
35366	\$2,700.00	Across the Street Productions	Subscriptions
35367	\$542.00	APCD	Permits
35368	\$386.72	AT&T Calnet 2/3	Utilities: Admin, RSF1, RSF3
35369	\$3,715.00	Build Masters Construction	Building: RSF6
35370	\$3,068.00	C.A.P.F.	Disability Ins Short & Long
35371	\$1,100.00	CCAI	FP - Local Conference/Seminars; Subscriptions
35372	\$1,113.00	Concentra	Wellness Services
35373	\$3,321.50	County of SD/RCS	800 MHz Network Admin Fees
35374	\$552.23	Cox Communications	Utilities: RSF5
35375	\$99.99	CrewSense, LLC	Scheduling (Crewsense)
35376	\$325.36	Diamond Environmental Svcs, LP	Building RSF6
35377	\$2,408.93	Direct Energy Business-Dallas	Utilities: RSF1, RSF5, RSF6
35379	\$6,877.14	Spot On Stitching	Uniforms
35380	\$1,764.45	FailSafe Testing	Ladder Testing
35381	\$160.00	Government Finance Officers Associat	Subscriptions
35382	\$195.55	HANNA PLUMBING & SUPPLY INC	Building: RSF4
35383	\$4,205.00	Liebert Cassidy Whitmore	Subscriptions
35384	\$10,266.78	MES California	SCBA; Fire Hose
35385	\$248.89	Olivenhain Municipal Water District	Utilities: RSF5
35386	\$2,393.55	Parkhouse Tire, Inc.	Apparatus
35387	\$182.19	Race Telecommunications, Inc	Utilities: RSF1
35388	\$510.60	Rincon Del Diablo Municipal Water Di	Utilities: RSF5
35389	\$120.00	RSF Mail Delivery Solutions	Office Supplies
35390	\$2,104.62	SC Commercial LLC	Fuel: Gasoline & Diesel
35391	\$1,107.59	SDG&E	Utilities: RSF3, RSF6
35392	\$400.00	Streamline	Website Redesign
35393	\$4,032.95	TargetSolutionsLearning LLC	Subscriptions
35394	\$43.90	Thompson, Cole T.	Meetings/M meal Expenses
35395	\$12,572.42	U S Bank Corporate Payment System	Cal-Card./IMPAC program
35396	\$2,297.50	Waste Management Inc	Utilities: RSF1, RSF2, RSF3, RSF4
35398	\$389.00	U S Postal Service - Postmaster	Office Supplies
35399	\$352.54	Blend	Outside Printing & Binding

Check No.	Amount	Vendor	Purpose
35400	\$250.00	Martinez, Abel	CSA-17 Contract
35402	\$996.91	SDG&E	Utilities: RSF6
35403	\$6,161.21	Star Flooring & Remodel	RSF6 Remodel
35404	\$21.99	4S Ranch Gasoline & Carwash LP	Apparatus
35405	\$925.00	Accme Janitorial Service Inc	Building: Admin
35406	\$346.50	Across the Street Productions	Subscriptions
35407	\$512.50	Air Control Systems, Inc.	Building: RSF4
35408	\$132.70	Airgas Inc	SCBA
35409	\$1,075.30	American Medical Response Inc	CSA-17 Contract
35410	\$64.20	AT&T	Utilities: RSF6
35411	\$1,696.40	AT&T Calnet 2/3	Utilities: Admin, RSF2, RSF3, RSF4, RSF6
35412	\$804.31	Blend	Outside Printing & Binding
35413	\$44,860.00	Build Masters Construction	RSF6 Remodel
35414	\$41.37	Charter Communications Holdings, LLC	Utilities: RSF4
35415	\$250.00	Connelly, Alec	CSA-17 Contract
35416	\$359.04	COR Security Inc	Building: All Stations
35417	\$573.23	Fire Smart Promotions	Public Education Material
35418	\$1,860.00	Fitch Law Firm Inc	Legal Services
35419	\$183.75	Griffin Hardware Co.	Furnishings, Equipment
35420	\$2,075.49	Home Depot, Inc	Building: Admin, RSF1, RSF5; Minor Equipment; Prevention Supplies
35421	\$525.00	K & M Pest Solutions	Building: Admin, All Stations
35422	\$135.82	Konica Minolta Business Inc	Copier Maintenance Contract
35423	\$60.46	Napa Auto Parts Inc	Apparatus
35424	\$6,373.37	Parkhouse Tire, Inc.	Apparatus
35425	\$1,342.00	Robert Half International	Temporary Labor
35427	\$631.21	Santa Fe Irrigation District	Utilities: RSF1
35428	\$4,506.99	SC Commercial LLC	Fuel: Gasoline & Diesel
35429	\$247.53	SDG&E	Utilities: RSF5
35430	\$2,237.76	ThyssenKrupp Elevator Inc	Elevator Repair
35431	\$695.57	TPX	Utilities: Admin
35432	\$346.50	Across the Street Productions	Subscriptions
35433	\$1,202.00	BW Printworks	Outside Printing & Binding
35434	\$1,680.00	CDW Government Inc.	Computer
35435	\$442.22	Charter Communications Holdings, LLC	Utilities: Admin
35436	\$7,744.30	Eide Bailly LLP	Consulting Services - Financial
35437	\$8,016.60	Fire ETC Inc	Foam and Extinguishers

Check No.	Amount	Vendor	Purpose
35438	\$213.75	Global Door & Gate Inc.	Building: RSF2
35439	\$254.77	Jauregui & Culver Inc	Generator
35440	\$424.23	Lincoln National Life Ins Co	Life Insurance/EAP
35441	\$1,700.00	Police & Fire Psychology, APC	Background Investigations
35442	\$1,342.00	Robert Half International	Temporary Labor
35443	\$2,266.73	SC Commercial LLC	Fuel: Gasoline & Diesel
35444	\$90.00	SDCFCA - Admin Section	Subscriptions
35445	\$14,770.04	SDG&E	Utilities: Admin, RSF1, RSF2, RSF3, RSF4, RSF5
35446	\$438.47	United Imaging	Office Supplies
35495	\$920.00	A to Z Plumbing Inc	Building: RSF2, RSF3, RSF4
35496	\$69.00	AAA Live Scan	Background Investigations
35497	\$90.00	AFSS -Southern Division	Admin - Local Conf/Seminars
35498	\$552.50	Air Control Systems, Inc.	Building: Admin
35499	\$263.82	Allstar Water Systems Inc	Building: RSF2
35500	\$403.47	AT&T	Utilities: RSF1, RSF2, RSF3, RSF5
35501	\$1,593.00	C.A.P.F.	Disability Ins Short & Long
35502	\$2,370.00	Cielo Village Partners LP	Building: Admin
35503	\$125.86	Dish	Utilities: RSF6
35504	\$4,883.60	Guardian Life Insurance Co	Medical/Dental Insurance; Med/Dental - Retiree-Former Employees
35505	\$8,423.79	L N Curtis & Sons Inc	Rescue Equipment
35507	\$5,718.20	Liebert Cassidy Whitmore	Legal Services
35508	\$722.10	Lincoln National Life Ins Co	Life Insurance/EAP
35509	\$320.00	MES California	SCBA
35510	\$99.63	Montagne, Sarah	Admin - Local Conf/Seminars
35511	\$66,574.14	North County EVS Inc	Apparatus
35512	\$323.15	Olivenhain Municipal Water District	Utilities: RSF6
35513	\$1,073.60	Robert Half International	Temporary Labor
35514	\$5,722.82	SC Commercial LLC	Fuel: Gasoline & Diesel
35515	\$1,314.26	Shred it Stericycle	Office Supplies
35516	\$2,231.34	Verizon Wireless	CSA-17 Contract; Cellular Telephone
EFT000000000792	\$1,695.00	Benz, Curtis	Education/Training; CSA-17 Contract
	\$9,361.98	Various	Medical Reimbursements
	\$313,200.29		

Rancho Santa Fe Fire Protection District

List of Demands - August 2022

ACH Transfer	\$2,100.00	CalPERS GASB-68
ACH Transfer	\$167,300.62	CalPERS July Retirement
ACH Transfer	\$80,933.65	CalPERS September Health
Subtotal	\$250,334.27	

8/15/2022	\$409,481.01	Payroll	RSFFPD
	\$47,464.38	Management PR	RSFFPD
8/31/2022	\$278,752.95	Payroll	RSFFPD
Subtotal	\$735,698.34		

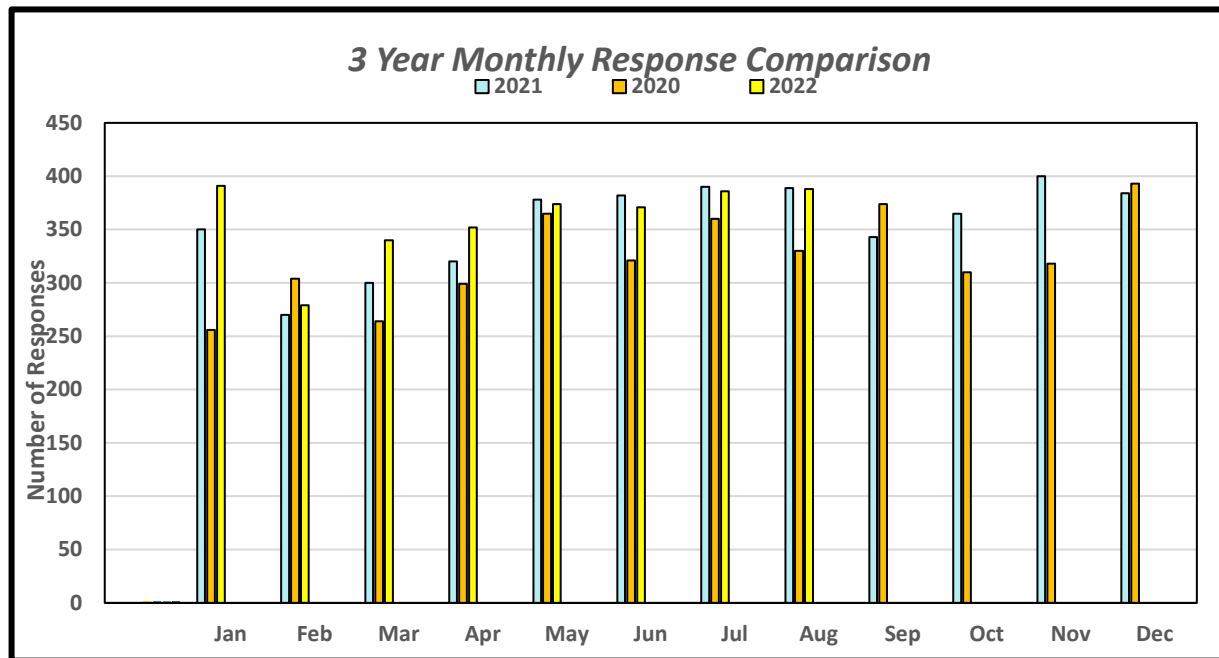
Total	\$1,299,232.90
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RSF Grant Re-Cap

Status	Date Submitted	Agency/Grantor Name	Description / Items Requested	Amount Requested	Total Received	Notes:
ACTIVE	9/30/2021	FEMA	Covid Forced Labor OT	\$ 93,084.25		Awaiting secondary approval
ACTIVE		UASI FY18		\$ 6,105.00		OES conducting compliance assessment
ACTIVE	7/6/2022	UASI FY20	Training; L-954 Course	\$ 17,000.00		Reimbursement request sent 7/6/22
ACTIVE	8/1/2022	Coastal Conservancy	Escondido Creek/San Marcos Defensible Space/Roadway Clearance	\$ 325,864.00		Elfin Forest/Harmony Grove Clean Up; Collaborating w/UrbanCorp, San Marcos Fire and Escondido Fire
ACTIVE	5/12/2020	FEMA	Vegetation Management	\$ 18,000.00	\$ 14,895.00	Check received. Utilizing funds for Via Ambiente Roadway Clearance; Work completed and payment in process.
AWARDED	10/15/2021	CSDA (CA Special Districts)	COVID-19; Staffing and Supplies	\$ 6,163,371.00	\$ 1,154,981.00	Check received. Process is officially closed.
AWARDED	1/30/2021	OTS	Struts, Airbags, Circ. Saw (Extrication)	\$ 15,181.23	\$ 15,181.23	Check received; Final Quarterly report provided to OTS. Process is officially closed.
AWARDED	6/1/2022	SD Regional Fire Foundation	Mental Health Program Support	\$ 3,000.00	\$ 3,000.00	Check received. Presentation given at prior Board Meeting. Process is officially closed.
AWARDED	3/11/2021	DEPT OF THE TREASURY (ARPA)	COVID-19 Recovery Funds	\$ 329,000.00	\$ 329,000.00	5/12: All documentation submitted to County & approved; Check received. Process is officially closed.
AWARDED	3/31/2022	RSF Association	Firefighter of the Year Award	\$ 750.00	\$ 750.00	Nathan Sanford accepted. Process is officially closed.
RSF Fire District Foundation						
	12/7/2021	RSF Foundation	Forcible Entry	\$ 8,905.00	\$ 8,905.00	(1) Multi-Force Door (Forcible Entry Door Simulator)
	9/21/2021	RSF Foundation	GIA Wellness	\$ 8,537.50	\$ 8,537.50	50/50 split with the District for pendants, cell guards for Staff and harmonizers for each facility
	8/19/2021	RSF Foundation	UVC Air Disinfecting	\$ 1,000.00	\$ 1,000.00	10 UVC LED Disinfecting Air Purifiers
	8/19/2022	RSF Foundation	E-Hydraulic Extrication Tools	\$ 50,000.00		Application submitted. Pending approval.
						Change since previous re-cap

Rancho Santa Fe Fire Protection District Operations Report

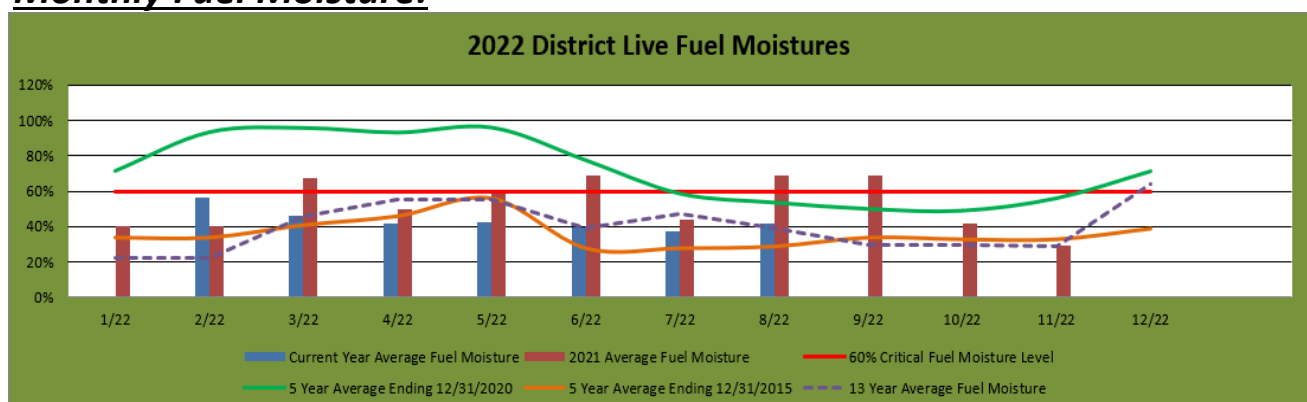
September 2022



3 Year Call Volume Tracker:

2022		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Responses
	Responses	391	279	340	352	374	371	386	388					2,881
	YTD	391	670	1010	1362	1736	2107	2493	2881					
2021		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Responses
	Responses	350	270	300	320	378	382	390	389	343	365	400	384	4,271
	YTD	350	620	920	1240	1618	2000	2390	2779	3122	3487	3887	4271	
2020		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Responses
	Responses	256	304	264	299	365	321	360	330	374	310	318	393	3,894
	YTD	256	560	824	1123	1488	1809	2169	2499	2873	3183	3501	3894	

Monthly Fuel Moisture:



Rancho Santa Fe Fire Protection District Operations Report

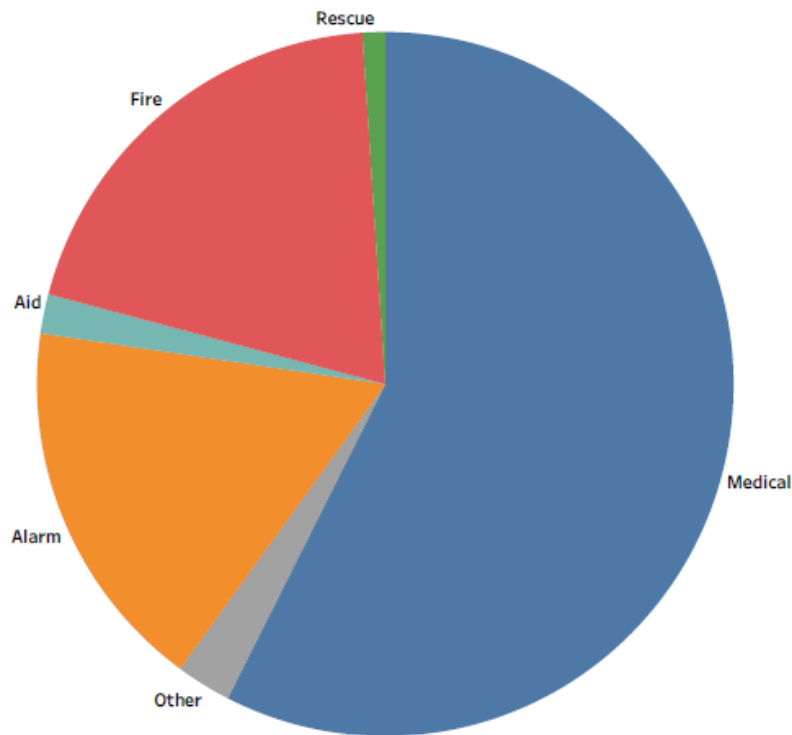
September 2022

Monthly Incidents

Assigned Incidents for RANCHO SANTA FE FPD
August 2022

Agency
RANCHO SANTA FE FPD

Month and Year
August 2022



Medical	223 incidents / 57.47%
Fire	77 incidents / 19.85%
Alarm	67 incidents / 17.27%
Aid	7 incidents / 1.80%
Rescue	4 incidents / 1.03%
Other	10 incidents / 2.58%
Grand Total	388 incidents / 100.00%

Problem Category

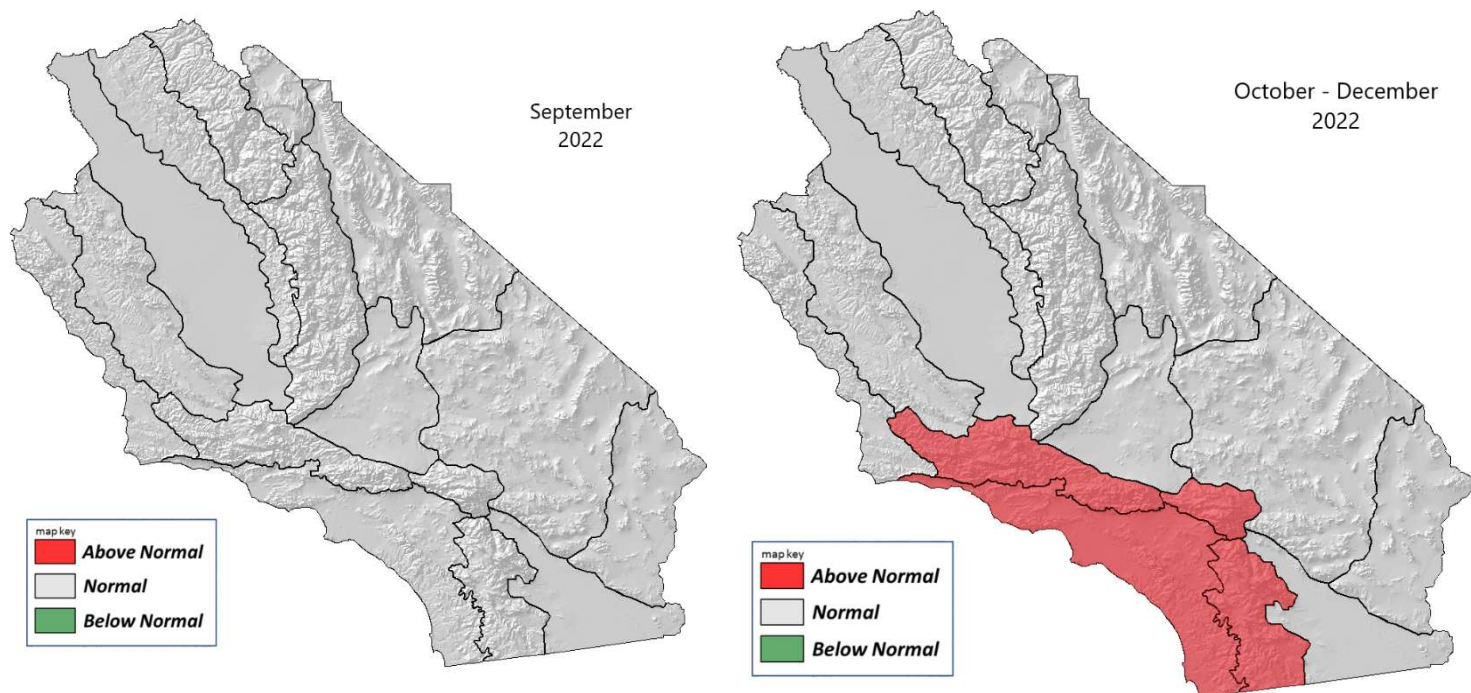
- Medical
- Other
- Alarm
- Aid
- Fire
- Rescue

Significant Incidents:

Date:	Incident:	Units Assigned:
8/29/2022 9/1/2022	Live Fire Training Promotions	Recruits, BC Bennett, C2601, C2602 Engineer's O'Connor & Cloyd
9/1/2022	Border 32 Fire	4,456 acres (Jamul) 100% OES 6848C (OES 6309, C2602)
9/5/2022	Fairview Fire	28,307 acres (Hemet) 69% OES 6848C (OES 6309)
9/7/2022	Preposition TF	San Marcos Training 6411T (BR262)
9/13/2022	Mosquito Fire	58,544 acres (Tahoe) 20% OES 6848C (OES 6309)

Covid-19 Agency Status: Total tested positive since Aug. 1st, 2022

	Positive
Fire Suppression Personnel	4
Administration and Prevention	1



***Monthly Images will only be shown when there are changes**

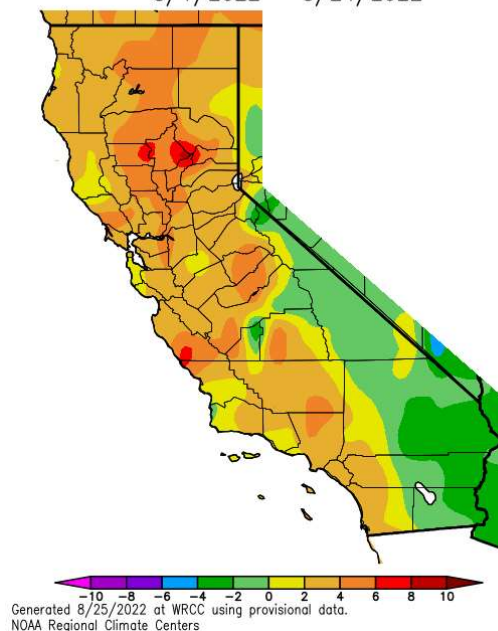
September - December 2022 South Ops Highlights

- Near to above normal monsoonal showers and thunderstorms through mid-September.
- Rainfall will be well below normal late September through December.
- Temperatures will be well above normal through December.
- There will be a near normal amount of Santa Ana wind events October through December.

Weather Discussion

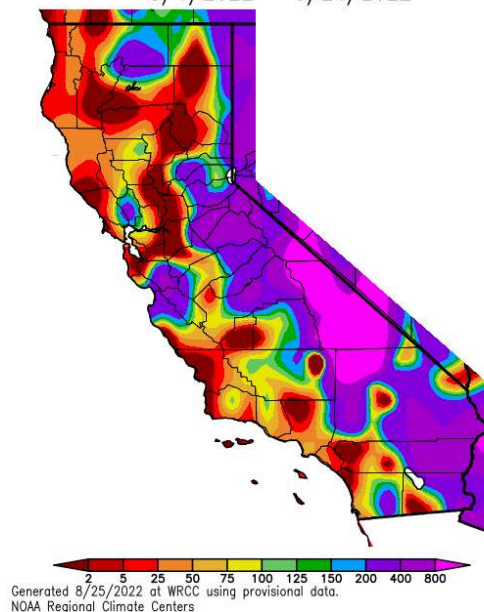
Strong high pressure oscillating back and forth between the Four Corners Area and the Great Basin influenced the weather over Central and Southern California most of August. Abundant sunshine and a lack of a consistent marine layer brought temperatures that were 2 to 4 degrees above normal to the coastal and valley areas, while abundant afternoon cloud cover brought temperatures that were 1 to 3 degrees below normal to the mountains and deserts (**Fig 1**). Southeast flow aloft around the strong area of high pressure brought isolated to scattered afternoon monsoonal showers and thunderstorms to the mountains and deserts most days during August. There were only a couple days when isolated shower and thunderstorm activity made it to the coastal and valley areas. Rainfall ended up well above normal across the mountain and desert areas and near to below normal across the coastal and valley areas for the month (**Fig 2**). Winds were light most of the month and primarily from the south to west.

Av. Max. Temperature dep from Ave (deg F)
8/1/2022 – 8/24/2022



**Fig 1: August 1st - August 24th
Temperature (% of Ave.)**

Percent of Average Precipitation (%)
8/1/2022 – 8/24/2022



**Fig 2: August 1st - August 24th
Precipitation (% of Ave.)**

Fuels Discussion

All of Central and Southern California remains under drought conditions (**Fig 3**). Drought conditions improved from extreme to severe over most mountain and desert locations in August due to the well above normal rainfall from the persistent monsoon flow. The extreme to exceptional drought expanded a little across the San Joaquin Valley. There was little change in the severe drought across the coastal areas and valleys of Southern California. The only location with moderate drought remains over San Diego County. There was a big improvement in the 1000-hr and 100-hr dead fuel moisture over the mountains and deserts and they have been well above normal most of the month (**Fig 4**). Across the lower elevations, the dead fuel moisture increased to above normal at the beginning of the month but has dropped off rapidly since with some areas now breaking record low levels. (**Fig 5**). There was little change to the below normal live fuel moisture and it remains between 50% and 80% across most of the region (**Fig 6**).

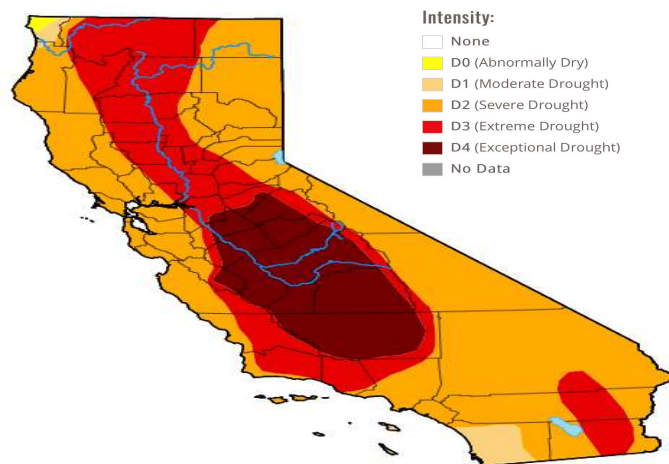


Fig 3: Drought Monitor August 25th, 2022

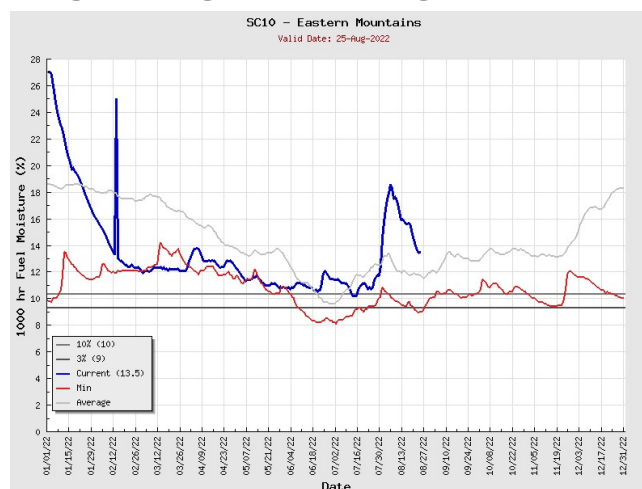


Fig 4: Eastern Mountains 1000 hr Dead fuel moisture August 25th

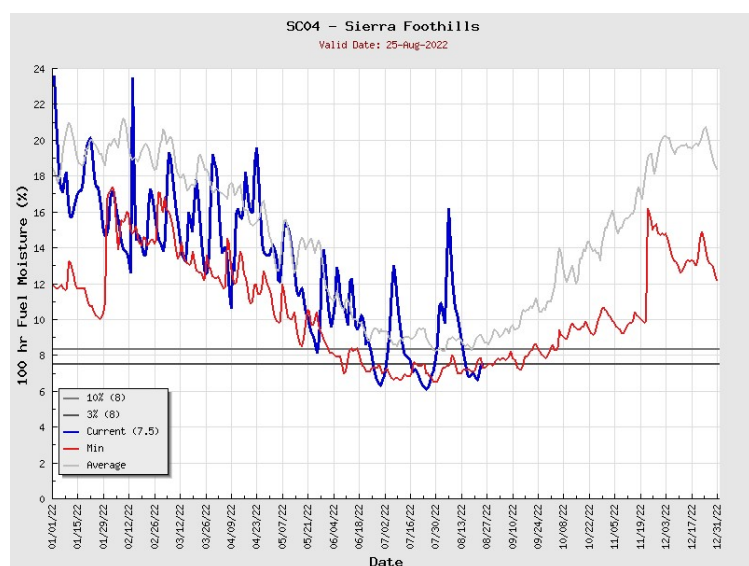


Fig 5: Sierra Foothills 100 hr Dead fuel moisture August 25th

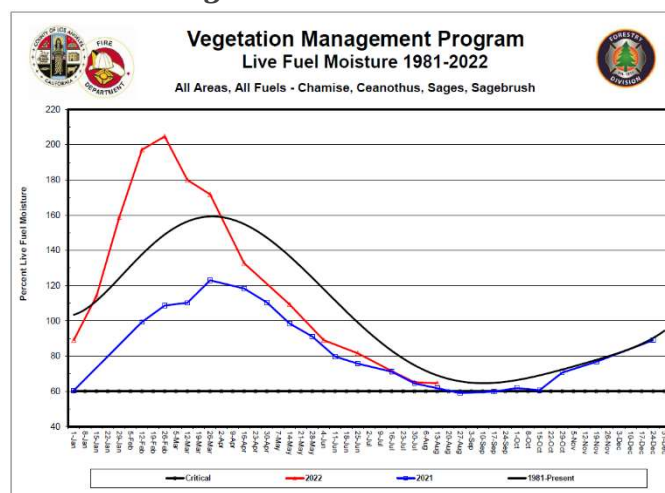


Fig 6: LA County Live Fuel Moisture August 17th

SOUTH OPS OUTLOOK

Sea surface temperatures remain above normal over the Gulf of Alaska and off the West Coast, with below normal sea surface temperatures over most of the Equatorial Pacific (**Fig 7**). Computer models show that there will be little change in sea surface temperature anomalies through at least the end of this calendar year (**Fig 8**). Thus, expect high pressure to be the dominating weather influence on Central and Southern California through December. The area of high pressure that has been moving back and forth between the Four Corners Area and the Great Basin will continue to do so through the middle of September. This will likely continue to bring near to above normal monsoonal showers and thunderstorms to the mountains and deserts. As the landmass cools late in September, the area of high pressure will become centered off the California Coast where it will likely sit through the end of the year. This strong area of high pressure off the coast will bring well above normal temperatures and well below normal precipitation to the entire region from late September through December. Storms will ride up and over the area of high pressure into the Pacific Northwest and then move either east over the northern tier of States or drop into the Great Basin and Desert Southwest. Those systems that drop south will cause Santa Ana wind events across Southern California from the mountains westward. There will most likely be a near normal amount of Santa Ana wind events across Southern California this fall. The expected warm and very dry conditions along with a near normal amount of Santa Ana wind events will bring an above normal potential for large fire to Southern California away from the deserts from October through December. Even though Central California is also expected to be much drier than normal from October through December, the potential for large fire will be near normal due to cold nights and a lack of significant wind.

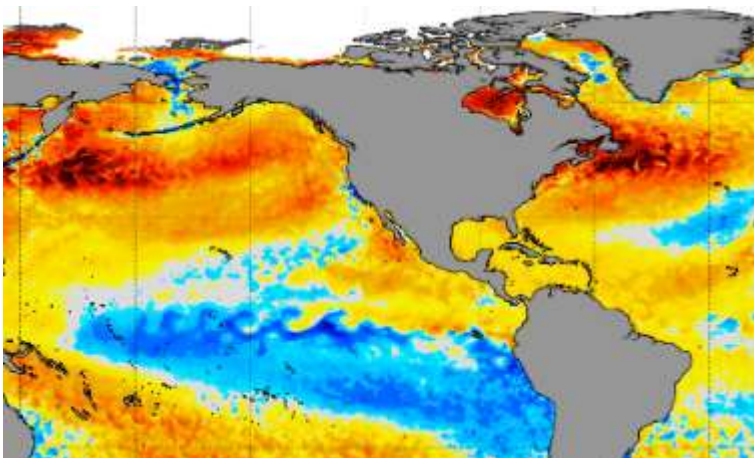


Fig 7: Sea Surface Temperature Anomaly, August 24th, 2022

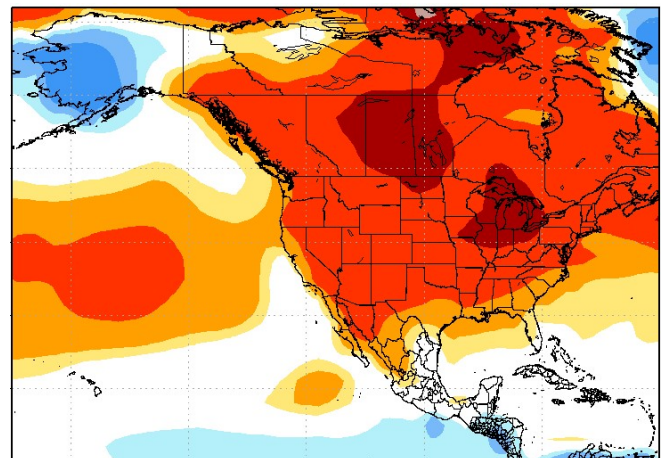
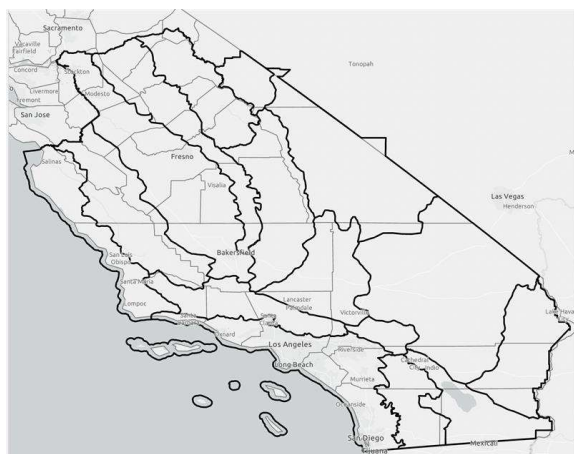


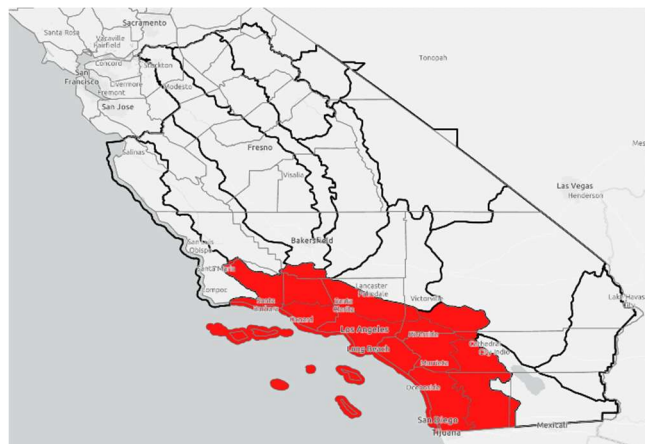
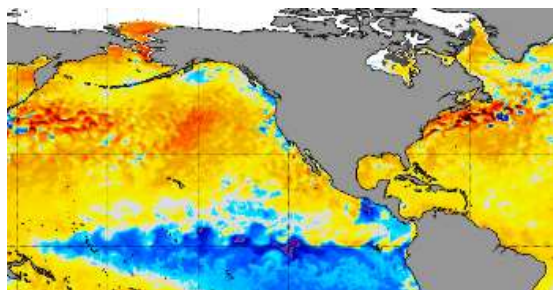
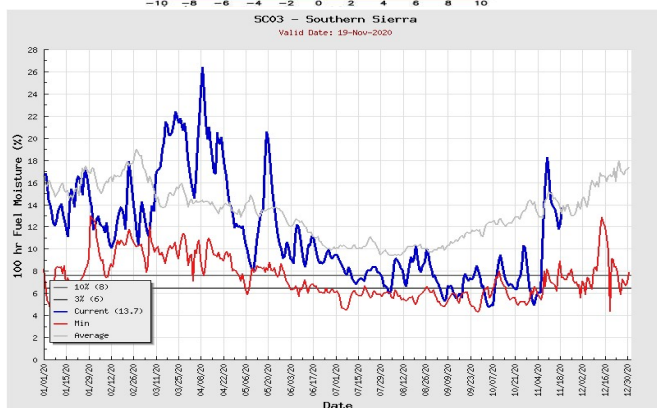
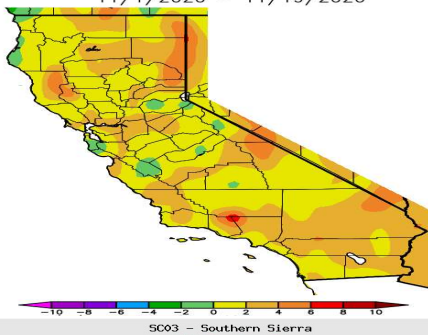
Fig 8: Forecast Temperature Anomalies for September through December, August 24th, 2022

Maps with Counties and Select Intel Links used in the forecast



September 2022

Av. Max. Temperature dep from Ave (deg F)
11/1/2020 - 11/19/2020



October-December 2022

Climate

- <https://calclim.dri.edu/pages/anommaps.html>

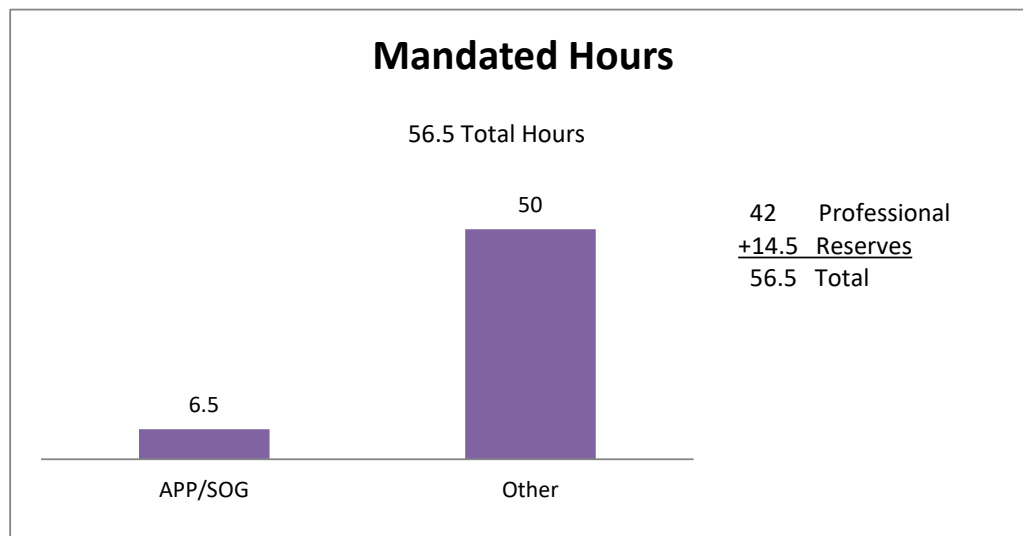
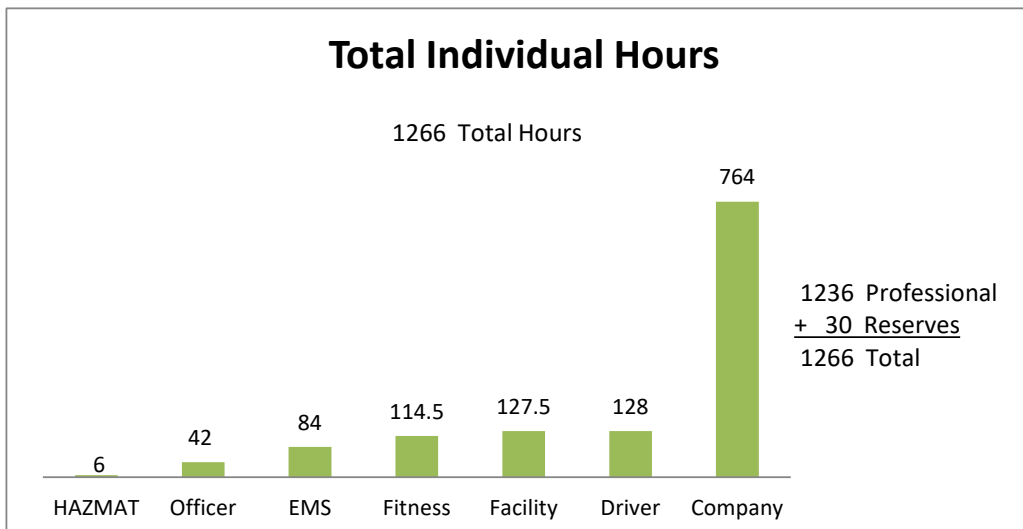
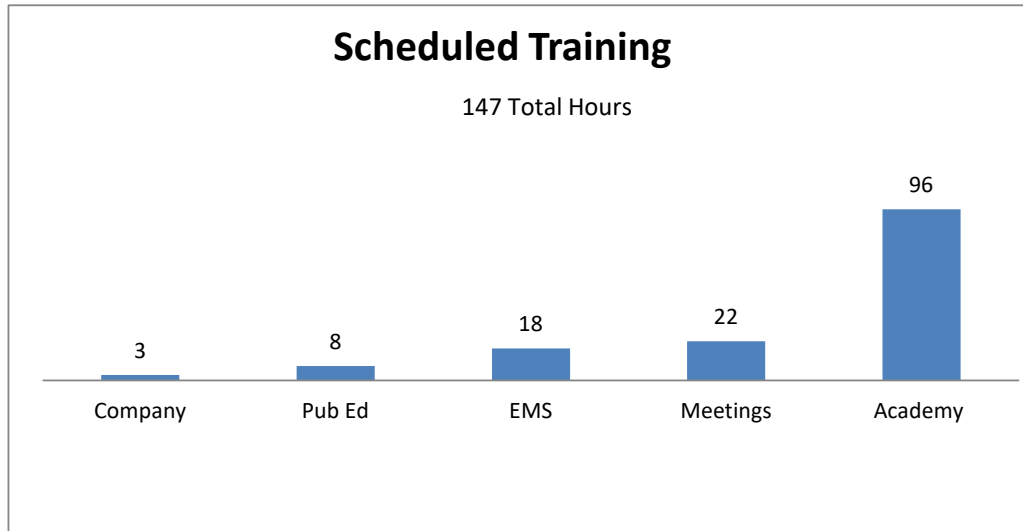
100 hr dead fuel moisture

- https://gacc.nifc.gov/oscc/fuelsFireDanger_Hundred.php

Current sea surface temperatures

- <https://www.ospo.noaa.gov/Products/ocean/sst/anomaly/>

Training Division August 2022



See next page for descriptions.

PLAN REVIEWS					
Plan Type	# of New Reviews	# of Resubmittals	Approved New SQFT (Mit Fees)	SQFT Reviewed (No Mit Fees)	Total SQFT Reviewed
New Residential	14	11	17464	82799	100263
Residential Additions/Remodels	9	8	4452	14093	18545
New Commercial	0	0	0	0	0
Commercial T.I.	4	0	0	11166	11166
Tents/Special Events	3	0	0	0	0
Rack Storage	0	0	0	0	0
Preliminary	3	3	0	14645	14645
Fire Suppression Systems	16	4	0	0	0
Alarms	2	0	0	0	0
Landscaping	21	9	0	0	0
Grading/Mylars/Improvement Plans	5	0	0	0	0
Underground	1	0	0	0	0
Hood System	2	0	0	0	0
Tanks	0	0	0	0	0
Cell Sites	0	0	0	0	0
DSS/CCL	0	0	0	0	0
DPLU	0	1	0	7920	7920
Solar Panels	4	1	0	0	0
High Piled Storage	1	0	0	0	0
High Hazard/Communications/Other	5	0	0	0	0
Spray Booth	0	0	0	0	0
Fire Protection Plans	0	0	0	0	0
Technical Reports	0	0	0	0	0
TOTAL	90	37	21916	130623	152,539

INSPECTIONS	
Inspection Type	# of Inspections
Alarms	6
Fire Supression Systems	20
Building Construction	11
Landscaping	9
Tent/Special Event	4
Gates/Knox	2
Site Visit	12
Technical Report/FPP	-
Underground	-
Annual Inspection	7
DSS Licensing	1
Other	8
TOTAL	80

SPECIAL PROJECTS	
Project Type	# of Projects
Grants	1
GIS	1
Forms (Updates/New)	1
Project Research	-
Computer Programming/I.T.	-
Emergency Response Support	-
Annual Mailer (Weed Abatement)	-
Board Report Formatting/ Design	-
Other	-
TOTAL	3

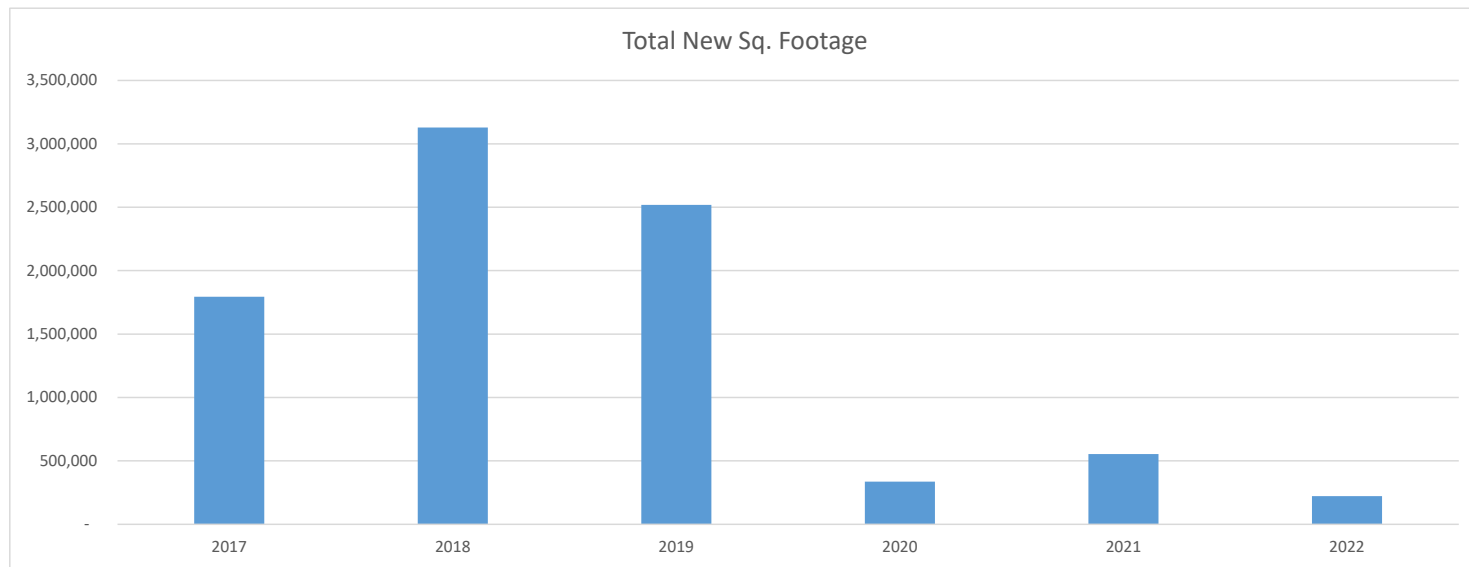
MEETINGS	
Meeting Type	# of Meetings
H.O.A	1
Staff	15
Board	1
On-Site Project Meetings	7
In-Office Project Meetings	21
Shift	-
Captain's	-
Weed Abatement	51
County	-
Code Development	9
Support/I.T. Development	-
San Diego County FPO's	3
Community Stakeholder Meetings	1
North Zone	2
Other	5
TOTAL	116

TRAINING/EDUCATION	
No. of Training Classes	Staff Hours
0	0
0	0
0	11
0	0
TOTAL	11

WEED ABATEMENT	
Activity	# of Inspections
Weed Abatement Inspection	-
Weed Abatement Reinspection	-
1st Notice	23
Final Notice	11
Posting	-
Notices Printed	200
Abated	9
Forced Abatement	7
TOTAL	

OFFICE SUPPORT	
Activity	# Completed
Phone Calls	1,048
Correspondence	3,537
Walk in/Counter	240
Knox Application Request	4
Burn Permits	2
Plans Accepted/Routed	94
Special Projects	5
Scanning Documents/Electronic Files	225
Meetings: Admin/Prevention/Admin Shift	3
Post Office Runs	-
Deposit Runs/Preparations	3
TOTAL	5,161

Rancho Santa Fe Fire Protection District
Fire Prevention Bureau Monthly Activity Summary



Total New Square Footage (*Reflected in Chart Above)

Year	Total
2017	1,793,936
2018	3,128,964
2019	2,519,545
2020	336,899
2021	554,173
2022	222,028

Total New Square Footage Only

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	29,226	41,043	38,102	25,751	38,400	7,290	16,516	15,384	77,848	15,070	22,529	9,740
2021	29,808	23,298	50,000	29,760	7,104	19,361	24,413	1,794	33,357	106,768	99,103	129,407
2022	42,895	14,666	32,871	8,805	39,325	42,871	18,679	21,916				

Comparison Total Reviewed Square Footage

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	240,861	691,306	274,736	307,024	412,556	248,869	287,395	424,065	250,518	742,439	440,335	137,995
2020	40,748	86,593	145,794	76,506	54,651	42,950	47,950	91,532	163,417	127,963	59,192	47,677
2021	90,462	89,135	111,456	98,218	118,557	151,000	203,116	254,055	312,253	204,313	171,023	137,116
2022	128,254	204,226	162,816	250,473	176,018	115,972	27,777	130,623				

STAFF REPORT

NO. 22-15

TO: BOARD OF DIRECTORS
DAVID MCQUEAD, FIRE CHIEF

FROM: MARLENE DONNER, FIRE MARSHAL

SUBJECT: ADOPTION OF 2022 CALIFORNIA FIRE CODE

DATE: SEPTEMBER 15, 2022



RECOMMENDATION:

Staff recommends proceeding with the adoption of the amended Ordinance No. 2023-01.

BACKGROUND:

The adoption of a local Fire Code is an important function of the Board of Directors. The Fire Code sets the fire-safety standards for new construction and existing operations within the jurisdiction. Under California law, specific findings are required to be included in a local jurisdiction's ordinance to support the basis for the adoption of a local fire code. The Rancho Santa Fe Fire Protection District (Fire District) last adopted the 2019 California Fire Code with amendments in 2020, the current adopted Ordinance is 2020-01.

The Fire Code adoption is on a three-year adoption cycle. The three-year Fire Code adoption cycle is based on the State of California completing the revision and reprinting of the newer code. The California Fire Code was completed and printed in July 2022, under state law; local jurisdictions need to adopt and modify the latest edition of the 2022 California Fire Code within 180 days of printing as established by the State Building Standards Commission.

If the district does not amend the fire code at a local level, the adopted State Code will go into effect on January 1, 2023.

The Green/Hansen Act also requires fire districts, which adopt amendments more stringent than the state, to submit these amendments for ratification to the County Board of Supervisors.

Early this year, a countywide working group, which included Fire Prevention Officers, developed this proposed Fire Code for the adoption of the 2022 California Fire Code with amendments. The working group has developed a proposed County Consolidated Fire Code. The Fire District must either adopt the County Consolidated Fire Code as amended or further amend the document to meet the local existing conditions within the Rancho Santa Fe Fire Protection District.

CURRENT SITUATION:

This serves as the first reading in the ordinance adoption process. A public hearing is proposed for the next regular meeting. At that meeting, the Board may choose to either adopt the ordinance after the public hearing, or have it brought back to them at the next regular meeting. After the public hearing and upon final adoption, the district will publish a Notice of Ordinance Adoption, in a newspaper of general circulation.

Attachments:

1. Draft Ordinance 2023-01

RANCHO SANTA FE FIRE PROTECTION DISTRICT



2023-01 FIRE ORDINANCE

Effective January 1, 2023

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ORDINANCE NO. 2023-01

AN ORDINANCE OF THE RANCHO SANTA FE FIRE PROTECTION DISTRICT
WHICH ADOPTS THE 2022 CALIFORNIA FIRE CODE AND THE 2021
INTERNATIONAL FIRE CODE WITH CERTAIN AMENDMENTS, ADDITIONS,
AND DELETIONS

WHEREAS, Health & Safety Code section 17958 mandates that the Rancho Santa Fe Fire Protection District shall adopt Ordinances or regulations imposing the same requirements as are contained in the regulations adopted by the State pursuant to Health & Safety Code section 17922; and

WHEREAS, the State of California is mandated by Health & Safety Code section 17922 to impose the same requirements as are contained in the 2022 California Fire Code based on the 2021 International Fire Code published by the International Code Council, hereinafter referred to collectively as the Fire Code; and

WHEREAS, the State of California is mandated by Health & Safety Code section 17922 to impose the same requirements as are contained in the 2022 California Fire Code based on the 2021 International Fire Code, together with the Rancho Santa Fe Fire Protection District amendments, shall be the Rancho Santa Fe Fire Protection District Fire Code for the purpose of prescribing regulations in the unincorporated territory of the County of San Diego and the boundaries of the Rancho Santa Fe Fire Protection District; and

WHEREAS, code amendments adopted by the State of California shall take precedence over the 2021 International Fire Code language. The 2021 International Fire Code language shall be used for those code sections not adopted by the State; and

WHEREAS, local amendments adopted by the Rancho Santa Fe Fire Protection District shall take precedence over both the 2021 International Fire Code and 2022 California Fire Code provisions; and

WHEREAS, Health & Safety Code section 17958.5 permits the Rancho Santa Fe Fire Protection District to make such changes or modifications to the Codes as are reasonably necessary because of local conditions; and

WHEREAS, Health & Safety Code section 17958.7 requires that the Rancho Santa Fe Fire Protection District before making any changes or modifications pursuant to section 17958.5 make express findings that such changes or modifications are needed due to local climatic, geological, or topographical conditions; and

WHEREAS, the Board of Directors of the Rancho Santa Fe Fire Protection District does herewith find that the District has certain climatic, geological, and topographical features that can have a deleterious effect on emergency services such as fire protection and emergency medical services; and

WHEREAS, the Board of Directors of the Rancho Santa Fe Fire Protection District finds that the modifications and changes to the 2021 International Fire Code and 2022 California Fire Code are reasonably necessary because of the following local climatic, geological, and topographical conditions as identified in Attachment A; and

WHEREAS, certain amendments to the 2022 California Fire Code and the 2021 International Fire Code serve to mitigate to the extent possible said deleterious effects; and

WHEREAS, sections 50022.1 through 50022.10, inclusive, of the Government Code and section 13869 of the Health & Safety Code, provide authority for the adoption by reference of codes, or portion of such codes.

NOW THEREFORE, the Board of Directors of the Rancho Santa Fe Fire Protection District does ordain as follows:

Section 1 REPEAL

That Ordinance No. 2020-01, to the extent that the latter is or was effective, of the Rancho Santa Fe Fire Protection District and all other ordinance or parts of ordinances in conflict herewith are hereby repealed.

Section 2 ADOPTION

That the Board of Directors of the Rancho Santa Fe Fire Protection District adopts as the Fire Code for the Rancho Santa Fe Fire Protection District the following: the 2022 California Fire Code, including the appendix to Chapter 4 and appendices B, C, D, H, I & O, the 2021 International Fire Code (IFC), and the National Fire Protection Association Standards 13, 13-R & 13-D, as referenced in Chapter 80 of CFC, together with the District's amendments in this ordinance. This Fire Code is adopted for the protection of the public health and safety. It includes definitions, provisions for 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, requirements for permits and inspection for installing or altering systems, regulations for the erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, equipment use and maintenance of buildings and structures, including the installation, alteration or repair of new and existing fire protection systems and their inspection and provides penalties for violation of this code. Each and all of the regulations, provisions, penalties, conditions and

terms of the Rancho Santa Fe Fire Protection District Fire Code on file in the office of the Rancho Santa Fe Fire Protection District are hereby referred to, adopted, and made a part hereof, as if fully set out in this ordinance.

Section 3 REVISED

That the following sections and chapters of the 2022 California Fire Code are hereby revised:

SEC. 101.5 VALIDITY.

Section 101.5 of the California Fire Code is *revised* to read:

Sec. 101.5 Validity. *The Board of Supervisors declares that should any section, paragraph, sentence or word of this chapter be declared invalid for any reason it is the intent of this Board that it would have passed all other portions of this chapter independently of any portion that may be declared invalid.*

SEC. 102.13 REPEAL OF CONFLICTING ORDINANCES, RESOLUTIONS OR MOTIONS.

Section 102.13 is added to the California Fire Code to read:

Sec. 102.13 Repeal of conflicting ordinances, resolutions or motions. All former ordinances, resolutions or motions or parts thereof, conflicting or inconsistent with the provisions of this chapter are repealed.

SEC. 104.9. MODIFICATIONS.

Section 104.9 of the California Fire Code is *revised* to read:

Sec. 104.9 Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the fire code official shall have the authority to grant modifications for individual cases, provided the fire code official shall first find that special individual reason makes the strict letter of this code impracticable and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, life and fire safety requirements. *The applicant's request for a modification shall state the specific sections(s) for which a modification is requested, material facts supporting the contention of the applicant, the details of the modification or mitigating measure proposed and, if applicable, a map showing the proposed location and citing of the modification or mitigation measure.* The details of action granting modifications shall be recorded and entered in the files of the department of fire prevention.

SEC. 104.13 COST RECOVERY.

Section 104.13 is added to the California Fire Code to read:

Sec. 104.13 Cost recovery. The purpose of this section is to establish authority to obtain reimbursement from responsible individuals for the expenses of any emergency response and/or enforcement action by the fire department to protect the public from criminal or negligible activities, and from fire or hazardous substances.

Sec. 104.13.1 Reimbursement required. In accordance with the Health and Safety Code section 13000 et seq., an individual who acts negligently or in violation of the law and thereby requires the jurisdiction to provide an emergency response to a danger posed by a fire or hazardous substance shall be liable for reimbursement to the agency for the costs incurred. In accordance with Government Code sections 53150 through 53158, any individual who is under the influence of an alcoholic beverage or any drug or the combined influence of an alcoholic beverage or any drug, and whose negligent operation of a motor vehicle, boat or vessel or civil aircraft caused by that influence proximately causes any incident and thereby requires the agency to provide an emergency response shall reimburse the agency for the cost incurred.

SEC. 105.3.9 EXPENSE RECOVERY.

Section 105.3.9 is added to the California Fire Code to read:

Sec. 105.3.9 Expense recovery. The fire code official may impose a fee for recovery of expenses incurred to enforce the fire prevention provisions of this code.

SEC. 105.5.52.1 CHRISTMAS TREE LOTS.

Section 105.5.52.1 is added to the California Fire Code to read:

Sec. 105.5.52.1 Christmas tree lots. An operational permit is required to operate a Christmas tree lot, with or without flame proofing services.

SEC. 105.5.52.2 GREENWASTE RECYCLING, MULCHING, COMPOSTING OPERATIONS AND STORAGE.

Section 105.5.52.2 is added to the California Fire Code to read:

Sec. 105.5.52.2 Greenwaste recycling, mulching, composting operations and storage. An operational permit is required for green waste recycling, mulching, composting operations and storage.

SEC. 105.7 NEW MATERIALS, PROCESSES OR OCCUPANCIES WHICH REQUIRE PERMITS.

Section 105.7 is added to the California Fire Code to read:

Sec. 105.7 New materials, processes or occupancies which require permits. The fire code official may determine, after allowing affected persons an opportunity to be heard, that a material, process or occupancy, not listed in this code shall require a permit, in addition to those now enumerated in this code. In that case, the fire code official shall prepare a list of any additional material, process or occupancy that shall require a permit and post the list in a conspicuous place in the offices of the fire authority having jurisdiction. Any interested person may obtain a copy of the list.

SEC. 111 APPEALS.

Section 111 of the California Fire Code is *revised* to read:

Sec. 111.1 Regional Fire Appeals Board established. In order to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code, *including the granting or denial of modifications*, there shall be and is hereby created a *Regional Fire Appeals Board (Appeals Board)*. *The Appeals Board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the fire code official. A copy shall also be sent to the Building Official or other decision maker for the project, whichever is appropriate.*

Sec. 111.2 Limitations on authority. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent method of protection or safety is proposed. The *Appeals Board* shall not have authority to waive requirements of this code.

Sec. 111.3 Qualifications. The *Appeals Board* shall consist of members who are qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions or fire protection systems and are not employees of the jurisdiction.

Sec. 111.4 Appeals procedures. *This section establishes appeal procedures of an order, decision or determination (collectively, “determination”) made by the fire code official, including the granting or denial of appeals.*

Sec. 111.4.1 Appeals of determinations regarding building permits. *The County, fire agency or project applicant may appeal a determination made by the fire code official related to a project for which a building permit is required by filing an appeal in writing with the Appeals Board within 30 days of the fire code official’s final determination. The Appeals Board shall make factual findings and issue a written recommendation to the County Building Official on whether the fire code official’s determination should be upheld, overruled or modified. The Building Official may not waive the requirements of this code, except as authorized by the code and is subject to the same requirements and restrictions in the code that applied to the fire code official. A copy of the recommendation shall be provided to the applicant. The County Building Official shall act on the Appeals Board’s recommendation and issue a written decision to the parties within 15 days of receipt of the Appeals Board’s recommendation. The Building Official’s decision shall be final.*

Sec. 111.4.2 Appeals of determinations regarding discretionary permits. *The County, the fire agency or the project applicant may seek review of the fire code official’s determination by the Appeals Board by filing a request for review with the Appeals Board within 30 days of the fire code official’s determination. When reviewing a fire code official’s determination pursuant to this subsection, the Appeals Board shall act in an advisory capacity. The Appeals Board shall review the fire code official’s determination and make a recommendation to uphold, overrule or modify the fire code official’s determination. The Appeals Board shall render its recommendation to the County decision maker or decision-making body for consideration with the application for the discretionary permit.*

Sec. 111.4.3 Appeals of determinations for matters other than building permits or discretionary permits.

(a) Areas outside a fire protection district. *Any affected party may appeal a determination made by the fire code official regarding a matter for which a building permit or discretionary permit is not required by filing an appeal in writing with the Appeals Board within 30 days of the fire code official’s final determination. The Appeals Board shall review the fire code official’s*

determination and make a recommendation to uphold, overrule or modify the fire code official's determination. The Appeals Board's determination shall be final.

- (b) **Areas inside a fire protection district.** Any affected party may appeal a determination made by the fire code official regarding a matter for which a building permit or discretionary permit is not required by filing an appeal in writing with the fire protection district's Board of Directors within 30 days of the fire code official's final determination. The Board of Directors shall review the fire code official's determination and make a recommendation to uphold, overrule or modify the fire code official's determination. The Board of Director's determination shall be final.*

Sec. 111.5 Regional Fire Appeals Board.

- (a) The Appeals Board members shall consist of the following:*

- Two representatives from the San Diego County Fire Districts Association.*
- Two chief officers from CAL FIRE.*
- One fire marshal from the unincorporated area of the County.*

- (b) The Appeals Board shall not include a representative from the agency whose fire code official made the determination that is being appealed. An alternate for the regular member(s) of the Appeals Board shall be designated to serve in this situation.*

- (c) Three members shall constitute a quorum for the transaction of business, and three affirmative votes shall be necessary to render a recommendation.*

- (d) If the Appeals Board recommends a modification to this code for an individual case, a copy of the recommendation and findings along with a map showing the proposed modification and mitigating measures shall be forwarded to the Unit Chief of CAL FIRE, San Diego/Imperial Unit.*

SEC. 112.4 VIOLATIONS, PENALTIES AND RESPONSIBILITY FOR COMPLIANCE.

Section 112.4 of the California Fire Code is *revised* to read:

Sec. 112.4 Violations, penalties and responsibility for compliance. *It shall be unlawful for any person, as defined in section 12.115 of the County Code of Regulatory Ordinances, to use any property or erect, construct, enlarge, alter, repair, move, remove, improve, convert, demolish, equip, use, occupy or maintain any building or structure, or vacant land or cause the same to be done, contrary to or in violation of any of the provisions of this*

chapter. A property owner shall be considered to have allowed any use or improvement of property occupied by or under the dominion and control of the owner and shall be responsible for the discontinuance and removal of any violation of the County Fire Code. This responsibility shall include property leased to another person. A property owner shall also be responsible for the discontinuance and removal of any violation of the County Fire Code that existed on the property prior to the current owner's purchase of the property.

AMENDMENT TO SECTION 112.4

Sec. 112.4 Violations, penalties and responsibility for compliance. Any person who shall violate any of the provisions of this code or standards hereby adopted or fail to comply therewith, or who shall violate or fail to comply with any order made there under, or who shall build in violation of any detailed statement or specification or plans submitted and approved there under, or any certificate or permit issued there under, and from which no appeal has been taken, or who shall fail to comply with such an order as affirmed or modified by the attorney for the Rancho Santa Fe Fire Protection District or by a court of competent jurisdiction within the time fixed herein, shall severally for each and every violation and non-compliance respectively, be guilty of an infraction or misdemeanor, punishable by a fine not exceeding \$1,000.00 or by imprisonment in County Jail not exceeding six (6) months, or both. The imposition of one penalty of any violation shall not excuse the violation or permit it to continue; and all such persons shall be required to correct or remedy such violations or defects within a reasonable time; and when not otherwise specified, each day that prohibited conditions are maintained shall constitute a separate offense.

The application of the above penalty shall not be held to prevent the enforced removal of prohibited conditions.

AMENDMENT TO SECTION 113.4

Sec. 113.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that the person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$250.00 or more than \$1,000.00.

SEC. 202 DEFINITIONS.

Section 202 of the California Fire Code is *revised* by adding or modifying the following definitions:

ACCESSORY DWELLING UNIT. Defined as an attached or a detached residential dwelling unit which provides complete independent living facilities for one or more persons. It shall include permanent provisions for living, sleeping, eating, cooking, and

sanitation on the same parcel as the single-family dwelling is situated. An accessory dwelling unit also includes the following:

- (A) An efficiency unit, as defined in Section 17958.1 of the Health and Safety Code.
- (B) A manufactured home, as defined in Section 18007 of the Health and Safety Code.

AERATED STATIC PILE. A composting process that uses an air distribution system to blow or draw air through the pile. Little or no pile agitation or turning is performed.

BLASTER. *A person who has been approved by the Sheriff to conduct blasting operations and who has been placed on the list of approved blasters. The listing shall be valid for one year unless revoked by the Sheriff.*

BLASTING AGENT. *A material or mixture consisting of a fuel and oxidizer intended for blasting. The finished product as mixed and packaged for use or shipment shall not be detonated by means of a No. 8 test blasting cap when unconfined.*

BLASTING OPERATION. The uses of an explosive device or explosive material to destroy, modify, obliterate or remove any obstruction of any kind.

BLASTING PERMIT. A permit issued by the Issuing Officer pursuant to section 105.6.15. The permit shall apply to a specific site and shall be valid for a period not to exceed one year.

BLAST SITE. *The geographically defined area, as shown on a project map or plot plan, where a blaster is authorized by a blasting permit issued under this section to conduct a blasting operation.*

CHIPPING AND GRINDING. An activity that mechanically reduces the size of organic matter.

COMPOSTING OPERATION. An operation that is conducted for the purpose of producing compost. The operation shall be by one or more of the following processes used to produce a compost product: static pile, windrow pile or aerated static pile.

DEAD-END ROAD. A road that has only one point of vehicular ingress/egress, including cul-de-sacs and looped roads.

DISTANCE MEASUREMENT. All specified or referenced distances are measured along the ground, unless otherwise stated.

DWELLING UNIT. Any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking and/or sanitation for not more than one family.

ENCLOSED. Closed in or fenced off.

EXPLOSIVES PERMIT. A permit to possess or use explosives, issued by the Issuing Officer, pursuant to California Health and Safety Code sections 12000 et seq. and Chapter 56 of this code. An explosives permit shall be valid for a period not to exceed one year, as provided in the permit conditions.

FIRE APPARATUS ACCESS ROAD. A road that provides fire apparatus access from a fire station to a facility, building or portion thereof. This is a general term that *includes, but is not limited to* a fire lane, public street, private street, driveway, parking lot lane and access roadway.

FIRE AUTHORITY HAVING JURISDICTION (FAHJ). The designated entity providing enforcement of fire regulations as they relate to planning, construction and development. The FAHJ may also provide fire suppression and other emergency services.

FIRE CHIEF. *The fire chief is one of the following:*

- (a) The person appointed by the Board of Supervisors to serve as fire chief in the unincorporated areas not within a fire protection district.*
- (b) The chief officer of a fire protection district.*
- (c) The Fire Warden or her or his delegated representative when enforcing section 96.1.5608.1 of this Chapter.*

FIRE CODE OFFICIAL. *The Fire Warden or her or his delegated representative, the fire chief or a duly authorized representative, or other person as may be designated by law, appointment or delegation and charged with the administration and enforcement of this Chapter.*

FIRE DEPARTMENT. Any regularly organized fire department, fire protection district, fire company, or legally formed volunteer fire department registered with the County of San Diego regularly charged with the responsibility of providing fire protection to a jurisdiction.

FIRE HAZARD. Any condition or conduct which:(a) increases or may increase the threat of fire to a greater degree than customarily recognized as normal by persons in the public service regularly engaged in preventing, suppressing or extinguishing fire or (b) may obstruct, delay, hinder or interfere with the operations of the fire department or the egress of occupants in the event of fire.

FIRE PROTECTION DISTRICT. Any fire protection district created under State law and any water district providing fire protection services.

FUEL MODIFICATION ZONE. A strip of land where combustible vegetation has been thinned or modified or both and partially or totally replaced with approved fire-resistant and/or irrigated plants to provide an acceptable level of risk from vegetation fires. Fuel modification reduces the radiant and convective heat on a structure and provides valuable defensible space for firefighters to make an effective stand against an approaching fire front.

GREENWASTE. Organic material that includes, but is not limited to, yard trimmings, plant waste, manure, untreated wood wastes, paper products and natural fiber products.

HARDSCAPE. Concrete, gravel, pavers or other non-combustible material.

HAZARDOUS FIRE AREA. Any geographic area mapped by the State or designated by a local jurisdiction as a moderate, high or very high fire hazard area or which the FAHJ has determined is a hazardous fire area, because the type and condition of vegetation, topography, weather and structure density increase the probability that the area will be susceptible to a wildfire.

HOGGED MATERIALS. *Mill waste consisting mainly of hogged bark but may include a mixture of bark, chips, dust or other by-product from trees and vegetation.*

INSPECTOR. For the purposes of sections 96.1.5601.2, an inspector is a person on the Issuing Officer's approved list of inspectors authorized to conduct inspections, before and after a blast. To be on the Issuing Officer's approved list, an inspector shall have a blasting license issued by Cal/OSHA.

MAJOR BLASTING. A blasting operation that does not meet the criteria for minor blasting.

MID-RISE BUILDING. A building four stories or more high, but not exceeding 75 feet in height and not defined as a high-rise building by section 202 of the California Building Code. Measurements shall be made from the underside of the roof or floor above the topmost space that may be occupied to the lowest fire apparatus access road level.

MINOR BLASTING. A blasting operation that meets all of the following criteria: quantity of rock to be blasted does not exceed 100 cubic yards per shot, bore hole diameter does not exceed 2 inches, hole depth does not exceed 12 feet, maximum charge weight does not exceed 8 pounds of explosives per delay and the initiation of each charge will be separated by at least 8 milliseconds. The maximum charge weight shall not exceed the Scaled Distance as shown below:

Distance from Blast Site (In Feet)	Scale Distance Factor
0 - 300	Mandatory Seismic Monitoring
301 - 5,000	55
5,000+	65

MULCHING. The process by which mixed greenwaste is mechanically reduced in size for the purpose of making compost.

RESPONSE TIME. The elapsed time from the fire department's receipt of the first alarm to when the first fire unit arrives at the scene.

SKY LANTERN. An unmanned device with a fuel source that incorporates an open flame in order to make the device airborne.

STATIC PILE. *A composting process that is similar to the aerated static pile except that the air source may or may not be controlled.*

STRUCTURE. That which is built or constructed, an edifice or building of any kind, or any piece of work artificially built up or composed of parts joined together in some manner.

TRAVEL TIME. The estimated time it would take for a responding agency to travel from the fire station to the furthest structure in a proposed development project, determined by measuring the safest, most direct, appropriate and reliable route with consideration given to safe operating speeds for heavy fire apparatus.

WINDROW COMPOSTING PROCESS. The process in which compostable material is placed in elongated piles. The piles or windrows are aerated and/or mechanically turned on a periodic basis.

WOOD CHIPS. Chips of various species of wood produced or used in chipping and grinding operations.

SEC. 304.1.4 OUTDOOR CARNIVALS AND FAIRS.

Section 304.1.4 is added to the California Fire Code to read:

Sec. 304.1.4 Outdoor carnivals and fairs. Outdoor carnivals and fairs shall only be conducted on grounds free of combustible vegetation or trimmed to the satisfaction of the FAHJ.

SEC. 305.6 ROCKETS, MODEL AIRCRAFT AND SIMILAR DEVICES.

Section 305.6 is added to the California Fire Code to read:

Sec. 305.6 Rockets, model aircraft and similar devices. Rockets, model airplanes, gliders, balloons, sky lanterns, floating luminary or similar devices powered with an engine, propellant, open flame or other feature liable to start or cause a fire shall not be projected into or across hazardous fire areas without prior approval of the fire code official.

SEC. 307.4.3 PORTABLE OUTDOOR FIREPLACES.

Section 307.4.3 of the California Fire Code is *revised* to read:

Sec. 307.4.3 Portable outdoor fireplaces. Portable outdoor fireplaces shall be used in accordance with the manufacturer's instructions and shall not be operated within 15 feet (3048 mm) of a structure or combustible material.

Exception: Portable outdoor fireplaces used at one-and two-family dwellings. *All "warming fires", by which open burning of wood, shall have installed a "spark arrester" of ½" screen mesh or smaller installed or used in accordance with the manufacturer's instructions.*

SEC. 307.5 ATTENDANCE OF OPEN BURNING AND RECREATIONAL FIRES.

Section 307.5 of the California Fire Code is *revised* to read:

Sec. 307.5 Attendance. Open burning, bonfires, recreational fires and the use of portable outdoor fireplaces shall be constantly attended *by an adult* until the fire is extinguished. Not fewer than one portable fire extinguisher complying with section 906 with a minimum 4-A rating or other approved on-site fire-extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization.

SEC. 325. MID-RISE BUILDINGS.

Section 325 is added to the California Fire Code to read:

Sec 325.1 General. A newly constructed mid-rise building or a mid-rise building which undergoes a complete renovation that requires the building to be completely vacated shall comply with this section.

Exceptions:

1. Buildings used exclusively as an open parking garage.
2. Buildings where all floors above the fourth floor level are used exclusively as an open parking garage.
3. Buildings such as a power plant, lookout tower, steeple, grain house, and other similar structures with intermittent human occupancy.

Sec. 325.1.1 Automatic sprinkler systems and standpipes. Mid-rise buildings shall be protected throughout by an automatic sprinkler system designed and installed in conformance with the NFPA 13 edition as referenced in Chapter 80 of CFC and in accordance with the following:

1. A control valve and a water flow alarm shall be provided for each floor. Each control valve and water flow alarm shall be electronically supervised.
2. Mid-rise buildings shall be provided with a Class I standpipe system that is interconnected with the automatic sprinkler system. The system shall consist of 2½-inch hose valves located in each stair enclosure on every floor. Two hose outlets shall be located on the roof outside of each stair enclosure which penetrates the roof. The standpipe system shall be designed, installed and tested in accordance with the NFPA 14 edition as referenced in Chapter 80 of CFC.
3. Fire department standpipe connections and valves serving each floor shall be located in the vestibule and located in a manner so as not to obstruct egress when hose lines are connected and charged.

Sec. 325.1.2 Smoke detection. Smoke detectors shall be provided in accordance with this section. Smoke detectors shall be connected to an automatic fire alarm system and shall be installed in accordance with the NFPA 72 edition as referenced in Chapter 80 of CFC. The actuation of any device required by this section shall operate the emergency voice alarm signal system and shall operate all equipment necessary to prevent the circulation of

smoke through air return and exhaust ductwork. Smoke detectors shall be located as follows:

1. In every mechanical equipment, electrical, transformer, telephone equipment, unmanned computer equipment, elevator machinery or similar room and in all elevator lobbies. Elevator lobby detectors shall be connected to an alarm verification zone or be listed as a releasing device.
2. In the main return air and exhaust air plenum of each air conditioning system. The smoke detector shall be located in a serviceable area downstream of the last duct inlet.
3. At each connection to a vertical duct or riser serving two or more stories from a return air duct or plenum of an air conditioning system. In Group R-1 and R-2 occupancies, an approved smoke detector is allowed to be used in each return air riser carrying not more than 5,000 cubic feet per minute and not serving more than 10 air inlet openings.
4. For Group R-1 and R-2 occupancies in all corridors serving as a means of egress for an occupant load of 10 or more persons.

Sec. 325.1.3 Fire alarm system. An approved and listed, automatic and manual, fully addressable and electronically supervised fire alarm system shall be provided in conformance with this code and the California Building Code & NFPA 72 edition as referenced in Chapter 80 of CFC.

Sec. 325.1.4 Emergency voice alarm signaling system. The operation of any automatic fire detector or water flow device shall automatically sound an alert tone followed by a pre-recorded voice instruction giving appropriate information and direction on a general or selective basis to the following terminal areas:

1. Elevators
2. Elevator lobbies
3. Corridors
4. Exit stairways
5. Rooms and tenant spaces
6. Dwelling units
7. Hotel guest rooms
8. Areas designated as safe refuge within the building

Sec. 325.1.5 Fire command center. A fire command center for fire department operations shall be provided. The location and accessibility of the fire command center shall be approved by the *fire* code official. The room shall be separated from the remainder of the

building by not less than a 2-hour fire barrier. The room shall be a minimum of 200 square feet with a minimum dimension of 10 feet. It shall contain the following facilities at a minimum:

1. Voice alarm and public address panels
2. Fire department communications panel
3. Fire alarm annunciator panel
4. Elevator annunciator panel (when building exceeds 55 feet in height)
5. Status indicators and controls for air-handling systems (stairwell pressurization)
6. Controls for unlocking stairwell doors
7. Fire pump status indicators (if required)
8. Set of complete building plans
9. Elevator control switches for switching of emergency power
10. Worktable

Sec. 325.1.6 Annunciation identification. Control panels in the central control station shall be permanently identified as to their function. Water flow, automatic fire detection and manually activated fire alarms, supervisory and trouble signals shall be monitored by an approved UL-listed central monitoring station and annunciated in the fire command center by means of an audible and visual indicator. For the purposes of annunciation, zoning shall be in accordance with the following:

1. When the system serves more than one building, each building shall be a separate zone.
2. Each floor in a building shall be a separate zone.
3. When one or more risers serve the same floor, each riser shall be a separate zone.

Sec. 325.1.7 Elevators. Elevators and elevator lobbies shall comply with Chapter 30 of the California Building Code. At least one elevator cab shall be assigned for fire department use and shall serve all floors of the building. This cab shall be large enough to accommodate an ambulance-type stretcher in accordance with section 3002.4 of the California Building Code.

Sec. 325.1.8 Fire department communication system. An approved two-way fire department communication system designed and installed in accordance with the NFPA 72 edition referenced in Chapter 80 of CFC shall be provided for fire department use per section 907.2.13.2.

Sec. 325.1.9 Means of egress. In addition to the requirements of Chapter 10, egress components of mid-rise buildings shall comply with sections 325.1.9.1 through 325.1.9.5.

Sec. 325.1.9.1 Extent of enclosure. Stairway enclosures shall be continuous and shall fully enclose all portions of the stairway. Exit enclosures shall exit directly to the

exterior of the building or include an exit passageway on the ground floor leading to the exterior of the building. Each exit enclosure shall extend completely through the roof and be provided with a door that leads onto the roof.

Sec. 325.1.9.2 Pressurized enclosures and stairways. All required stairways and enclosures in a mid-rise building shall be pressurized as specified in section 909. Pressurized stairways shall be designed to exhaust smoke manually when needed.

Sec. 325.1.9.3 Vestibules. Pressurized stairway enclosures serving a mid-rise building shall be provided with a pressurized entrance vestibule on each floor that complies with section 909.

Sec. 325.1.9.4 Pressure differences. The minimum pressure difference between a vestibule and adjacent areas shall comply with section 909.

Sec. 325.1.9.5 Locking of stairway doors. All stairway doors that are locked to prohibit access from the interior of the stairway shall have the capability of being unlocked simultaneously, without unlatching, upon a signal from the fire command center. Upon failure of normal electrical service or activation of any fire alarm, the locking mechanism shall automatically retract to the unlocked position.

A telephone or other two-way communication system connected to an approved emergency service which operates continuously shall be provided at not less than every third floor in each required exit stairway vestibule.

Approved signage stating doors are locked shall be provided in each stairwell vestibule on each floor in which entry may be made and on each floor in which a telephone is located. Hardware for locking stairway vestibule doors shall be State Fire Marshal listed and approved by the fire code official by permit before installation. Stairway doors located between the vestibules and the stairway shaft shall not be locked.

SEC. 326 STORAGE OF FIREWOOD. (T14 1299.03 B2) Zone 2

Section 326 is added to the California Fire Code to read:

Sec. 326.1 General. Firewood shall not be stored in an unenclosed space beneath a building or structure, on a deck or under eaves, a canopy or other projection or overhang. When required by the fire code official, firewood or other combustible material stored in the defensible space surrounding a structure shall be located at least 30 feet from any structure and separated by a minimum of 15 feet from the drip line of any trees, measured horizontally. Firewood and combustible materials not for use on the premises shall be stored so as to not pose a fire hazard. Wood storage shall be located on bare soil or a non-combustible material. Minimum clearance around wood storage pile shall be 10' bare soil, free of vegetation or other combustible material measured on a horizontal plane. The maximum size of wood storage shall be 2 cords of woods with the pile dimensions no greater than 4 feet in height, 4 feet in width, and 16 feet in length.

Exception: Permit may be issued by the FAHJ for wood storage amounts in excess of this section.

SEC. 501.3.2 FIRE APPARATUS ACCESS MODIFICATIONS

Section 501.3.2 is added to the California Fire Code to read:

Sec. 501.3.2 Fire apparatus access modifications. Plans for the modification of fire apparatus access road shall be submitted to the fire code official for review and approval prior to construction or modification of any fire apparatus road.

SEC. 503 FIRE APPARATUS ACCESS ROADS

Section 503 of the California Fire Code is *revised* to read:

Sec. 503.1 General. Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3.

Fire apparatus access roads shall be provided and maintained in compliance with this section and the most recent edition and any amendments thereto, of public and private road standards as adopted by the County of San Diego (San Diego County Standards for Private Roads and Public Roads, San Diego County Department of Public Works). The fire code official may modify the requirements of this section if the modification provides equivalent access.

503.1.1 Buildings and facilities. *Approved* fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the

requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the *exterior walls* of the first story of the building as measured by an *approved* route around the exterior of the building or facility.

Exceptions:

1. The *fire code official* is authorized to increase the dimension of 150 feet (45 720 mm) where any of the following conditions occur:

- 1.1 The building is equipped throughout with an *approved automatic sprinkler system* installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3.

- 1.2. Fire apparatus access roads cannot be installed because of location on property, topography, waterways, non-negotiable grades or other similar conditions, and an *approved* alternative means of fire protection is provided.

- 1.3. There are not more than two Group R-3 or Group U occupancies.

2. Where approved by the *fire code official*, fire apparatus access roads shall be permitted to be exempted or modified for solar photovoltaic power generation facilities.

Sec. 503.1.2 Additional access. The fire code official is authorized to require *Discretionary projects located in State Responsibility Areas (SRA) & Local Responsibility Areas (LRA) with any fire hazard severity zones* more than one fire apparatus access road. This requirement is based on the potential for impairment of a single road by vehicle congestion, condition of terrain, climatic conditions or other factors that could limit access. *When additional fire apparatus access roads are necessary as mitigation for the exceedance of the maximum allowable dead-end road length, the additional fire apparatus access road must be remote from the primary fire apparatus access road.*

Sec. 503.1.2.1 Secondary Access When Required. *When new subdivisions are proposed secondary access is required pursuant to Sec. 503.2.5.1 or in instances the fire code official determines that secondary access is required.*

Sec. 503.1.3 High-piled storage. Fire department vehicle access to buildings used for high-piled combustible storage shall comply with the applicable provisions of Chapter 32.

503.2 Specifications. Fire apparatus access roads shall be installed and arranged in accordance with Sections 503.2.1 through 503.2.9.

Sec. 503.2.1 Dimensions. *The dimensions of fire apparatus access roads shall be in accordance with the following:*

(a) Fire apparatus access roads shall have an unobstructed improved width of not less than 24 feet, except as provided in section 503.2.1.1 for single-family residential driveways serving no more than two residential parcels, which shall have a minimum of 16 feet of unobstructed improved width. Any of the following, which have separated lanes of one-way traffic: gated entrances with card readers, guard stations or center medians, are allowed, provided that each lane is not less than 14 feet wide.

(b) Fire apparatus access roads that are public or private roads which are provided or improved as a result of a Tentative Map, Tentative Parcel Map or a Major/Minor Use Permit shall have the dimensions as set forth by the County of San Diego Standards for Public and Private Roads.

(c) All fire apparatus access roads shall have an unobstructed vertical clearance of not less than 13 feet 6 inches.

(d) Vertical clearances or road widths shall be increased when the fire code official determines that vertical clearances or road widths are not adequate to provide fire apparatus access.

(e) Vertical clearances or road width may be reduced when the fire code official determines the reduction does not impair access by fire apparatus. In cases where the vertical clearance has been reduced, approved signs shall be installed and maintained indicating the amount of vertical clearance.

(f) Driveways exceeding 150 feet in length, but less than 600 feet in length, shall provide a turnout near the midpoint of the driveway. Where the driveway exceeds 600 feet, turnouts shall be provided no more than 400 feet apart.

(g) For buildings that are more than 35 feet in height, a 35-foot unobstructed fire lane shall be provided. Unless otherwise approved by the fire code official. Fire apparatus access roads shall have an unobstructed width of not less than 35 feet when within laddering distance of buildings exceeding 35 feet in height. The access road shall be set back from buildings exceeding two stories in height such that the centerline of the fire access road shall be equal to 1/4 the difference in elevation from the fire access road to the roof. The building curbside access roads serving buildings over two stories in height but less than 44 feet in height shall be permitted to be up to 10 feet away from the building.

AMENDMENT TO SECTION 503.2.1

Sec. 503.2.1 Road phasing requirement for single family dwellings on existing legal parcels.

(a) The fire apparatus access road requirement for widening an existing, improved and paved fire apparatus access roadway shall be as provided in Table 503.2.1. The fire apparatus access road shall be constructed to extend from the property line to the nearest public road.

TABLE 503.2.1 -PHASING REQUIREMENT
Fire Apparatus Access Roadway – Single Family Dwellings

Number of Parcels Served	Unobstructed Road Width	Roadways Over 600 foot Long
1-2	16-foot, paved	Turnouts every 400 feet
3-8	20-foot, paved	Turnouts every 400 feet
9 or more	24-foot, paved	Not required

(b) The fire apparatus access road shall not be required to be improved for a non-habitable accessory structure or a residential addition or remodel less than 500 square feet if the fire apparatus access road has already been improved and paved to a minimum width of 20 feet. If the road is less than 20 feet wide, the roadway shall be widened to 20 feet. *The preceding addition or remodel exception is limited to one permit per three-year period from the date of the last permit approval.*

Exception: Vertical clearances or road width may be reduced when the fire code official determines the reduction does not impair access by fire apparatus. In cases where the vertical clearance has been reduced, approved signs shall be installed and maintained indicating the amount of vertical clearance.

Sec. 503.2.2 Authority to increase minimums. The fire code official shall have the authority to require or permit modifications to the required access widths where they are inadequate for fire or rescue operations or where necessary to meet the public safety objectives of the jurisdiction.

AMENDMENT TO SECTION 503.2.3

Sec. 503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus (not less than 75,000 lbs. unless authorized by the FAHJ) and shall be provided with an approved paved surface so as to provide all weather driving capabilities. The paving and sub-base shall be installed to the standards specified in the County of San Diego Parking Design Manual. A residential driveway constructed of 3½" Portland cement concrete may be installed on any slope up to 20% provided that slopes over 15% have a deep broom finish perpendicular to the direction of travel or other approved surface to enhance traction.

Sec. 503.2.4 Roadway radius. *The horizontal inside radius of a fire apparatus access road shall comply with the County of San Diego Public and Private Road Standards approved by the Board of Supervisors. The horizontal inside radius of any public or private driveway shall be a minimum of 28 feet, as measured on the inside edge of the improvement width or as approved by the fire code official. The length of vertical curves of fire apparatus access roads shall not be less than 100 feet, or as approved by the fire code official.*

Sec. 503.2.5 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved area for turning around *emergency* apparatus.

Sec. 503.2.5.1 Dead end roads turn-around required. *A cul-de-sac or other approved turn-around shall be provided in residential areas where the fire apparatus access roads serve 3 or more parcels. The minimum unobstructed radius width for a cul-de-sac in a residential area shall be 36 feet paved, 40 feet graded, or as approved by the fire code official. The fire code official shall establish a policy identifying acceptable turnarounds for various project types. See Annex A & B for illustrations*

Sec. 503.2.5.2 Dead-end roads. *The maximum length of a dead-end road, including all dead-end roads accessed from that dead-end road, shall not exceed the following cumulative lengths, regardless of the number of parcels served:*

(Title 14 SRA 1273.09 Ref.)

**ZONING FOR PARCEL SERVED
BY DEAD-END ROAD(s)**

**CUMULATIVE LENGTH
OF DEAD-END ROAD(s)**

Parcels zoned for less than 1 acre	800 feet
Parcels zoned for 1 acre to 4.99 acres	1,320 feet
Parcels zoned for 5 acres to 19.99 acres	2,640 feet
Parcels zoned for 20 acres or larger	5,280 feet table

All lengths shall be measured from the edge of the roadway surface at the intersection where the road begins to the end of the road surface at its farthest point. Where a dead-end road crosses areas of differing zoned parcel sizes, requiring different length limits, the shortest allowable length shall apply. Where parcels are zoned 5 acres or larger, turnarounds shall be provided at a maximum of 1,320-foot intervals. Each dead-end road shall have a turnaround approved by the fire code official and constructed at its terminus.

A turnaround shall be provided to all building sites on driveways over 150 feet in length and shall be within fifty (50) feet of the building.

Sec. 503.2.6 Bridges and elevated surfaces. Where a bridge or an elevated surface is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with AASHTO HB-17. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus. Vehicle load limits *and clearance limitations* shall be posted at both entrances to bridges where 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 where required by the fire code official.

Sec. 503.2.6.1 Bridges with one traffic lane. *When approved by the fire code official, private bridges providing access to not more than two residential dwellings may have one 12-foot-wide travel lane and it shall provide for unobstructed visibility from one end to the other, and turnouts shall be provided at both ends.*

Sec. 503.2.7 Grade. *The gradient for a fire apparatus access roadway shall not exceed 15.0%. The fire code official may allow roadway grades up to 20.0% provided that the roadway surface conforms to section 503.2.3. The fire code official may require additional mitigation measures.*

Sec 503.2.7.1 Cross-Slope. *The standard cross-slope shall be 2 percent; minimum cross-slope shall be 1 percent; maximum cross-slope shall be 5 percent.*

Sec. 503.2.8 Angles of Approach and Departure. The angles of approach and departure for fire apparatus access roads shall *not exceed 7 degrees (12 %) for the first 30' or as approved by the fire code official* and shall not allow for transitions between grades that exceed 6% elevation change along any 10-foot section.

Sec. 503.2.9 Roadway Turnouts. *When required by the fire code official, turnouts shall be a minimum of 12 feet wide and 30 feet long with a minimum 25-foot taper on each end. (Title 14 SRA 1273.06)*

Exception: *The minimum width of the turnout may be reduced to 10 feet wide when the fire code official determines the reduction does not impair access by fire apparatus.*

Sec. 503.3 Marking. When required by the fire code official, approved signs or other approved notices or markings that include the words “NO PARKING FIRE LANE” shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. *Signs or notices* shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility

Sec. 503.3.1 Fire Lane Designation. *Where the fire code official determines that it is necessary to ensure adequate fire access, the fire code official may designate existing roadways as fire apparatus access roads as provided by Vehicle Code section 22500.1.*

Sec. 503.4 Obstruction of fire apparatus access roads. Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum road widths and clearances established in sections 503.2.1 and 503.2.2 shall be maintained at all times.

Sec. 503.4.1 Traffic calming devices. Traffic calming devices (*including, but not limited to, speed bumps, speed humps, speed control dips, etc.*) shall be prohibited unless approved by the fire code official.

Sec. 503.5 Required gates or barricades. The fire code official is authorized to require the installation and maintenance of gates or other approved barricades across fire apparatus access roads, trails or other access ways, not including public streets, alleys or highways. Electric gate openers, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

Sec. 503.5.1 Secured gates and barricades. When required, gates and barricades shall be secured *as approved by the fire code official*. Roads, trails and other access ways that have been closed and obstructed in the manner prescribed by section 503.5 shall not be trespassed on or used unless authorized by the owner and the fire code official.

Exception: The restriction on use shall not apply to public officers acting within the scope of duty.

Sec. 503.5.2 School fences and gates. *School grounds may be fenced, and gates therein may be equipped with locks, provided that safe dispersal areas based on three square feet per occupant are located between the school and the fence. Such required safe dispersal areas shall not be located less than 50 feet from school buildings.*

Every public and private school shall conform to Education Code section 32020, which states:

The governing board of every public school district and the governing authority of every private school, which maintains any building used for the instruction or housing of school pupils on land entirely enclosed (except for building walls) by fences or walls, shall, through the cooperation of local law enforcement and fire protection agencies having jurisdiction of the area, provide for the erection of gates in these fences or walls. The gates shall be of sufficient size to permit the entrance of ambulances, police equipment and fire-fighting apparatus used by law enforcement and fire protection agencies. There shall be no less than one access gate and there shall be as many of these gates as needed to ensure access to all major buildings and ground areas. If these gates are equipped with locks, the locking devices shall be designed to permit ready entrance by the use of chain or bolt-cutting devices with which the local law enforcement and fire protection agencies may be equipped.

Sec. 503.6 Security gates. *No person shall install a security gate or security device across a fire apparatus access road without the fire code official's approval.*

- 1. An automatic gate across a fire access road or driveway shall be equipped with an approved emergency key-operated switch overriding all command functions and opening the gate.*
- 2. A gate accessing more than four residences or residential lots or a gate accessing hazardous, institutional, educational or assembly occupancy group structure, shall also be equipped with an approved emergency traffic control-activating strobe light sensor or other device approved by the fire code official, which will activate the gate on the approach of emergency apparatus.*
- 3. An automatic gate shall be provided with a battery back-up or manual mechanical disconnect in case of power failure with "fail open" and "fail secure" options enabled to prevent entrapment.*
- 4. An automatic gate shall meet fire department policies deemed necessary by the fire code official for rapid, reliable access.*
- 5. When required by the fire code official, an automatic gate in existence at the time of adoption of this chapter is required to install an approved emergency key-operated switch or other mechanism approved by the fire code official, at an approved location, which overrides all command functions and opens the gate. A property owner shall comply with this requirement within 90 days of receiving written notice to comply.*
- 6. Where this section requires an approved key-operated switch, it may be dual-keyed or equipped with dual switches provided to facilitate access by law enforcement personnel.*
- 7. All gates providing access from a road to a driveway shall be located a minimum of 30 feet from the nearest edge of the roadway and shall be at least two feet wider than the width of the traffic lane(s) serving the gate.*

8. *Electric gate openers, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.*

SEC. 505 PREMISES IDENTIFICATION

Section 505 of the California Fire Code is *revised* to read:

Sec. 505.1 Address identification. New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property.

Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches (102 mm) high with a minimum stroke width of ½-inch (12.7 mm) *for residential buildings, 8 inches high with a 1-inch stroke for commercial and multi-family residential buildings, and 12 inches high with a 1-inch stroke for industrial buildings.* Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address identification shall be maintained.

Sec. 505.2 Street or road signs. Streets and roads shall be identified with approved signs. Temporary signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles. Signs shall be of an approved size, weather-resistant and be maintained until replaced by permanent signs. *All new public roads, all private roads within major subdivisions and all private road easements serving four or more parcels shall be named. Road name signs shall comply with County of San Diego Department of Public Works Design Standard #DS-13.*

Sec 505.2.1 Traffic Access Limitations. *Signs identifying traffic access limitations shall be placed at the intersection preceding the traffic access limitation, and no more than 100 feet before such traffic access limitation*

Sec. 505.3 Easement address signs. *A road easement which is not named differently from the roadway from which it originates shall have an address sign installed and maintained listing all street numbers occurring on that easement. The sign shall be located where the easement intersects the named roadway. The numbers on the sign shall contrast with the background and have a minimum height of 4 inches and a minimum stroke of ½-inch.*

Sec. 505.4 Directory map. *A lighted directory map acceptable to the FAHJ, shall be installed at the driveway entrance to a residential multi-family project or a mobile home park, with more than 15 units.*

Sec. 505.5 Response map updates. *Any new development which necessitates updating emergency response maps due to new structures, hydrants, roadways or similar features shall be required to provide map updates in a format compatible with current department mapping services and shall be charged a reasonable fee for updating all response maps.*

SEC. 506.1.3 EMERGENCY KEY ACCESS.

Section 506.1.3 is added to the California Fire Code portion to read:

Sec. 506.1.3 Emergency key access. All central station-monitored fire detection systems and automatic sprinkler systems shall have an approved emergency key access box on site in an approved location. The owner or occupant shall provide and maintain current keys for any structure for fire department placement in the box and shall notify the fire department in writing when the building is re-keyed.

SEC. 507.2 TYPE OF WATER SUPPLY.

Section 507.2 of the California Fire Code is *revised* to read:

Sec. 507.2 Type of water supply. A water supply *may* consist of reservoirs, pressure tanks, elevated tanks, water mains or other fixed systems, *as approved by the fire code official*, capable of providing the required fire flow. *In setting the requirements for fire flow, the fire code official shall follow section 507.3 or Appendix B of the CFC, or the standard published by the Insurance Service Office, "Guide for Determination of Required Fire Flow".*

Sec. 507.2.1 Private fire service mains. Private fire service mains and appurtenances shall be installed in accordance with NFPA 24 as referenced in Chapter 80 of CFC.

Sec. 507.2.2 Water tanks. Water tanks for private *residential* fire protection, *when authorized by the fire code official*, shall *comply with Table 507.2.2* and be installed in accordance with the NFPA 22 edition referenced in Chapter 80 of CFC. Water tanks for *commercial* fire protection, *when authorized by the fire code official*, shall be installed in accordance with the NFPA 22 edition referenced in Chapter 80 of CFC. *Water tanks are only allowed if a letter from the applicable water district is provided stating that extending the water line and adding a hydrant is unserviceable.*

TABLE 507.2.2 RESIDENTIAL WATER TANK REQUIREMENTS			
Building Square Feet	Gallons Per Minute Water Flow	Capacity Gallons	Duration Minutes
Up to 1,500	250	5,000	20
Over 1,500	250	10,000	40
When the exposure distance is one hundred feet (100') or less from an adjacent property, or where additional hazards or higher fire flow exists, the required water storage may be modified by the fire code official.			

1. Tank bottom elevation shall be equal to or higher than the fire department connection on the premises. Regardless of domestic use, all tanks shall be equipped with a device that will ensure that the tank contains the designated amount of water for fire flow duration as determined by the FAHJ. Tank size may be increased to serve multiple structures on a single parcel. The bottom of the water storage tank shall be level with or above the building pad.

2. Supply outlet shall be at least one-4 inch in diameter from the base of the tank to the point of outlet at the fire department connection. The fire department connection shall have an approved means of controlling water flow. The fire department connection shall be at least one-4 inch National Standard Thread (male), reduced to one- 2½ inch National Standard Thread (male). Additional outlets may be required.

3. Location of fire department outlet shall be shown on the plot plan when submitted to the FAHJ. Consideration will be given to topography, elevations, and distance from structures, driveway access, prevailing winds, etc.

4. The outlet shall be located along a fire apparatus access roadway and shall not be closer than 50 feet or further than 150 feet from the structure unless approved by the FAHJ.

5. All exposed tank supply pipes shall be listed for above-ground use as per the NFPA 13 edition referenced in Chapter 80 of CFC. Adequate support shall be provided.

6. Water storage tanks shall be constructed from materials approved by NFPA 22, edition referenced in Chapter 80 of CFC and installed per manufacturer instructions.

7. Plans shall be submitted to the FAHJ for approval prior to tank installation. Tanks shall be installed as per County Zoning setback requirements. See “Annex F” example plan submittal.

8. Vessels previously used for products other than water shall not be allowed.

9. All underground piping serving the fire department connection shall be listed and approved as per NFPA 24, edition referenced in Chapter 80 of CFC.

SEC. 507.3 FIRE FLOW.

Section 507.3 of the California Fire Code is *revised* to read:

Sec. 507.3 Fire flow. Fire flow requirements shall be based on Appendix B of the California Fire Code, or the standard published by the Insurance Services Office, “Guide for Determination of Required Fire Flow.” Consideration should be given to increasing the gallons per minute to protect buildings and structures of extremely large square footage and for such reasons as: poor access roads, grade and canyon rims, hazardous brush and response times greater than five minutes by a recognized fire department or fire suppression company. In hazardous fire areas the main capacity for new subdivisions shall not be less than 2,500 – 3,000 gallons per minute, unless otherwise approved by the fire code official. If fire flow increases are not feasible, the fire code official may require alternative design standards such as: alternative types of construction that provides a higher level of fire resistance, fuel break requirements, which may include required irrigation, modified access

road requirements, specified setback distances for building sites addressing canyon rim developments and hazardous brush areas, and other requirements as authorized by this chapter and as required by the fire code official.

SEC. 507.5.7 FIRE HYDRANT AND FIRE VALVE LOCATION.

Section 507.5.7 is added to the California Fire Code to read: *(Title 14 1275.15)*

Sec. 507.5.7 Fire hydrant and fire valve location. The fire hydrant or fire valve shall be between 14 to 24 inches above grade, no closer than 4 feet nor further than 10 feet from the roadway, and 10 feet from combustible vegetation.

Sec. 507.5.7.1 Signing of water sources and fire department connections. *The fire code official shall require fire hydrants and fire department connections to be identified. Fire hydrants shall be identified by a reflective blue marker and fire department connections shall be identified by a reflective green marker, with a minimum dimension of 3 inches, in the center of the travel lane adjacent the water source, or by other methods approved by the fire code official.*

All materials shall be listed and approved by the water purveyor and/or fire code official. The fire code official may require a fire hydrant to have any combination of one-4 inch and one-2 ½ inch outlets with National Standard Threads.

SEC. 507.5.8 WATERLINE EXTENSIONS.

Section 507.5.8 is added to the California Fire Code to read:

Sec. 507.5.8 Waterline Extensions. The fire code official may require a waterline extension for the purpose of installing a fire hydrant if a water main is 1,500 feet or less from the property line. Water tanks are only allowed if a letter from the applicable water district is provided stating that extending the water line and adding a hydrant is unserviceable.

SEC. 605.3.1 SPARK ARRESTERS.

Section 605.3.1 is added to the California Fire Code to read:

Sec. 605.3.1 Spark arresters. All buildings and structures having a chimney, flue or stovepipe attached to a fireplace, stove, barbecue or other solid or liquid fuel burning equipment or device shall have the chimney, flue or stovepipe equipped with an approved spark arrester. An approved spark arrester is a device intended to prevent sparks from escaping into the atmosphere, constructed of welded or woven wire mesh, 12-gauge

thickness or larger, with openings no greater than ½” inch, or other alternative material the FAHJ determines provides equal or better protection.

SEC. 605.8.1 RESIDENTIAL INCINERATORS.

Section 605.8.1 of the California Fire Code is *revised* to read:

Sec. 605.8.1 Residential Incinerators. *Residential incinerators are prohibited in the unincorporated area of the County.*

SEC. 903.2 AUTOMATIC SPRINKLER SYSTEMS-WHERE REQUIRED.

Section 903.2 of the California Fire Code is *revised* to read:

AMENDMENT TO SECTION 903.2

The Rancho Santa Fe Fire Protection District has adopted the following code amendment:

903.2 Where required. Approved automatic sprinkler systems shall be installed in all new buildings. For the purpose of automatic sprinkler systems, buildings separated by less than 10 feet from adjacent buildings shall be considered one building. Fire barriers and partitions, regardless of rating, shall not be considered as creating separate buildings for purposes of determining automatic sprinkler system requirements. Mezzanines shall be included in the total square footage calculation. All new buildings constructed shall have an approved NFPA 13, NFPA 13R or NFPA 13D automatic sprinkler system installed as per 903.3.1.1, 903.3.1.2 or 903.3.1.3. The Fire Code Official has the final decision of which NFPA 13 standard to apply, NFPA 13R or NFPA 13D as required due to access, water supply and travel time. R-3 Occupancies over 6000 square feet shall be designed and installed to NFPA 13R most recent edition referenced in Chapter 80 CFC.

Exceptions:

1. Group U occupancies not greater than 500 square feet, when the building is 20 feet or more from an adjacent building and 30 feet from property line measured from the farthest projection from the building.
2. Agricultural buildings constructed of wood or metal frames over which fabric or similar material is stretched, which are specifically used as green houses are exempt from the automatic sprinkler system requirements unless physically connected to other buildings.

903.2 (a) Additions. An automatic sprinkler system shall be required to be installed throughout the building when the addition is more than 50% of the existing building or when the altered building will exceed a fire flow as calculated pursuant to section 507.3. The fire code official may require an automatic sprinkler system to be installed in buildings

where no water main exists to provide the required fire flow or where a special hazard exists, such as poor access roads, steep grades and canyon rims, hazardous brush and response times greater than 5 minutes by a fire department. The fire code official may require that other protective measures be taken based on existing conditions and/or potential hazards. The preceding addition or remodel exception is limited to one permit per three-year period from the date of the last permit approval.

903.2 (b) Remodels or reconstructions. The fire code official may require an automatic sprinkler system to be installed throughout buildings if a remodel or reconstruction includes significant modification to the interior or roof of the building. The fire code official may require that other protective measures be taken based on existing conditions and/or potential hazards. The preceding addition or remodel exception is limited to one permit per three-year period from the date of the last permit approval.

903.2 (c) Group U Occupancies. For Group U Occupancies greater than 500 square feet, an approved automatic sprinkler system shall be installed as per NFPA 13D edition referenced in Chapter 80 CFC, or as approved by the FAHJ.

SEC. 903.4 AUTOMATIC SPRINKLER SYSTEM MONITORING AND ALARMS.

Section 903.4 of the California Fire Code is *revised* to read:

Sec. 903.4 Automatic Sprinkler system supervision and alarms. All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures and water-flow switches on all automatic sprinkler systems shall be electronically supervised by a listed fire alarm control unit.

Exceptions:

1. Automatic sprinkler systems *with less than 100 fire sprinklers* protecting one-family and two-family dwellings and Group U occupancies.
2. Limited area sprinkler systems in accordance with Section 903.3.8.
3. Automatic sprinkler systems installed in accordance with NFPA 13R edition referenced in Chapter 80 CFC. Where a common supply main is used to supply both domestic water and the automatic sprinkler system and a separate control valve for the automatic sprinkler system is not provided.
4. Jockey pump control valves that are sealed or locked in the open position.
5. Control valves to commercial kitchen hoods, paint spray booths or dip tanks that are sealed or locked in the open position.
6. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
7. Trim valves to pressure switches in dry, preaction and deluge sprinkler systems that are sealed or locked in the open position.

SEC. 1205.5 GROUND-MOUNTED PHOTOVOLTAIC ARRAYS.

Section 1205.5 of the California Fire Code is *revised* to read:

Sec. 1205.5 Ground-mounted photovoltaic arrays. *Ground-mounted photovoltaic array installations shall meet the requirements of sections 1205.5.1 through 1205.5.4.*

Sec. 1205.5.1 Fire apparatus access roads. *Fire apparatus access roads to ground-mounted photovoltaic arrays, associated equipment structures and operations/maintenance buildings shall comply with section 503.*

Exception: *Private residential and agricultural systems less than 10 acres in size and where the energy generated is primarily for on-site use are exempt from this requirement subject to the approval of the fire code official.*

Sec. 1205.5.2 Perimeter fire apparatus access roadway. *Ground-mounted photovoltaic arrays 10 acres or larger in size shall provide a fire apparatus access roadway around the perimeter of the project. The perimeter fire apparatus access roadway shall comply with section 503.*

Sec. 1205.5.3 Fuel modification. *Combustible vegetation within the array and to a distance of 30 feet from the array and associated equipment shall be reduced to a height of no more than 6 inches. The fuel modification zone may be increased when required by the fire code official or as recommend by a fire protection plan.*

Exception: *For private residential and agricultural systems less than 10 acres in size and where the energy generated is used primarily on-site, the required fuel modification zone may be reduced to 10 feet from the array and associated equipment.*

Operation/maintenance buildings shall be provided with fuel modification zones that comply with section 4907.5.

Sec. 1205.5.4 Water supply. *Water supply for fire protection and suppression shall be provided for equipment structures and operations/maintenance buildings as required by section 507.*

Sec. 1205.6 Identification. *Ground-mounted photovoltaic arrays with multiple equipment structures shall include a means of readily identifying each equipment structure. The fire code official may require a lighted directory map of the project to be installed on-site near the entrance to the facility for projects of 10 or more acres in size.*

SEC. 2808 STORAGE AND PROCESSING OF WOOD CHIPS, HOGGED MATERIAL, FINES, COMPOST, SOLID BIOMASS FEEDSTOCK AND RAW PRODUCT ASSOCIATED WITH YARD WASTE, AGRO-INDUSTRIAL AND RECYCLING FACILITIES.

Section 2808 of the California Fire Code is *revised* to read:

Sec. 2808.1 General. The storage and processing (mulching, composting) of wood chips, hogged materials, fines, compost, solid biomass feedstock and raw product produced from yard waste, debris and agro-industrial and recycling facilities shall be in accordance with section 2808.1 through 2808.10.10.

Sec. 2808.2 Storage sites. Storage sites shall be level and on solid ground or another approved all-weather surface.

Sec. 2808.3 Size of piles. Pile height, width and length shall be limited to criteria approved by the fire code official, based in part on the site material handling equipment. In no case shall a pile exceed 12 feet in height, 100 feet in width and 200 feet in length.

Sec. 2808.4 Pile separation. Piles shall be separated from adjacent piles and property lines by fire department access roadways.

Sec. 2808.5 Combustible vegetation control. The operator shall clear any combustible material, weeds, brush, trees or other vegetation (including mulch) that is or may become, dry and capable of transmitting fire, from within 50 feet of raw greenwaste and mulch piles. Clearance shall be to bare earth or approved pavement. Individual growing trees within that distance may remain, subject to the fire code official's approval.

Sec. 2808.6 Static pile protection. Interior pile temperatures shall be monitored and recorded on a regular basis per the Operational Plan. Internal pile temperatures shall be taken at $\frac{2}{3}$ the pile height, 12 to 24 inches from the surface with a probe-type thermometer. Readings shall be made at not greater than 50-foot intervals along the length of the pile. Temperatures above 158° F are known to adversely affect microbial decomposition and are considered excessive. Infrared thermometers may be used to monitor for hot spots at the surface but are not a substitute for internal probe measurement and documentation. Once windrows exceed 170° F, the windrows shall be reduced in size, be rotated and be monitored daily until temperatures drop below 158° F. All greenwaste stockpiles shall be re-mixed as necessary to alleviate any fire due to spontaneous combustion or temperatures above 170° F. Windrows shall be visually inspected on a regular basis. Once fires have been detected in any windrows at a site, this visual inspection shall be a minimum daily requirement. Daily inspections shall continue until the threat of fire no longer exists and the fire code official agrees inspections may be discontinued. All temperature and pile-handling records shall be kept on file at the site and be made available for inspection by

fire department personnel. Data shall include date, time, temperature, specific location and person conducting measurement.

Sec. 2808.7 Firefighting water supplies and storage. Firefighting water supplies shall conform to sections 2808.7.1 or 2808.7.2.

Sec. 2808.7.1 Public water supply. The operator shall provide and maintain approved fire hydrants and waterline mains as required by the fire code official. Water lines may be approved aboveground lines supplied from a reliable water supply with adequate protection against impact and fire flow reaction. Hydrant spacing shall be at 400-foot intervals along primary fire access roadways. Fire flow at each hydrant shall be least 1000 gallons per minute at 20 psi. Duration of the required fireflow shall be as determined by the fire code official.

Sec. 2808.7.2 Private water supply. Above-ground water storage tanks may be installed when authorized by the fire code official where public water supply is not adequate to meet fire flow requirements. Volume and duration of the required fireflow shall be as determined by the fire code official.

Sec. 2808.8 Fire Extinguishers:

Sec. 2808.9 Material-handling equipment. Equipment used on all piles should be of a type that minimizes compaction. All vehicles operating on or around the piles shall have a Class A fire extinguisher of a minimum 2-A rating, in addition to the Class B rating appropriate for the vehicles. Approved material-handling equipment shall be available during firefighting operations for moving wood chips, hogged material, compost and raw product produced from yard waste and wood fines.

Sec. 2808.10 Operational and emergency plans. The following operational and emergency action plans shall be submitted to and be approved by the fire code official prior to initiating an operation under section 2808.10 through 2808.10.10:

1. **Operational Plan.** The operational plan shall include: Site layout, pile dimensions, fire access, water supply, site security, site operations, temperature monitoring, rotation and diversion plan.

2. **Emergency Plan.** The emergency plan shall include: Operator fire response actions, fire dispersal area, emergency equipment operator callback and initiation of incoming diversion plan. All plans shall define the equipment necessary to process and handle the materials.

Sec. 2808.10.1 Permit required. A permit shall be obtained from the fire code official prior to engaging in the operation and storing process of wood chips, hogged

material, fines, compost and raw product in association with yard waste and similar material recycling facilities. The permit shall be renewed on an annual basis or shall be limited to such period of time as designated by the fire code official. Permits shall not be transferable and any change in use, location, occupancy, operation or ownership shall require a new permit.

Sec. 2808.10.2 Financial assurance for cost recovery. A security bond, irrevocable letter of credit or other approved form of financial assurance shall be required to be posted, in an amount determined by the fire code official. The financial assurance shall be a minimum of \$25,000.00 and a maximum of \$100,000.00, depending on the size of operation. The financial assurance shall reimburse the fire department for expenses incurred in any emergency response and/or enforcement action by the fire department to protect the public from fire or hazardous substances related to the operation. The financial assurance shall be returned to the operator in a timely fashion once the operation is closed to the satisfaction of the fire code official.

Sec. 2808.10.3 Notification of fire department. The operator shall report all fires to the fire department immediately upon discovery.

Sec. 2808.10.4 Equipment operator emergency callback. The operator shall implement and maintain a plan for rapid equipment operator response to the site. The maximum response time to the site shall be within one hour of a fire department notification. The following equipment shall be on site and staffed with skilled operators: bulldozer, loaders and heavy-duty equipment necessary to mitigate a fire. Notification procedure shall be maintained operational 24 hours a day, seven days a week. Notification may be by pager activation, telephone answering service, or other approved means.

Sec. 2808.10.5 Incoming waste diversion plan. The operator shall develop a diversion plan for incoming greenwaste for implementation in the event of equipment failure or other inability to process and distribute greenwaste. The plan shall prevent stockpiling of waste on the site and unauthorized depositing of waste on or near the site. The operator shall initiate the diversion plan based on criteria in the Operational and Emergency Plan without further direction from the fire department.

Sec. 2808.10.6 Unprocessable or non-greenwaste material. All greenwaste that cannot be processed on-site, such as stumps and fibrous plants, shall be immediately removed from the feedstock, stored in roll-off containers or bins and be removed from the facility on a weekly basis. All plastic bags shall be removed prior to shredding material.

Sec. 2808.10.7 Fire access roadway. A fire access roadway shall be provided to the site and on the site. Each roadway shall be at least 20 feet wide, but the fire code official may require a greater width, depending on site conditions. The operator shall also

be required to obtain the fire code official's approval for the type of driving surface for the onsite access roadway.

Sec. 2808.10.8 General safety rules for site equipment maintenance. Welding or cutting torch operations shall be conducted a minimum of 30 feet from combustible materials. A fire watch shall be provided to detect fire, and to operate fire-extinguishing equipment throughout the welding or cutting operation and 30 minutes thereafter. Refueling and on-site maintenance shall meet California Fire Code requirements in Chapters 23 & 57 and all other applicable fire code requirements.

Sec. 2808.10.9 Site security. Pile storage areas shall be surrounded with approved fencing. Fences shall be a minimum of 6 feet in height.

Sec. 2808.10.10 Smoking and open burning prohibited. The operator shall prohibit smoking and open flame on the operational site, including smoking within vehicles. Approved signs shall be clearly and prominently posted and shall be enforced by the site operators. No open burning shall be allowed on site.

SEC. 3319. FUEL MODIFICATION ZONE REQUIREMENTS

Section 3319 is added to the California Fire Code to read:

Sec. 3319.1 Fuel modification zone during construction. Any person doing construction of any kind which requires a permit under this code, or the County Building Code shall install a fuel modification zone prior to allowing any combustible material to arrive on the site and shall maintain the zone during the duration of the project.

SEC. 4902. DEFINITIONS.

Section 4902 of the California Fire Code is *revised* to read:

Sec. 4902.1 General. For the purposes of this chapter, certain terms are defined as follows:

BUILDING OFFICIAL means the Director of the Planning and Development Services, or any person appointed or hired by the Director to administer or enforce the County's planning and construction standards. The building official duties shall include plan checking, inspections and code enforcement.

COMBUSTIBLE VEGETATION means material that in its natural state will readily ignite, burn and transmit fire from native or landscape plants to any building or other vegetation. Combustible vegetation includes dry grass, brush, weeds, litter or other flammable vegetation that creates a fire hazard.

DEFENSIBLE SPACE is an area either natural or man-made, where material capable of allowing a fire to spread unchecked has been treated, cleared or modified to slow the rate and intensity of an advancing wildfire and to create an area for fire suppression operations to occur. Distance measurements for defensible space shall be measured on a horizontal plane.

FUEL BREAK is an area, strategically located for fighting anticipated fires, where the native vegetation has been permanently modified or replaced so that fires burning into it can be more easily controlled. Fuel breaks divide fire-prone areas into smaller areas for easier fire control and to provide access for firefighting.

OPEN SPACE EASEMENT means any right or interest in perpetuity or for a term for years in open-space land, as that term is defined in Government Code section 51051, acquired by the County, a city or a non-profit organization where the instrument granting the right or interest imposes restriction on use of the land, to preserve the land for public use or enjoyment of the natural or scenic character of the land.

OPEN SPACE PRESERVE means open-space land, as that term is defined in Government Code section 65560(b), for the preservation of natural resources, managed production of resources, outdoor recreation, public health and safety, buffer for a military installation or the protection of cultural resources.

SLOPE is the variation of terrain from the horizontal; the number of feet, rise or fall per 100 feet, measured horizontally, expressed as a percentage. Regardless of manufactured cut, fill or natural slope.

TREE CROWN means the primary and secondary branches growing out from the main stem, together with twigs and foliage.

SEC. 4903 PLANS.

Section 4903.1.1 of the California Fire Code is added to read:

SECTION 4903.1.1 FIRE PROTECTION PLAN WHEN REQUIRED

Sec. 4903.1.1 When required. Planning and Development Services or the FAHJ shall require an applicant for a parcel map, subdivision map, specific plan or major use permit for any property located in a wildland-urban interface fire area to submit a Fire Protection Plan (FPP) as part of the approval process located in mapped any Fire Hazard Severity Zones for LRA and SRA.

SEC. 4905 WILDFIRE PROTECTION BUILDING CONSTRUCTION

Section 4905 of the California Fire Code is *revised* to read:

Sec. 4905.2 Construction methods for exterior wildfire exposure. *The construction methods for exterior wildfire exposure in a wildland-urban interface fire area shall be as provided in Chapter 7A of the County Building Code.*

SEC. 4906 VEGETATION MANAGEMENT

Section 4906 of the California Fire Code is *revised* to read:

Sec. 4906.3 Landscape plans. *When required by the FAHJ landscape plans shall be provided to the FAHJ or a designated third party for any new construction and or addition for residential and commercial buildings or accessory thereof. Plans shall be submitted and approved prior to any framing inspection. In addition, plans shall be provided when modifications occur to any previously approved landscape plan or to the Home Ignition Zones.*

AMENDMENT TO SECTION 4906.3

Sec. 4906.3 Landscape plans. Landscape plans shall be provided to the FAHJ or a designated third party for any new construction and or addition for residential and commercial buildings or accessory thereof. Plans shall be submitted and approved prior to any framing inspection. In addition, plans shall be provided when modifications occur to any previously approved landscape plan or to the Home Ignition Zones.

Sec. 4906.3.1 Contents. Landscape plans shall contain the following:

1. Plans shall be prepared by a California Licensed Landscape Architect, Architect, or Civil Engineer. A landscape designer could prepare planting plans only (not irrigation) for a single-family residence but would need one of the above professionals to stamp the plans verifying compliance with the regulations.
2. Provide plans with a readable (Engineer or Architect) scale.
3. Delineation of fuel modification zones and Home Ignition Zones with a general description of the zone's dimensions and character.
4. Describe and show existing vegetation on plan.
5. Designate irrigated areas on the plan.
6. Include a Plant Legend with both botanical and common names for existing and proposed plant material.
7. Define all symbols, site amenities, features, and shaded areas, etc. used on the plans.

8. Draw all plant symbols of what the full mature canopy size will be.
9. Include quantities of trees and large shrubs being proposed.

4906.3.2 Landscaping Installation. All landscaping shall be installed per the approved plan prior to final inspection for issuance of certificate of occupancy.

Sec. 4906.4 Vegetation. All new vegetation shall be *drought tolerant* and fire-resistant vegetation in accordance with this section.

Exception: Trees classified as non-fire-resistant vegetation complying with Section 4906.4.2.1

To be considered fire resistant vegetation, it must meet at least one of the following:

1. Be identified as fire-resistant vegetation in an approved book, journal or listing from an approved organization.
2. Be identified as fire-resistant vegetation by a licensed landscape architect with supporting justification.
3. Plants considered fire resistant vegetation and approved by the local enforcing agency.

Sec. 4906.4.1 Shrubs. All new plantings of shrubs *planted in Zone 1 and Zone 2* shall comply with the following:

1. Shrubs shall not exceed 6 feet in height.
2. Groupings of shrubs are limited to a maximum aggregate diameter of 10 feet.
3. Shrub groupings shall be separated from other groupings a minimum of 15 feet
4. Shrub groupings shall be separated from structures a minimum of 30 feet.
5. Where shrubs are located below or within a tree's drip line, the lowest tree branch shall be a minimum of three times the height of the understory shrubs or 10 feet whichever is greater.
6. *Ornamental grasses shall be planted a minimum 5 feet from any structure.*

Sec. 4906.4.2 Trees. Trees shall be managed as follows within the 50' foot zone of a structure:

1. New trees shall be planted and maintained so that the tree's drip line at maturity is a minimum of 10 feet from any combustible structure.
2. The horizontal distance between crowns of new trees and crowns of adjacent trees shall not be less than 10 feet.
3. *Existing trees shall be trimmed to provide a minimum separation of 10 feet (3048 mm) away from roof lines, barbecue, fire pit, other heat or flame producing devices, chimney and stovepipe outlets per Title 14, Section 1299.03.*
4. *For streetscape plantings, all non-fire resistive trees shall be planted so that the center of the tree trunk is 20 feet from edge of curb. Fire resistive trees maybe planted 10 feet from edge of curb to center of tree trunk.*

Sec. 4906.4.2.1 Non-fire-resistant vegetation. New trees not classified as fire resistant vegetation, such as conifers (*including Junipers and Cypress*), palms with fibrous tissues, pepper trees, *acacia species*, *bamboo species* and eucalyptus species, and other species deemed highly flammable by the FAHJ shall be permitted provided the tree is planted and maintained so that the tree's drip line at maturity is a minimum 30 feet from any combustible structure.

SEC. 4907 DEFENSIBLE SPACE & ANNEX E "DEFENSIBLE SPACE ORDINANCES FOR FIRE DISTRICTS"

Section 4907 of the California Fire Code is *revised* to read:

Sec. 4907.4 Building and Structure setbacks from property lines. The building official shall establish the minimum setbacks for locating a building and structure on a lot in a wildland-urban interface fire area. The setbacks may be greater than the minimum setbacks provided in the County Zoning Ordinance, when necessary to protect a building and structure from an unreasonable hazard from a wildfire.

Sec. 4907.4.1 General fire setbacks. Buildings and structures shall be setback a minimum of 30 feet from property lines and biological open space easements unless existing permitted buildings and structures are located within 30 feet of the property line or the County Zoning Ordinance requires a greater minimum. When the property line abuts a roadway, the setback shall be measured from the centerline of the roadway.

Exception: When both the building official and the FAHJ determine that the hazard from a wildland fire is not significant or when the terrain, parcel size or other constraints on the parcel make the required setback infeasible.

Sec. 4907.4.2 Fire setbacks adjacent protected areas. Buildings and structures shall be setback a minimum of 100 feet from any property line adjacent to a national forest, state park or open space preserve. This setback may be reduced when existing permitted buildings and structures are located within 100 feet of the property line or additional mitigation measures are employed that are satisfactory to both the FAHJ and the building official.

AMENDMENT TO SECTION 4907.4.3

Sec. 4907.4.3 Building and Structure setback from slope. Single-story buildings or structures shall be setback a minimum 15 feet horizontally from top of slope to the farthest projection from the structure. A single-story building or structure shall be less than 12 feet above grade, measured from plate height. A two-story building or structure shall be setback a minimum of 30 feet horizontally from top of slope to the farthest projection from the structure. A two-story building or structure shall be greater than a 12-foot plate height but shall not exceed 35 feet in total height. Buildings and structures greater than two stories may require a greater setback as determined by the fire code official. See Annex C for “Illustration of Slope”.

Sec. 4907.5 Fuel modification. A fuel modification zone shall be required around every building that is designed primarily for human habitation or a building designed specifically to house farm animals. Decks, sheds, gazebos, freestanding open-sided shade covers and similar accessory structures less than 250 square feet and more than 50 from a dwelling, are not considered structures for the establishment of a fuel modification zone. A fuel modification zone shall comply with the following:

- (a) A person owning a building or structure shall maintain a 100' fuel modification zone. See Sec. 4907.9 “Home Ignition Zones” See Annex D for “Fuel Modification”.
- (b) The fire code official may increase the fuel modification zone to more than a 100', depending on fuel or topography.
- (e) The fuel modification zone shall be located entirely on the subject property unless approved by the FAHJ.
- (f) When the subject property contains an area designated to protect biological or other sensitive habitat, no building or structure requiring a fuel modification zone shall extend the fuel modification zone into a protected area.
- (g) Improved Property: Property owners shall be permitted to clear all combustible vegetation within a one hundred 100' feet of all buildings and structures using methods to maintain the stability of the soil.

Sec. 4907.6 Fuel modification of combustible vegetation from sides of roadways. The FAHJ may require a property owner to modify combustible vegetation in the area within 20 feet from each side of the driveway or a public or private road adjacent to the property to establish a fuel modification zone. The FAHJ has the right to enter private property to ensure the fuel modification zone requirements are met.

Exception: The FAHJ may reduce the width of the fuel modification zone if it will not impair access.

Sec. 4907.7 Community fuel modification. The FAHJ may require a developer, as a condition of issuing a certificate of occupancy, to establish one or more fuel modification zones to protect a new community by reducing the fuel loads adjacent to a community and buildings within it. The developer shall assign the land on which any fuel modification zone is established under this section to the association or other common owner group that succeeds the developer as the person responsible for common areas within the community.

Sec. 4907.7.1 Land ownership. Once a fuel modification zone has been established under section 4907.5 the land on which the zone is located shall be under the control of an association or other common ownership established in perpetuity, for the benefit of the community to be protected.

Sec. 4907.8 Maintenance of defensible space. Any person owning, leasing, controlling, operating or maintaining a building or structure required to establish a fuel modification zone pursuant to Sec. 4907.5 shall maintain the defensible space. The FAHJ may enter the property to determine if the person responsible is complying with this section. The FAHJ may issue an order to the person responsible for maintaining the defensible space directing the person to modify or remove non-fire resistant vegetation from defensible space areas, remove leaves, needles and other dead vegetative material from the roof of a building, maintain trees as required by Sec. 4907.8.1 or to take other action the FAHJ determines is necessary to comply with the intent of sections 4907 et seq.

Sec. 4907.8.1 Trees. Crowns of mature trees located within defensible space shall maintain a minimum horizontal clearance of 10 feet for fire resistant trees and 30 feet for non-fire resistive trees. Mature trees shall be pruned to remove limbs to maintain a vertical separation of three times the height of the lower vegetation or 6 feet, whichever is greater, above the ground surface adjacent to the trees. Dead wood and litter shall be regularly removed from trees. Ornamental trees shall be limited to groupings of 2-3 trees with canopies for each grouping separated horizontally as described in Table 4907.8.1.

**TABLE 4907.8.1
DISTANCE BETWEEN TREE CANOPIES**

Distance between Tree Canopies by Percent Slope	
Percent of Slope	Required Distances Between Edge of Mature Tree Canopies (1)
0 to 20	10 feet
21 to 40	20 feet
41 plus	30 feet

1. Determined from canopy dimensions as described in SunsetWesternGarden Book (Current Edition)

AMENDMENT TO SECTION 4907.8.2.

Sec. 4907.8.2 Orchards, groves or vineyards. All orchards, groves and vineyards shall be kept in a healthy state and free of combustible debris and vegetation, including dead or downed trees. A 10-foot firebreak shall be cleared around the perimeter of any orchard, grove or vineyard. Dead grasses between rows of trees or vines shall be mowed.

AMENDMENT TO SECTION 4907.8.3.

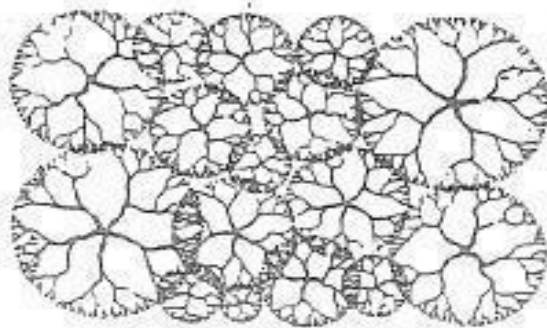
Sec. 4907.8.3 Eucalyptus forests and oak woodlands. All forests and woodlands shall be kept in a healthy state and maintained as described below. The forest or woodlands shall be free of all dead, dying, or diseased trees (excluding tree stumps no higher than six inches above the ground). Dead, dying, or diseased trees shall include insect infested trees, no longer living, in the last stages of growth or infected by a pathogen of any type. If combustible vegetation is located underneath a tree's drip line, the lowest branch shall be at least three times as high as the understory brush or grasses, or ten feet, whichever is greater. This will reduce the build-up of "ladder" fuels. Firewood shall be neatly stacked and shall have a minimum of 30 feet of clearance (no vegetation) around the entire firewood storage area. Debris and trimmings produced by the removal process shall be removed from the site, or if left, shall be converted into mulch by a chipping machine and evenly dispersed to maximum depth of six inches

Sec. 4907.9 Home Ignition Zones:

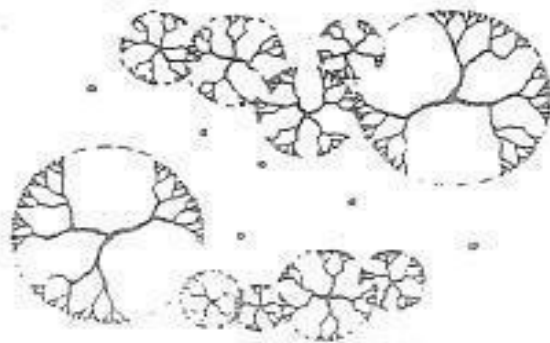
4907.9.1 Zone 0 "Immediate Zone" 0-5' Meaning from exterior wall surface or patio, deck or attachment to building or structure extending 5 feet on a horizontal plane. This zone shall be constructed of continuous hardscape or non-combustible materials. Removal of combustible materials surrounding the exterior wall area and maintaining area free and clear of combustible materials. The use of mulch and other combustible materials shall be prohibited.

4907.9.2 Zone 1 "Intermediate Zone" from Zone 0 to 50' means from the immediate edge of Zone 0 extending out in a horizontal plane. This zone shall consist of planting of low growth, drought tolerant and fire resistive plant species. The height of the plants in this zone starts at 6" adjacent to Zone 0 and extending in a linear fashion up to a maximum of 18" at intersection with Zone 2. Vegetation in this zone shall be irrigated and not exceed 6' in height and shall be moderate in nature as per Sec. 4907.6.4.1. Firewood inside this zone shall be piled minimum of 30' away from all buildings and structures. Cords of firewood shall also be maintained at least 10' from property lines and not stacked under tree canopies drip lines.

4907.9.3 Zone 2 “Extended Zone” from Zone 1 to 100’ means from the immediate edge of Zone 1 extending out in a horizontal plane for 50’. This zone consists of planting of drought tolerant and fire resistive plant species of moderate height. Brush and plants shall be limbed up off the ground, so the lowest branches are 1/3 height of bush/tree/plant or up to 6’ off the ground on mature trees. This area would be considered selective clearing of natural vegetation and dense chaparral by removing a minimum 50% of the square footage of this area.

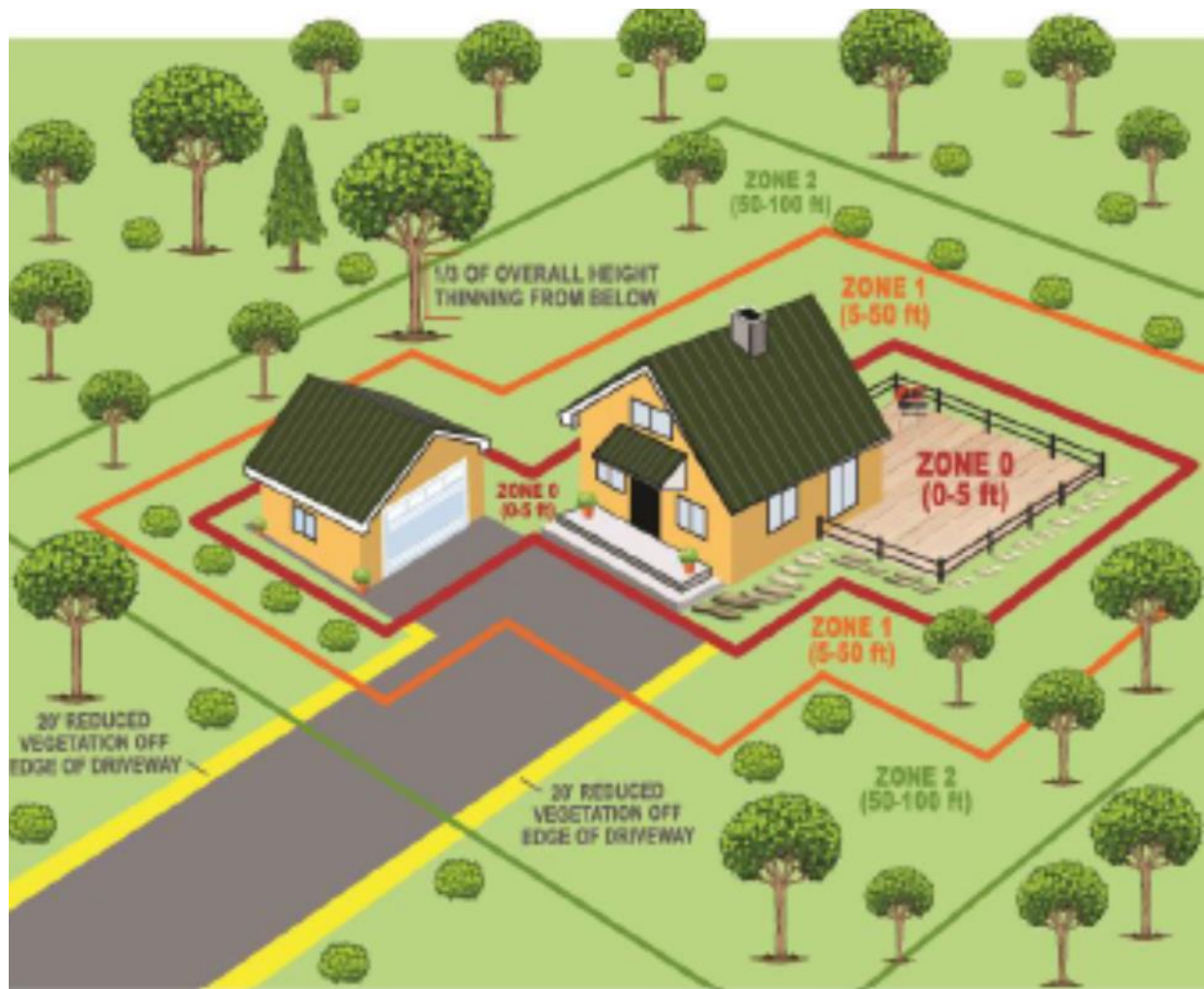


Before Thinning



After Thinning

Section 4907.9.3 Home Ignition Zones



SEC. 5607.16. EXPLOSIVES AND FIREWORKS-APPLICABILITY.

Section 5607.16 is added to the California Fire Code to read:

Sec. 5607.16.1 Applicability. This section shall apply to the manufacture, possession, storage, sale, transportation and use of explosives and blasting agents and to any blasting operation in the unincorporated area of the County. The Sheriff is the Issuing Officer for purposes of this section. The Sheriff may delegate the duties of Issuing Officer at her or his discretion. Additionally, as may be appropriate based on circumstances, the Issuing Officer may enter into memoranda of agreement with non-County fire agencies whereby such non-County agency will assume the duties of issuing a permit or permits required by this Chapter. The Issuing Officer shall determine whether a blast is a major blast or a minor blast under this section. A minor blast is subject to all conditions of this section except the inspection requirements.

Sec. 5607.16.2 Definitions. The following terms are defined in section 202:

BLASTER.

BLASTING AGENT.

BLASTING OPERATION.

BLASTING PERMIT.

BLAST SITE.

EXPLOSIVES PERMIT.

INSPECTOR.

MAJOR BLASTING.

MINOR BLASTING.

Sec. 5607.16.2.1 Application. Application for a permit required by this section shall be in the form required by the Issuing Officer.

Sec. 5607.16.3 Permit requirements. No person shall conduct blasting in the unincorporated area of the County without an explosives permit issued under this chapter. A person applying for an explosives permit shall, in addition to demonstrating compliance with fire safety requirements also comply with all County requirements for any building permits, grading permits, use permits, encroachment permits and all other entitlements to use property, including zoning requirements and any determination under the Zoning Ordinance of non-conforming status. The applicant shall be responsible for providing proof of all necessary approvals when requested by the Issuing Officer.

Sec. 5607.16.3.2 Permit conditions. The Issuing Officer may impose conditions and procedures as are deemed reasonably necessary to protect the public health and safety based upon the facts and circumstances of a particular blasting operation. The permit conditions shall be in writing. Failure to comply with any permit condition is grounds for revocation of the permit. A blaster may request the Issuing Officer release the blaster from any permit condition if circumstances have changed that make the condition no longer applicable. In addition to complying with the County blasting regulations, a blaster shall also comply with blasting regulations of neighboring jurisdictions, for any blasting operations outside of the unincorporated area of the County conducted in conjunction with a project within the unincorporated areas of the County.

Sec. 5607.16.3.3 Insurance and indemnification required. As an additional condition for obtaining an explosives permit the applicant shall submit: (1) a certificate of insurance evidencing that the blaster has obtained a general liability insurance policy which includes coverage for explosion, collapse and underground property damage from an insurer satisfactory to the Issuing Officer, that is in effect for the period covered by the permit, written on an "occurrence" basis, in an amount of not less than \$500,000 per each occurrence, naming the County and the FAHJ as an additional insured and providing that the policy will not be canceled or terminated without 30 days prior written notice to the County and (2) an agreement signed by the blaster agreeing to defend, indemnify and hold the County and its agents, officers and employees harmless from any claims or actions arising from the issuance of the permit or any blasting activity conducted under the permit.

Sec. 5607.16.3.4 Blasting hours. Blasting shall only be allowed Monday through Saturday, between the hours of 7:00 a.m. and 6:00 p.m. or ½ hour before sunset, whichever occurs first, unless special circumstances warrant another time or day and the Issuing Officer grants approval of the change in time or day.

Sec. 5607.16.3.5 Additional operational requirements. The owner of any property in the unincorporated area of the County on which any blasting is intended to occur, shall give, or cause to be given, a one-time notice in writing, for any proposed blasting to the local fire agency and dispatch center and to all residences, including mobile homes, and businesses within 600 feet of any potential major blast location or 300 feet from any potential minor blast location. The notice shall be given not less than 24 hours, but not more than one week, before a blasting operation and shall be in a form approved by the Issuing Officer. The minimum 24-hour notice requirement may be reduced to a lesser period but not less than one hour if the Issuing Officer determines that special circumstances warrant the reduction in time. Adequate precautions shall be taken to reasonably safeguard persons and property before, during and after blasting operations. These precautions shall include:

1. The blaster shall retain an inspector to inspect all buildings and structures, including mobile homes, within 300 feet of the blast site before blasting operations,

unless inspection is waived by the owner and/or occupant. The inspector shall obtain permission of the owner and/or occupant before conducting the inspection. The inspection shall be only for the purpose of determining the existence of any visible or reasonably recognizable preexisting defects or damages in any building and structure. Waiver of inspection shall be in writing signed by the owner and/or occupant. Refusal to allow inspection shall also constitute a waiver. The inspector shall notify the owner and/or occupant of the consequences of refusing an inspection shall include a refusal in the summary report filed with the Issuing Officer. The blaster shall request an inspector conduct post-blast inspections upon receipt of a written complaint of property damage if the complaint is made within 60 days of completion of blasting operations. If the blaster has knowledge of alleged property damage independent of the written complaint, the blaster shall also retain an inspector to conduct a post-blast inspection.

2. An inspector shall complete and sign pre-blast- inspection reports identifying all findings and inspection waivers. The blaster shall retain the inspection reports for three years from the date of the blasting and upon a complaint of alleged damage the blaster shall immediately file a copy of the report with the Issuing Officer and provide a copy to the complainant. If there is a change in the blasting contractor after blasting has commenced on a project, a re-inspection shall be conducted in accordance with the preceding paragraph before the new blasting contractor undertakes any additional blasting.

3. The blaster shall retain an inspector to conduct a post-blast- inspection of any building and structure for which a written complaint alleging blast damage has been received. A written report of the inspection shall be immediately filed with the Issuing Officer and provided to any person who made a complaint for damages.

4. The blaster shall allow any representative of the Issuing Officer to inspect the blast site and blast materials or explosives at any reasonable time.

5. If the blaster wants a representative of the Issuing Officer to witness a blasting operation the blaster shall make a request with the Issuing Officer at least 12 hours before the blast. The blaster shall confirm the request for a witness with the Issuing Officer at least one hour before the blast. The blaster shall be responsible for any cost incurred by the Issuing Officer in having a representative witness the blast.

6. The blaster shall notify the Issuing Officer on the day of a scheduled blasting operation not less than one hour before blasting.

7. All major blasting operations shall be monitored by an approved seismograph located at the nearest building and structure within 600 feet of the blasting operation.

All daily seismograph reports shall be maintained by the blaster for three years from the blasting.

Sec. 5607.16.3.6 Seizure of illegal items. The Issuing Officer may seize at the owner's expense, all explosives, ammunition or blasting agents, which are illegally manufactured, sold, offered or exposed for sale, delivered, stored, possessed or transported in violation of this chapter.

Sec. 5607.16.3.7 Violations for false or misleading information. It shall be unlawful and a violation of this chapter for any person to provide false or misleading information or documentation to the County or any of its officers or employees or to any fire department, fire protection district, fire company or legally formed volunteer fire department, or its officers or employees in the unincorporated area of the County, having jurisdiction over any aspect of the explosives or blasting permit process or blasting operations.

Sec. 5607.16.3.8 Fees. A person applying to the Issuing Officer to be approved as a blaster or inspector, as defined in this section, shall pay an application fee to the Issuing Officer. A person applying for an explosives permit under this section shall pay the fee established by the Issuing Officer with the application. The amount of any fee required by this chapter shall be determined by the Issuing Officer on the basis of the full costs involved in processing an application.

SEC. 5608.1 FIREWORKS DISPLAY.

Section 5608.1 of the California Fire Code is *revised* to read:

Sec. 5608.1 General. Outdoor fireworks displays, use of pyrotechnics before a proximate audience and pyrotechnic special effects in motion picture, television, theatrical and group entertainment productions shall comply with California Code of Regulations, Title 19, Chapter 6 *Fireworks and County Code sections 32.101 et seq.* *The Fire Warden is the Issuing Officer for any fireworks permit required by this Chapter. The Fire Warden may delegate the duties of Issuing Officer at her or his discretion. Additionally, as may be appropriate based on circumstances, the Issuing Officer may enter into memoranda of agreement with non-County fire agencies whereby such non-County agency will assume the duties of issuing a permit or permits required by this Chapter.*

Sec. 5608.1.1 Scope. *The possession, manufacture, sale, storage, use and display of fireworks are prohibited in the unincorporated area of the County except as provided in County Code sections 32.101 et seq.*

SEC. 5705.2.4 TRANSFERRING CLASS I, II OR III LIQUIDS.

Section 5705.2.4 of the California Fire Code is *revised* to read:

Sec. 5705.2.4 Transferring Class I, II or III liquids. *Class I or II liquids or Class III liquids that are heated up to or above their flash points shall be transferred by one of the following methods:*

1. From safety cans complying with UL 30.
2. Through an approved closed piping system.
3. From containers or tanks by an approved pump taking suction through an opening in the top of the container or tank.
4. Approved engineered liquid transfer system.

Exception: Liquids in containers not exceeding a 5.3-gallon (20 L) capacity.

SEC. 5706.2.5.2 TANKS FOR GRAVITY DISCHARGE.

Section 5706.2.5.2.1 is added to the California Fire Code to read:

Sec. 5706.2.5.2.1 Limitations on tanks for gravity discharge. Gravity dispensing of Class I or II liquids or Class III liquids that are heated up to or above their flash points is prohibited. Dispensing devices for flammable and combustible liquids shall be of an approved type. Approved pumps taking suction from the top of the tank shall be used. Flammable or combustible liquids shall not be dispensed by a device that operates through pressure within a storage tank. Air or oxygen shall not be used to pressurize an aboveground tank.

SEC. 5706.2.8.2 PROHIBITION ON USE OF TANK VEHICLE.

Section 5706.2.8.2 is added to the California Fire Code to read:

Sec. 5706.2.8.2 Tank vehicle as a substitute for permanent tank prohibited. The use of a tank vehicle in a stationary manner as a substitute for an approved above-ground or below-ground fuel tank is prohibited.

SEC. 6107.5 SAFETY PRECAUTIONS AND DEVICES-SECURING LPG TANKS.

Section 6107.5 is added to the California Fire Code to read:

Sec. 6107.5 Securing LPG tanks. When required by the FAHJ, LPG tanks shall be secured to prevent the tank from rolling or moving.

SEC. 8001 REFERENCED STANDARDS.

Section 8001 is added to the California Fire Code to read:

Sec. 8001 Referenced standard NFPA 13D. Referenced sections as follows:

Revise 5.1.1.2 to read as follows:

NFPA 13D 5.1.1.2 Spare sprinkler heads. Spare fire sprinkler heads (one of each type or as approved by the FAHJ) wrench, inspectors test key and operation and maintenance instructions shall be provided in the vicinity of the riser.

The Rancho Santa Fe Fire Protection District revises the following section to read as follows:

NFPA 13D 7.2.5 (RSF) Inspector Test. Each automatic sprinkler system shall have a ½” or larger test connection with a threaded keyless valve. The valve shall be remote to the riser, located on the building exterior about five 5 feet above final grade. It shall be labeled with a permanent plate with minimum ¼” lettering, contrasting with background, and stating: “INSPECTOR TEST”. (Pre-assembled riser assemblies with a built-in Drain/Test valve shall not be accepted for inspector test valve unless approved by the FAHJ.)

Add a new 7.3.4 to read as follows:

NFPA 13D 7.3.4 Pressure gauge. An approved 300 psi pressure gauge shall be permanently installed at the riser.

Revise 7.6 to read as follows:

NFPA 13D 7.6 Alarms. A water flow switch shall be provided and located on the sprinkler riser above the check valve and main drain and shall actuate an audible fire alarm signal bell and may be required to be interconnected to the interior smoke alarms. The water flow switch shall be a retarding type with a delay between 15-60 seconds before activation of the signal bell. Alarm bell shall have a minimum diameter of 8 inches and be mounted on the exterior in the vicinity of the master bedroom. The alarm bell shall be clearly audible in all bedrooms with intervening doors closed.

Revise 8.3.2 to read as follows:

NFPA 13D 8.3.2 Sprinklers are not required in bathrooms where the area does not exceed 55 sq. ft. unless there is door exiting directly to the outside, and the walls and ceilings including behind fixtures, are of noncombustible or limited combustible materials providing a fifteen-minute thermal barrier.

The Rancho Santa Fe Fire Protection District revises the following section to read as follows:

NFPA 13D 8.3.3 (RSF) Sprinklers shall not be required in clothes closets, linen closets, and pantries that meet the following conditions:

1. The area of the space does not exceed 24 sq. ft.
2. The shortest dimension does not exceed 3 ft.
3. The walls and ceilings are surfaced with noncombustible or limited-combustible materials as defined in NFPA 220.
4. The closet does not contain any type of electrical items such as light fixtures, electrical outlets or low voltage equipment.

The Rancho Santa Fe Fire Protection District revises the following section to read as follows:

NFPA 13D 8.3.4 (RSF) Sprinklers shall be installed in garages, carports and similar structures unless they meet the exception in Sec. 903.3.2.1. Covered patios, decks, balconies or similar projections that extend 10 feet or more from the structure will require adequate fire sprinkler coverage.

Revise 8.3.4 to read as follows:

NFPA 13D 8.3.4 Sprinklers may be omitted from carports and open attached porches. However, attached garages shall be protected with intermediate temperature rated sprinklers. Sprinkler heads in garages shall be protected against mechanical damage by approved guards, unless recessed heads are provided. Garage doors may be disregarded in the layout of the automatic sprinkler system.

Revise 8.3.5.1.1 to read as follows:

NFPA 13D 8.3.5.1.1 Where the fuel-fired equipment is above all of the occupied areas of the dwelling unit, at least one quick-response intermediate temperature sprinkler shall be installed above the equipment.

The Rancho Santa Fe Fire Protection District revises the following section to read as follows:

<p>NFPA 13D 8.3.10 (RSF) Sprinklers shall be installed in saunas and wine rooms.</p>

Add a new 10.2.4.1 to read as follows:

NFPA 13D 10.2.4.1 3-Head Calculation. When design conditions exceed the allowances of sec. 10.2, a 3-head calculation may be required by the FAHJ.

Add a new 10.2.5 to read as follows:

NFPA 13D 10.2.5 Pressure Cushion. The system shall be designed 10% below available water source pressure during peak usage.

Revise 11.2.1.1 to read as follows:

NFPA 13D 11.2.1.1 Hydrostatic Tests. Where a fire department connection is not provided, the system shall be hydrostatically tested at 200 psi for 2 hours.

Revised 12.3.6 to read as follows:

NFPA 13D 12.3.6 Inactive Systems. When automatic sprinkler systems are shut-off or otherwise inoperative for periods greater than 48 hours for repair of service, the FAHJ must be notified immediately.

SEC. APP.B103.3 AREAS WITHOUT WATER SUPPLY SYSTEMS.

Appendix B, section B103.3 of the California Fire Code is *revised* to read:

B103.3 Areas without water supply systems. For information regarding water supplies for fire-fighting purposes in rural areas and suburban areas in which adequate and reliable water supplies do not exist, the fire code official is authorized to utilize NFPA 1142 or the standard published by the Insurance Services Office document entitled "Guide for Determination of Required Fire Flow."

SEC. APP.H100 REPORTING FORMS

Appendix H, sec. H100 is added to the California Fire Code to read:

SECTION H100 REPORTING FORMS

H100.1 Reporting forms. Hazardous Materials reporting forms currently adopted by San Diego County Department of Environmental Health Hazardous Materials Management Unit which cover the same areas as forms contained in this Appendix are adopted by reference and take precedence over this Appendix.

Section 4 GEOGRAPHIC LIMITS

The geographic limits referred to in certain sections of the 2022 California Fire Code are established as follows:

(a) **Sec. 5704.2.9.6.1** The geographic limits in which the storage of Class I and Class II liquids in above-ground tanks outside of buildings is prohibited: the unincorporated area of the County of San Diego.

Exceptions:

1. In areas zoned for mixed, general or high impact industrial uses.
2. Crankcase draining may be stored in specially constructed above-ground storage tanks, approved by the fire code official, with a maximum capacity of 550 gallons. These tanks may be located within a building when the fire code official deems appropriate, and the container meets U.L. Standard 2085. Containers shall be installed and used in accordance with their listing and provisions shall be made for leak and spill containment. In no case shall storage be allowed on residential or institutional property.

3. With the fire code official's approval, Class I and II liquids may be stored above ground outside of buildings in specially designed, approved and listed containers which have features incorporated into their design which mitigate concerns for exposure to heat, ignition sources and mechanical damage. Containers shall be installed and used in accordance with their listing, and provisions shall be made for leak and spill containment. The fire code official may disapprove the installation of these containers when in his or her opinion their use presents a risk to life or property.

(b) Sec. 5706.2.4.4 The geographic limits in which the storage of Class I and Class II liquids in above-ground tanks is prohibited: the unincorporated area of the County of San Diego.

Exceptions:

1. In areas zoned for other than residential uses, when approved by the FAHJ.
2. Crankcase draining may be stored in specially constructed above-ground storage tanks, approved by the fire code official, with a maximum capacity of 550 gallons. These tanks may be located within a building when the fire code official deems appropriate, and the container meets U.L. Standard 2085. Containers shall be installed and used in accordance with their listing, and provisions shall be made for leak and spill containment. In no case shall storage be allowed in residential or institutional property.
3. With the fire code official's approval, Class I and II liquids may be stored above ground in specially designed, approved and listed containers which meet U.L. Standard 2085. Containers shall be installed and used in accordance with their listing, and provisions shall be made for leak and spill containment. The fire code official may disapprove the installation of such containers when in his/her opinion their use presents a risk to life or property.

(c) Sec. 5806.2 The geographic limits in which the storage of flammable cryogenic fluids in stationary containers is prohibited: the unincorporated area of the County of San Diego, except for areas zoned for mixed, general or high impact industrial uses.

(d) Sec. 6104.2 The geographic limits in which the bulk storage of liquefied petroleum gas is prohibited for the protection of heavily populated and congested areas: the unincorporated area of the County of San Diego, except for areas zoned for mixed, general or high impact industrial uses.

Exception: Bulk tanks with a maximum aggregate capacity of 30,000 gallons water capacity for above-ground storage of underground distribution to residential areas,

where the storage and distribution meets County Fire Code requirements as determined by the FAHJ.

Section 5 EFFECTIVE DATE

This ordinance shall take effect and be in force thirty days after the date of its passage and before the expiration of fifteen days after its passage, a summary hereof shall be published once with the names of the members of this Board voting for and against it in the San Diego Commerce, a newspaper of general circulation published in the County of San Diego.

APPROVED AS TO FORM AND LEGALITY
COUNTY COUNSEL

BY

William A. Johnson, Jr.

Senior Deputy County Counsel

Meeting Date: XX/XX/XXXX ()

PASSED, APPROVED, AND ADOPTED by the Board of Supervisors of the County of San Diego this XX day of MONTH, 2022.

XXXXXXX

Chairman, Board of Supervisors
County of San Diego, State of California

The above Ordinance was adopted by the following vote:

AYES:

ATTEST my hand and the seals of the Board of Supervisors this XX day of MONTH, 2022.

Clerk of the Board of Supervisors

By _____

Ordinance No. XXXXXX (N.S.)
XX/XX/22 (8)

INDEX BY CODE SECTION CONSOLIDATED FIRE CODE

Differences:

1. Showed the language and text that is different from the California Fire Code and the County Code as shown in *Italics*.
2. Changed punctuation or a grammatical change.
3. Words were deleted or sections deleted. County amendments were not necessary as section was adopted in model code language.
4. Revised or referenced texts. Changes from the previous code that have been revised.
5. NO CHANGE (NC) means no changes made. Language is the same.
6. NEW – Means new image or section provided for clarity.

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
Sec. 1.001	Sec 1.001	Application of the CCC	NC			4
Sec. 1.002	Sec 1.002	Explanation of the CCC	NC			4
Sec. 96.1.001	Sec. 96.1.001	Adoption of County Amendments to the CFC	NC	Section 2	Section 2	4
		Amendment to Section 96.1.001	NC	Section 1	Section 1	5
Sec. 96.1.002	Sec. 96.1.002	Explanation of CFC to 2022 Fire Code	NC			4
Sec. 96.1.003	Sec. 96.1.003	Explanation of County Fire Code adding 96.1	NC			4
Sec. 96.1.004	Sec. 96.1.004	Responsibility for Enforcement	NC			5
Sec. 96.1.005	Sec. 96.1.005	Geographic Limits	NC			5
		Storage of Class I and Class II liquids in above ground tanks outside of buildings	A	Sec. 5704.2.9.6.1	Sec. 5704.2.9.6.1	5
		Storage of Class I and Class II liquids in above ground tanks	A	Sec. 5706.2.4.4	Sec. 5706.2.4.4	5
		Storage of flammable cryogenic fluids in stationary containers	A	Sec. 5806.2	Sec. 5806.2	5
		Storage of bulk LPG for protection in heavily	A	Sec. 6104.2	Sec. 6104.2	5

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		populated and congested areas				
Sec. 96.1.006	Sec. 96.1.006	Deletions, Revisions, Additions and Numerical	NC			5
Sec. 96.1.101.5	Sec. 96.1.101.5	Validity	NC	Sec. 101.5	Sec. 101.5	5
Sec. 96.1.102.13	Sec. 96.1.102.13	Repeal of Conflicting Ordinances, Resolutions or Motions	A	Sec. 102.13	Sec. 102.13	5
Sec. 96.1.104.8	Sec. 96.1.104.9	Modifications	R	Sec. 104.8	Sec. 104.9	4
Sec. 96.1.104.12	Sec. 96.1.104.13	Cost Recovery	A	Sec. 104.12	Sec. 104.13	4
Sec. 96.1.104.12.1	Sec. 96.1.104.13.1	Reimbursement Required	A	Sec. 104.12.1	Sec. 104.13.1	4
Sec. 96.1.105.3.9	Sec. 96.1.105.3.9	Expense Recovery	A	Sec. 105.3.9	Sec. 105.3.9	5
Sec. 96.1.105.6.6.1	Sec. 96.1.105.5.52.1	Christmas Tree Lots	A	Sec. 105.6.6.52	Sec. 105.5.52.1	4
Sec. 96.1.105.6.20.1	Sec. 96.1.105.5.52.2	Greenwaste Recycling, Mulching, Composting & Storage	A	Sec. 105.6.20.1	Sec. 105.5.52.2	4
Sec. 96.1.105.8	Sec. 96.1.105.7	New materials, Process or Occupancies Require Permits	A	Sec. 105.8	Sec. 105.7	1, 4
Sec. 96.1.109	Sec. 96.1.111	Appeals	R	Sec. 109	Sec. 111	4
		Regional Fire Appeals Board established	R	Sec. 109.1	Sec. 111.1	4
		Limitations on authority	R	Sec. 109.2	Sec. 111.2	4
		Qualifications	R	Sec. 109.3	Sec. 111.3	4
		Appeals Procedures	R	Sec. 109.4	Sec. 111.4	4
		Appeals of determinations regarding building permits	R	Sec. 109.4.1	Sec. 111.4.1	4
		Appeals of determinations regarding discretionary permits	R	Sec. 109.4.2	Sec. 111.4.2	4
		Appeals of determinations for	R	Sec. 109.4.3	Sec. 111.4.3	4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		matters other than building permits or discretionary permits				
		Regional Fire Appeals Board	R	Sec. 109.5	Sec. 111.5	
Sec. 96.1.110.4	Sec. 96.1.112.4	Violations, Penalties and Responsibilities for Compliance	R	Sec. 110.4	Sec. 112.4	4
		Amendment to Section 112.4 Violations, penalties and responsibility for compliance	AMEND	Sec. 110.4	Sec. 112.4	4
		Amendment to Section 113.4 Failure to Comply	AMEND	Sec. 112.4	Sec. 113.4	4
Sec. 96.1.202	Sec. 96.1.202	Definitions	R	Sec. 202	Sec. 202	1, 2, 4
Sec. 96.1.304.1.4	Sec. 96.1.304.1.4	Outdoor Carnivals and Fairs	A	Sec. 304.1.4	Sec. 304.1.4	5
Sec. 96.1.305.6	Sec. 96.1.305.6	Rockets, Model aircraft and similar	A	Sec. 305.6	Sec. 305.6	5
	Sec. 96.1.307.4.3	Portable Outdoor Fireplaces	R		Sec. 307.4.3	1, 4
Sec. 96.1.307.5	Sec. 96.1.307.5	Attendance of Open Burning and Recreational Fires	R	Sec. 307.5	Sec. 307.5	1, 4
Sec. 96.1.321	Sec. 96.1.325	Mid-Rise Buildings	A	Sec. 321	Sec. 325	1, 4
		Mid-Rise: General	A	Sec. 321.1	Sec. 325.1	4
		Mid-Rise: Automatic Sprinkler System & Standpipes	A	Sec. 321.1.1	Sec. 325.1.1	4
		Mid-Rise: Smoke Detection	A	Sec. 321.1.2	Sec. 325.1.2	4
		Mid-Rise: Fire Alarm	A	Sec. 321.1.3	Sec. 325.1.3	4
		Mid-Rise: Emergency Voice Alarm Signaling System	A	Sec. 321.1.4	Sec. 325.1.4	4
		Mid-Rise: Fire Command Center	A	Sec. 321.1.5	Sec. 325.1.5	4
		Mid-Rise: Annunciation Identification	A	Sec. 321.1.6	Sec. 325.1.6	4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Mid-Rise: Elevators	A	Sec. 321.1.7	Sec. 325.1.7	4
		Mid-Rise: Fire Department Communication System	A	Sec. 321.1.8	Sec. 325.1.8	4
		Mid-Rise: Means of Egress	A	Sec. 321.1.9	Sec. 325.1.9	4
		Mid-Rise: Extent of Enclosure	A	Sec. 321.1.9.1	Sec. 325.1.9.1	4
		Mid-Rise: Pressurized Enclosures and Stairways	A	Sec. 321.1.9.2	Sec. 325.1.9.2	4
		Mid-Rise: Vestibules	A	Sec. 321.1.9.3	Sec. 325.1.9.3	4
		Mid-Rise: Pressure Differences	A	Sec. 321.1.9.4	Sec. 325.1.9.4	4
		Mid-Rise: Locking of Stairway Doors	A	Sec. 321.1.9.5	Sec. 325.1.9.5	4
Sec. 96.1.322	Sec. 96.1.326	Storage of Firewood	A	Sec. 322	Sec. 326	4
Sec. 96.1.501.3.1	Sec. 96.1.501.3.1	Fire Apparatus Access Modifications	A	Sec. 501.3.1	Sec. 501.3.2	4
Sec. 96.1.503	Sec. 96.1.503	Fire Apparatus Access Roads	R	Sec. 503	Sec. 503	5
		Fire Apparatus Access Roads: General	R	Sec. 503.1	Sec. 503.1	1, 3
		Fire Apparatus Access Roads: Buildings and Facilities	R	Sec. 503.1.1	Sec. 503.1.1	1, 2, 3, 4
		Fire Apparatus Access Roads: Additional Access	R	Sec. 503.1.2	Sec. 503.1.2	1, 2, 3, 4
		Fire Apparatus Access Roads: Secondary Access Required	N		Sec. 503.1.2.1	1, 4, 6
		Fire Apparatus Access Roads: High Piled Storage	R	Sec. 503.1.3	Sec. 503.1.3	4
		Fire Apparatus Access Roads: Specifications	R	Sec. 503.2	Sec. 503.2	1, 4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Fire Apparatus Access Roads: Dimensions	R	Sec. 503.2.1	Sec. 503.2.1	1, 2, 3, 4
		Fire Apparatus Access Roads: Amendment to Road Phasing	AMEND	Sec. 503.2.1.1	Sec. 503.2.1	1, 2, 3, 4
		Fire Apparatus Access Roads: Authority to Increase Minimum	R	Sec. 503.2.2	Sec. 503.2.2	5
		Fire Apparatus Access Roads: Surface	R	Sec. 503.2.3	Sec. 503.2.3	1
		Fire Apparatus Access Roads: Amendment to Surface	R	Sec. 503.2.3	Sec. 503.2.3	4
		Fire Apparatus Access Roads: Roadway Radius	R	Sec. 503.2.4	Sec. 503.2.4	1
		Fire Apparatus Access Roads: Dead Ends	R	Sec. 503.2.5	Sec. 503.2.5	1, 4, 6
		Fire Apparatus Access Roads: Dead End Roads turn-around required	R	Sec. 503.2.5.1	Sec. 503.2.5.1	1
		Fire Apparatus Access Roads: Dead End Roads	R		Sec. 503.2.5.2	4
		Fire Apparatus Access Roads: Bridges and Elevated Surfaces	R	Sec. 503.2.6	Sec. 503.2.6	1
		Fire Apparatus Access Roads: Bridges with 1 traffic lane	R	Sec. 503.2.6.1	Sec. 503.2.6.1	1
		Fire Apparatus Access Roads: Grade	R	Sec. 503.2.7	Sec. 503.2.7	1
		Fire Apparatus Access Roads: Cross Slope	R	Sec. 503.2.7.1	Sec. 503.2.7.1	1, 4
		Fire Apparatus Access Roads: Angles of	R	Sec. 503.2.8	Sec. 503.2.8	1, 4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Approach and Departure				
		Fire Apparatus Access Roads: Roadway Turn Outs	R	Sec. 503.2.9	Sec. 503.2.9	1, 4
		Fire Apparatus Access Roads: Marking	R	Sec. 503.3	Sec. 503.3	1, 4
		Fire Apparatus Access Roads: Fire Lane Designation	R	Sec. 503.3.1	Sec. 503.3.1	1, 4
		Fire Apparatus Access Roads: Obstruction of Fire Apparatus Roads	R	Sec. 503.4	Sec. 503.4	1, 4
		Fire Apparatus Access Roads: Traffic Calming Devices	R	Sec. 503.4.1	Sec. 503.4.1	1, 4
		Fire Apparatus Access Roads: Required Gates or Barricades	R	Sec. 503.5	Sec. 503.5	5
		Fire Apparatus Access Roads: Secured Gates and Barricades	R	Sec. 503.5.1	Sec. 503.5.1	1, 4
		Fire Apparatus Access Roads: School Fences and Gates	R	Sec. 503.5.2	Sec. 503.5.2	1
		Fire Apparatus Access Roads: Security Gates	R	Sec. 503.6	Sec. 503.6	1
Sec. 96.1.505	Sec. 96.1.505	Premises Identification	R	Sec. 505	Sec. 505	5
		Address Identification	R	Sec. 505.1	Sec. 505.1	5
		Street or Road Signs	R	Sec. 505.2	Sec. 505.2	5
		Traffic Access Limitations	R	Sec. 505.2.1	Sec. 505.2.1	1
		Easement Address Signs	R	Sec. 505.3	Sec. 505.3	1
		Directory Map	R	Sec. 505.4	Sec. 505.4	1
		Response Map Updates	R	Sec. 505.5	Sec. 505.5	1

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
Sec. 96.1.506.1.3	Sec. 96.1.506.1.3	Emergency Key Access	A	Sec. 506.1.3	Sec. 506.1.3	1, 3
Sec. 96.1.507.2	Sec. 96.1.507.2	Type of Water Supply	R	Sec. 507.2	Sec. 507.2	1, 4
		Private Fire Service Mains	R	Sec. 507.2.1	Sec. 507.2.1	1, 2
		Water Storage Tanks	R	Sec. 507.2.2	Sec. 507.2.2	1, 2, 4
Sec. 96.1.507.3	Sec. 96.1.507.3	Fire Flow	R	Sec. 507.3	Sec. 507.3	1, 4
Sec. 96.1.507.5.7	Sec. 96.1.507.5.7	Fire Hydrant and Fire Valve Location	A	Sec. 507.5.7	Sec. 507.5.7	1, 4
		Signing of Water Sources and Fire Department Connections	A	Sec. 507.5.7.1	Sec. 507.5.7.1	1
Sec. 96.1.507.5.8	Sec. 96.1.507.5.8	Waterline Extensions	A	Sec. 507.5.8	Sec. 507.5.8	4
Sec. 96.1.603.6.6	Sec. 96.1.605.3.1	Spark Arresters	A	Sec. 603.6.6	Sec. 605.3.1	4
Sec. 96.1.603.8.1	Sec. 96.1.605.8.1	Residential Incinerators	R	Sec. 603.8.1	Sec. 605.8.1	4
		Smoke Ventilation (Remove from CCC & Ord now in model code)	D	Sec. 1204.3.3		3
Sec. 96.1.1204.4	Sec. 96.1.1205.5	Ground Mounted Photovoltaic Arrays	R	Sec. 1204.4	Sec. 1205.5	4
		Fire Apparatus Access Roads	R	Sec. 1204.4.1	Sec. 1205.5.1	4
		Perimeter Fire Apparatus Access Roadway	R	Sec. 1204.4.2	Sec. 1205.5.2	4
		Fuel Modification	R	Sec. 1204.4.3	Sec. 1205.5.3	4
		Water Supply	R	Sec. 1204.4.4	Sec. 1205.5.4	4
		Identification	R	Sec. 1204.5	Sec. 1205.6	4
		Fire Department Connections	D	Now part of model code		3
		Fire Hydrants and Fire Appliances	D	Now part of model code		3
Sec. 96.1.903.2	Sec. 96.1.903.2	Automatic Sprinkler Systems Where Required	R	Sec. 903.2	Sec. 903.2	1, 4
		Additions	A	Sec. 903.2(a)	Sec. 903.2(a)	1, 4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Remodels or Reconstruction	A	Sec. 903.2(b)	Sec. 903.2(b)	1, 4
		Group U Occupancies	A	Sec. 903.2(c)	Sec. 903.2(c)	4
		Amendment to Section 903.2(c) Where Required RSF	AMEND	Sec. 903.2	Sec. 903.2(c)	1, 4
		Amendment to Section 903.2 San Marcos	D	Sec. 903.2	Sec. 903.2	3
Sec. 96.1.903.4	Sec. 96.1.903.4	Sprinkler System Monitoring and Alarms	R	Sec. 903.4	Sec. 903.4	1
Sec. 96.1.2808	Sec. 96.1.2808	Storage and Processing of Wood Chips, Hoggged Materials, Fines, Compost, Solid Biomass Feedstock and Raw Product associated with Yard Waste, Agro- Industrial and Recycling Facilities	R	Sec. 2808	Sec. 2808	4
General	Sec. 2808.1	General	D	Sec. 2808.1	Sec. 2808.1	3
Storage Site	Sec. 2808.11	Definitions	D	Sec. 2808.2	IN CH 2 DEFINITIONS	3
Size of Piles	Sec. 105.6.25.1, 2808.14	Permit Required	D	Sec. 2808.3	Sec. 2808.10.1	3
Pile Separation	Sec. 2808.13	Financial Assurance	D	Sec. 2808.4	Sec. 2808.10.2	3
Combustible Waste	Sec. 2808.12	Operational & Emergency Plan	D	Sec. 2808.5	Sec. 2808.10	3
Static Pile	Sec. 2808.15	Notification of Fire Department	D	Sec. 2808.6	Sec. 2808.10.3	3
Pile Fire Protection	Sec. 903.3.1(CFC)	Equipment Operator Emergency Call	D	Sec. 2808.7	Sec. 2808.10.4	3
Fire Extinguishers	Sec. 906 (CFC)	Incoming Waste Diversion Plan	D	Sec. 2808.8	Sec. 2808.10.5	3
Material Handling Equipment	Sec. 2808.17	Unprocessed or Non-Green Waste	D	Sec. 2808.9	Sec. 2808.10.6	3
Emergency Plan	Sec. 2808.3	Fire Access Roadway	D	Sec. 2808.10	Sec. 2808.10.7	3
	Sec. 2808.5	Storage Sites	D	Sec. 2808.11	Sec. 2808.2	3

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
	Sec. 2808.6	Combustible Vegetation	D	Sec. 2808.12	Sec. 2808.5	3
	Sec. 2808.7	Pile Separation	D	Sec. 2808.13	Sec. 2808.4	3
	Sec. 2808.8	Size of Piles	D	Sec. 2808.14	Sec. 2808.3	3
	Sec. 2808.9	Static Pile Protection	D	Sec. 2808.15	Sec. 2808.6	3
	Sec. 2808.10	Fire Fighting Water Supplies	D	Sec. 2808.16	Sec. 2808.7	3
	Sec. 2808.4	Public Water Supply	D	Sec. 2808.16.1	Sec. 2808.7.1	3
	Sec. 2808.16	Private Water Supply	D	Sec. 2808.16.2	Sec. 2808.7.2	3
		Fire Extinguishers	D		Sec. 2808.8	3
	Sec. 2808.18	Material Handling Equipment	D	Sec. 2808.17	Sec. 2808.9	3
	Sec. 2808.19	General Fire Safety Rules	D	Sec. 2808.18	Sec. 2808.10.8	3
	Sec. 2808.20	Site Security	D	Sec. 2808.19	Sec. 2808.10.9	3
		Smoking Prohibited & Open Burning	D	Sec. 2808.20	Sec. 2808.10.10	3
		General	R	Sec. 2808.1	Sec. 2808.1	1, 4, 6
		Storage Sites	R	Sec. 2808.11	Sec. 2808.2	1, 4, 6
		Size of Piles	R	Sec. 2808.14	Sec. 2808.3	1, 4, 6
		Pile Separation	R	Sec. 2808.13	Sec. 2808.4	1, 4, 6
		Combustible Vegetation	R	Sec. 2808.12	Sec. 2808.5	1, 4, 6
		Static Pile Protection	R	Sec. 2808.15	Sec. 2808.6	1, 4, 6
		Fire Fighting Water Supplies	R	Sec. 2808.16	Sec. 2808.7	1, 4, 6
		Public Water Supply	R	Sec. 2808.16.1	Sec. 2808.7.1	1, 4, 6
		Private Water Supply	R	Sec. 2808.16.2	Sec. 2808.7.2	1, 4, 6
		Fire Extinguishers	R		Sec. 2808.8	1, 4, 6
		Material Handling Equipment	R	Sec. 2808.17	Sec. 2808.9	1, 4, 6
		Operational & Emergency Plan	R	Sec. 2808.5	Sec. 2808.10	1, 4, 6
		Permit Required	R	Sec. 2808.3	Sec. 2808.10.1	1, 4, 6

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Financial Assurance	R	Sec. 2808.4	Sec. 2808.10.2	1, 4, 6
		Notification of Fire Department	R	Sec. 2808.6	Sec. 2808.10.3	1, 4, 6
		Equipment Operator Emergency Call	R	Sec. 2808.7	Sec. 2808.10.4	1, 4, 6
		Incoming Waste Diversion Plan	R	Sec. 2808.8	Sec. 2808.10.5	1, 4, 6
		Unprocessed or Non-Green Waste	R	Sec. 2808.9	Sec. 2808.10.6	1, 4, 6
		Fire Access Roadway	R	Sec. 2808.10	Sec. 2808.10.7	1, 4, 6
		General Fire Safety Rules	R	Sec. 2808.18	Sec. 2808.10.8	1, 4, 6
		Site Security	R	Sec. 2808.19	Sec. 2808.10.9	1, 4, 6
		Smoking Prohibited & Open Burning	R	Sec. 2808.20	Sec. 2808.10.10	1, 4, 6
		Definitions	R	Sec. 2808.2	IN CH 2 DEFENITIONS	1, 4, 6
Sec. 3206.2	Sec. 96.1.3206.2	General Fire Protection and Life Safety Features	D	Sec. 3206.2	Sec. 3206.2	3
Sec. 96.1.3318	Sec. 96.1.3319	Fuel Modification Zone Requirements	A	Sec. 3318	Sec. 3319	4
	Sec. 96.1.4901	General 4901	R		Sec. 4901	4
		Scope	R		Sec. 4901.1	4
		Purpose	R		Sec. 4901.2	4
	Sec. 96.1.4902	Definitions 4902	R		Sec. 4902	4
Sec. 96.1.4902		Definitions: General	R	Sec. 4902.1	Sec. 4902.1	4
		Declaration	R	Sec. 4902.2	Sec. 4904.3.1	4
Sec. 96.1.4903		Fire Protection Plan	R	Sec. 4903	Sec. 4903	4
	Sec. 96.1.4903	Plans 4903	R		Sec. 4903	1, 4
		Plans: General	N		Sec. 4903.1	6
		Plans: When Required	R		Sec. 4903.1.1	1, 4
		Plans: Contents	N		Sec. 4903.2	1, 4
		Plans: Project Info	N		Sec. 4903.2.1	1, 4
		Plans: Preliminary Fire Protection Plan	N		Sec. 4903.2.1.1	1, 4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Plans: Final Fire Protection Plan	N		Sec. 4903.2.1.2	1, 4
	Sec. 96.1.4904	Fire Hazard Severity Zones 4904	R			1, 4
		Fire Hazard Severity Zones: General	R		Sec. 4904.1	1, 4
		Fire Hazard Severity Zones: Classifications	R		Sec. 4904.2	1, 4
		Fire Hazard Severity Zones: Amendment to Classifications	AMEND		Sec. 4904.2.1	1, 4
		Fire Hazard Severity Zones: Local Agency Requirements	N		Sec. 4904.3	1, 4
		Fire Hazard Severity Zones: Local Agency Ordinances	N		Sec. 4904.3.1	1, 4
		Fire Hazard Severity Zones: Local Agency Discretion	N		Sec. 4904.3.2	1, 4
	Sec. 96.1.4905	Wildfire Protection Building Construction 4905	NC		Sec 4905	5
Sec.96.1.4905		Wildfire Protection Building Construction: General	NC	Sec. 4905.1	Sec. 4905.1	5
Sec. 96.1.4905		Wildfire Protection Building Construction: Construction methods	NC	Sec. 4905.1	Sec. 4905.2	5
		Wildfire Protection Building Construction: Establishment of Limits	NC		Sec. 4905.3	5
	Sec.96.1.4906	Vegetation Management 4906	AMEND		Sec. 4906	1, 4
		Vegetation Management: General	AMEND		Sec. 4906.1	1, 4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Vegetation Management: Application	AMEND		Sec. 4906.2	1, 4
		Vegetation Management: Landscape Plans When Required	AMEND		Sec. 4906.3	1, 4
		Vegetation Management: Landscape Plans	AMEND		Sec. 4906.3	1, 4
		Vegetation Management: Contents	AMEND		Sec. 4906.3.1	1, 4
		Vegetation Management: Vegetation	AMEND		Sec. 4906.4	1, 4
		Vegetation Management: Shrubs	AMEND		Sec. 4906.4.1	1, 4
		Vegetation Management: Trees	AMEND		Sec. 4906.4.2	1, 4
		Vegetation Management: Non- Fire Resistant	AMEND		Sec. 4906.4.2.1	1, 4
Sec. 96.1.4907	Sec. 96.1.4907	Defensible Space 4907		Sec. 4907	Sec. 4907	1, 4, 6
		Defensible Space: General	R		Sec. 4907.1	1, 4, 6
		Defensible Space: Application	N		Sec. 4907.2	1, 4, 6
		Defensible Space: Requirements	N		Sec. 4907.3	1, 4, 6
		Defensible Space: Building and Structure setbacks from property line	R	Sec. 4907.1	Sec. 4907.4	1, 4, 6
		Defensible Space: General Fire Setbacks	R	Sec. 4907.1.1	Sec. 4907.4.1	1, 4
		Defensible Space: Fire Setbacks adjacent protected areas	R	Sec. 4907.1.2	Sec. 4907.4.2	1, 4
		Defensible Space: Building and Structure Setback from Slope	R	Sec. 4907.1.3	Sec. 4907.4.3	5

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Defensible Space: Amendment to Building and Structure Setback from Slope	AMEND		Sec. 4907.4.3	1, 4, 6
		Defensible Space: Fuel Modification	R	Sec. 4907.2	Sec. 4907.5	1, 4, 6
		Defensible Space: Amendment to Fuel Modification San Marcos	AMEND		Sec. 4907.5	1, 4, 6
		Defensible Space: Fuel Modification of Combustible Vegetation from Sides of Roadways	R	Sec. 4907.2.1	Sec. 4907.6	1, 4, 6
		Defensible Space: Community Fuel Modification	R	Sec. 4907.2.2	Sec. 4907.7	4
		Defensible Space: Land ownership	R	Sec. 4907.2.2.1	Sec. 4907.7.1	4
		Defensible Space: Maintenance of Defensible Space	R	Sec. 4907.3	Sec. 4907.8	4
		Defensible Space: Trees	R	Sec. 4907.3.1	Sec. 4907.8.1	4
		Defensible Space: Amendment to Orchards, Groves and Vineyards	AMEND	Sec. 4907.3.2	Sec. 4907.8.2	4
		Defensible Space: Amendment to Eucalyptus forest and oak woodlands	AMEND	Sec. 4907.3.3	Sec. 4907.8.3	4
		Defensible Space: Home Ignition Zones	R	Sec. 4907.4	Sec. 4907.9	4
		Defensible Space: Zone 0 - Immediate Zone 0'-5'	AMEND		Sec. 4907.9.1	4
		Defensible Space: Zone 1 - Intermediate Zone 5'-50'	AMEND		Sec. 4907.9.2	4
		Defensible Space: Zone 2 - Extended Zone 50'-100'	AMEND		Sec. 4907.9.3	4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		Defensible Space: Amendment to Landscape Plans (RSF)	AMEND	Sec. 4907.5	Sec. 4907.10	4
		Defensible Space: Amendment to Landscaping Requirements (RSF)	D		Sec. 4907.10.1	3
		Defensible Space: Amendment to Landscaping Installation (RSF)	D		Sec. 4907.10.2	3
	Sec. 96.1.4908	Fire Safe Development Regulations 4908	N		Sec. 4908	4
		Fire Safe Development Regulations: General	N		Sec. 4908.1	4
		Fire Safe Development Regulations: Subdivision Map Findings	N		Sec. 4908.2	4
	Sec. 96.1.4909	Subdivision Review Survey 4909	N		Sec. 4909	4
		Subdivision Review Survey: Subdivision Identification	N		Sec. 4909.1	4
		Subdivision Review Survey: Fire Safety Recommendations	N		Sec. 4909.2	4
		Subdivision Review Survey: Implementation	N		Sec. 4909.3	4
		Subdivision Review Survey: Re-Survey	N		Sec. 4909.4	4
	Sec. 96.1.4910	General Plan Safety Element 4910	N		Sec. 4910	4
		General Plan Safety Element: General	N		Sec. 4910.1	4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
		General Plan Safety Element: Submission	N		Sec. 4910.2	4
		General Plan Safety Element: Review	N		Sec. 4910.3	4
		General Plan Safety Element: Adoption	N		Sec. 4910.4	4
Sec. 96.1.5601.2	Sec. 96.1.5607.16	Explosives and Fireworks Applicability	R	Sec. 5601.2	Sec. 5607.16	1, 4
Sec. 96.1.5601.2	Sec. 96.1.5607.16.1	Applicability	R	Sec. 5601.2	Sec. 56016.1	1, 4
		Definitions	R	Sec. 5601.2.1	Sec. 5607.16.2	1, 4
		Application	R	Sec. 5601.2.2	Sec. 5607.16.2.1	1, 4
		Permit Requirements	R	Sec. 5601.2.3	Sec. 5607.16.3	1, 4
		Amendment to Blasting Permit Required	R	Sec. 5601.2.3.1	Sec. 5607.16.3.1	1, 4
		Permit Conditions	R	Sec. 5601.2.4	Sec. 5607.16.3.2	1, 4
		Insurance and indemnification Required	R	Sec. 5601.2.5	Sec. 5607.16.3.3	1, 4
		Blasting Hours	R	Sec. 5601.2.6	Sec. 5607.16.3.4	1, 4
		Additional Operational Requirements	R	Sec. 5601.2.7	Sec. 5607.16.3.5	1, 4
		Seizure of illegal Items	R	Sec. 5601.2.8	Sec. 5607.16.3.6	1, 4
		Violations for false or misleading information	R	Sec. 5601.2.9	Sec. 5607.16.3.7	1, 4
		Fees	R	Sec. 5601.2.10	Sec. 5607.16.3.8	1, 4
Sec. 96.1.5608.1	Sec. 96.1.5608.1	Fireworks Display General	R	Sec. 5608.1	Sec. 5608.1	5
		Scope	R	Sec. 5608.1.1	Sec. 5608.1.1	5
Sec. 96.1.5705.2.4	Sec. 96.1.5705.2.4	Transferring Class I, II or III Liquids	R	Sec. 5705.2.4	Sec. 5705.2.4	5
Sec. 5706.2.5.2.1	Sec. 96.1.5706.2.5.2.1	Tanks for Gravity Discharge	A	Sec. 5706.2.5.2.1	Sec. 5706.2.5.2.1	5

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
Sec. 5706.2.8.2	Sec. 5706.2.8.2	Prohibition on Use of Tank Vehicle	A	Sec. 5706.2.8.2	Sec. 5706.2.8.2	5
Sec. 6107.5	Sec. 96.1.6107.5	Safety Precautions and Devices Securing LPG	A	Sec. 6107.5	Sec. 6107.5	5
Sec. 96.1.8001	Sec. 96.1.8001	Referenced Standards	NC	Sec. 8001	Sec. 8001	1, 2, 3, 4
		NFPA 13D	R	Sec. 8001	Sec. 8001	1, 2, 3, 4
		Spare Sprinkler Heads	R	5.1.1.2	5.1.1.2	5
		Pressure Reducing Valve	D	7.1.5	7.1.5	1, 3, 4
		Amendment to Inspector Test (RSF & VC)	AMEND	7.2.5	7.2.5	5
		Pressure Gauge (GROUP)	A	7.3.3	7.3.4	1, 4
		Alarms (GROUP)	R	7.6	7.6	1, 4
		Sprinklered areas to be omitted (GROUP)	R	8.3.2	8.3.2	5
		Amendment to NFPA 13D Sprinklers required (RSF)	AMEND	8.3.3	8.3.3	1, 4
		Installing sprinklers in garages, carports, patios over 10' (RSF)	R	8.3.4	8.3.4	1, 4
		Installing sprinklers in garages (GROUP)	R	8.3.4	8.3.4	5
		Installing sprinkler above FAU (GROUP)	R	8.3.5.1.1	8.3.5.1.1	5
		Sprinklers shall be installed in saunas and wine rooms (RSF)	A	8.3.10	8.3.10	5
		3-Head Calculation (GROUP)	A	10.2.4.1	10.2.4.1	5
		Pressure cushion (GROUP)	A	10.2.5	10.2.5	5
		Hydrostatic Test (GROUP)	R	11.2.1.1	11.2.1.1	5
		Inactive Systems (GROUP)	R	12.3.3	12.3.6	4

County Section Old (2020)	County Section New (2023)	Subject	Added, Amend, Revised	2020 Fire District Section (2020)	2023 Fire District Section (2023)	Difference
Sec. 96.1.APP.B103.	Sec. 96.1.APP.B103.3	Areas Without Water Supply Systems	NC	Appendix B103.3	Appendix B103.3	5
Sec.96.1.APP.H100	Sec. 96.1.APP.H	Reporting Forms	NC	Appendix H	Appendix H	5
Sec. 96.1.007	Sec. 96.1.007	Effective Date	R			4
		Index by code section	NC			5
		Findings	NC			5
		Additional Findings for Chapter 49 WUI	NC			5
		Findings for the Fire Code	NC			5
	Annex A	Annex Residential Turn Around	A		Annex A	6
	Annex B	Annex Commercial Turn Around	A		Annex B	6
	Annex C	Annex Slope Measurements	A		Annex C	6
	Annex D	Annex Fuel Modifications Measurements	A		Annex D	6
	Annex E	Annex Defensible Space Ordinance Maps	A		Annex E	6
	Annex F	Annex Private Water Storage Tank plan requirements	A		Annex F	6

1. Showed the language and text that is different from the California Fire Code and the County Code as shown in *Italics*
2. Changed punctuation or a grammatical change.
3. Words were deleted or sections deleted. County amendments were not necessary as section was adopted in model code language.
4. Revised or amended texts. Changes from the previous code that have been revised.
5. NO CHANGE (NC) means no changes made. Language is the same.
6. NEW – Means new image or section provided for clarity.

FINDINGS

FOR REVISION OF THE RANCHO SANTA FE FIRE PROTECTION DISTRICT AMENDMENTS TO THE 2022 CALIFORNIA FIRE CODE OF THE CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9

As required by Health and Safety Code section 17958 the Rancho Santa Fe Fire Protection District does herewith make express findings that amendments to the 2022 California Fire Code are necessary for the protection of the public health, safety, and welfare due certain climatic, topographic, or geological features existing in the County of San Diego.

The following matrix lists the Rancho Santa Fe Fire Protection District amendments and the corresponding express findings. Minor editorial changes or typographical corrections to the Fire Code are not shown in these findings. The full texts of the proposed Rancho Santa Fe Fire Protection District amendments are shown in Rancho Santa Fe Fire Protection District Fire Code.

Additional Findings for Chapter 49

REQUIREMENTS FOR WILDLAND-URBAN INTERFACE FIRE AREAS

As required by Health and Safety Code section 17958 the Rancho Santa Fe Fire Protection District Board of Directors does herewith make express findings that amendments to the California Building Standards Code are necessary for the protection of the public health, safety and welfare due certain climatic, topographic or geological features existing in the County of San Diego.

DEFINITIONS:

CLIMATE. The average course or condition of the weather at a particular place over a period of many years, as exhibited in absolute extremes, means and frequencies of given departures from these means (i.e., of temperature, wind velocity, precipitation and other weather elements).

TOPOGRAPHY. The configuration of landmass surface, including its relief (elevation) and the position of its natural and man-made features that affect the ability to cross or transit a terrain.

GEOGRAPHY. A science that deals with the earth and its life, especially the description of land, sea, air, and the distribution of plant and animal life including man and his industries with reference to the mutual relations of these diverse elements. Webster's Third New California Dictionary

CLIMATIC CONSIDERATIONS:

There are two types of climates: macro and micro. A macro climate affects an entire region and gives the area a general environmental context. A microclimate is a specific variation that could be related to the other two factors, topography and geography. A microclimate may cover a relatively small area or be able to encompass an entire community, as opposed to another community in the same County of San Diego.

Climatic consideration should be given to the extremes, means, and anomalies of the following weather elements:

1. Temperatures.
2. Relative humidities.
3. Precipitation and flooding conditions.
4. Wind speed and duration of periods of high velocity.
5. Wind direction.
6. Fog and other atmospheric conditions.

TOPOGRAPHIC CONSIDERATIONS:

Topographic considerations should be given to the presence of the following topographical elements:

1. Elevation and ranges of elevation.
2. Location of ridges, drainages and escarpments.
3. Percent of grade (slope).
4. Location of roads, bridges and railroads.
5. Other topographical features, such as aspect exposure.

This information becomes an important part of creating an analysis of urban-wildland areas because topography and slope are key elements (along with fuel type) that create the need for specific ignition-resistance requirements in this code

GEOGRAPHIC CONSIDERATIONS:

Geography should be evaluated to determine the relationship between man-made improvements (creating an exposure) and factors such as the following:

1. Fuel types, concentration in a mosaic and distribution of fuel types.
2. Earthquake fault zones.
3. Hazardous material routes.
4. Artificial boundaries created by jurisdictional boundaries.
5. Vulnerability of infrastructure to damage by climate and topographical concerns.

Findings for the Fire Code

Finding 1

The Rancho Santa Fe Fire Protection District herewith make findings that flood conditions carry the potential for overcoming the ability of the fire department to aid or assist in fire control, evacuations, rescues and the emergency task demands inherent in such situations. The potential for flooding conditions results in limiting fire department emergency vehicular traffic, with resulting overtaxing fire department personnel, may further cause a substantial or total lack of protection against fire for the buildings and structures located within the jurisdiction.

Finding 2

The Rancho Santa Fe Fire Protection District is situated near three major faults, each capable of generating earthquakes of significant magnitude. These are the Rose Canyon Fault, the Elsinore Fault, and the Agua Caliente Fault. These faults are subject to becoming active at any time; the Rancho Santa Fe Fire Protection District is particularly vulnerable to devastation should such an earthquake occur.

The potential effects of earthquake activity include isolating certain areas of Rancho Santa Fe Fire Protection District from the surrounding area and restricting or eliminating internal circulation due to the potential for collapsing of highway overpasses and underpasses, along with other bridges in the area, or an earth slide, and the potential for vertical movement rendering surface travel unduly burdensome or impossible.

Finding 3

The Rancho Santa Fe Fire Protection District is bisected by San Diego County of San Diego roadway system. This highway is heavily traveled by transportation vehicles carrying known toxic, flammable, explosive and hazardous materials. The potential for release or threatened release of a hazardous material along this route and others within the district is likely given the volume transported daily. Incidents of this nature will normally require all available emergency response personnel to prevent injury and loss of life and to prevent, as far as practicable, property loss. Emergency personnel responding to such aforementioned incidents may be unduly impeded and delayed in accomplishing an emergency response as a result of this situation. With the potential result of undue and unnecessary risk to the protection of life and public safety and, in particular, endangering residents and occupants in buildings or structures without the protection of automatic fire sprinklers.

Finding 4

Much of the rural area of the Rancho Santa Fe Fire Protection District is a mountainous topography and lacks the infrastructure needed for water supply (fire flow) and experiences

water shortages from time to time. Those conditions have severely adverse effect on water availability for firefighting. Fires starting in sprinklered buildings are typically controlled by one or two sprinkler heads, flowing as little as 13 gallons per minute.

Hose streams used by engine companies on well- established structure fires operate at about 250 gallons per minute each, and the estimated water need for a typical residential fire is 1,250 to 1,500 gallons per minute, according to the Insurance Service Office and the 2022 California Fire Code.

Under circumstances such as, lack of water infrastructure, earthquakes, multiple fires and wildland fires within a community, the limited water demands needs of residential fire sprinklers would control and extinguish many fires before they spread from building to wildland. In such a disaster, water demands needed for conflagration firefighting probably would not be available.

Finding 5

The topography of the Rancho Santa Fe Fire Protection District presents problems in delivery of emergency services, including fire protection. Hilly terrain has narrow, winding roads with very little circulation, preventing rapid access and orderly evacuation. Much of these hills are covered with highly combustible natural vegetation. In addition to access and evacuation problems, the terrain makes delivery of water extremely difficult. Some hill areas are served by water pump systems subject to failure in fire, high winds, earthquake and other power failure situations. This would only allow domestic gravity feed water from tanks and not enough water for firefighting.

Finding 6

Due to the mountainous topography in much of the rural area of the Rancho Santa Fe Fire Protection District, roadway condition, gates, angle of approach or departure, steeply sloping roadways and grades are common. It is very important that roadways be named and identified in order to facilitate emergency response

Finding 7

Due to the mountainous topography in much of the rural area of the Rancho Santa Fe Fire Protection District, steep, narrow and winding roads and areas of heavy brush are common. These features make it difficult for emergency response personnel to easily and quickly find the location of the site that requires assistance. It is therefore essential that street numbers and signs be easily readable to ensure the quickest response times for a given location.

Finding 8

Due to access and mountainous topography in much of the Rancho Santa Fe Fire Protection District, difficult roadway conditions, gates, angle of approach or departure, steeply sloping roadways and grades are common. In addition, combining potentially severe rainstorms

and ground water retention of many areas of the district where there is expansive soil. This produces a condition wherein the moisture content of the soil is sufficient that roadways become damaged due to soil expansion and shrinkage. All weather, paved surfaces capable of supporting the imposed loads of fire apparatus are necessary to ensure access of emergency response personnel. These roadways, gates, approach angles, steep slopes and grades can also make it difficult for fire apparatus and other emergency vehicles to access a site. It is therefore essential that these roadway accesses be provided with proper all weather, paved surfaces, angle of approach, grades and gate access.

Finding 9

Due to the mountainous topography served by most of the Rancho Santa Fe Fire Protection District, conditions exist such as poor water supply, poor access roads, steep grades and steep canyon slopes. In addition, the distances emergency response personnel must travel can be very large and the response times can be long. Numerous studies of the growth of a fire in relation to time have proven that at ten minutes the fire is expected to have burned beyond control and any occupants remaining in the burning building would not be expected to survive. A ten-minute response time more realistically represents the time beyond which serious injury or death is expected to occur. It is therefore found that the Rancho Santa Fe Fire Protection District response time at which mitigation would be required, is 10 minutes. Such mitigation would be in the form of fire sprinklers or increased fire flow. In addition, with fire sprinklers and smoke detectors together have reduced the number of fatalities in homes by 59%

Finding 10

Areas in the Rancho Santa Fe Fire Protection District can have special fire prevention needs not fully covered by the provisions of the Fire Code itself. This is due to the unique topographic features demographics, infrastructure, and local economics of the Fire District.

Finding 11

The topography of the Rancho Santa Fe Fire Protection District presents problems in delivery of emergency services, including fire protection. Hilly terrain has narrow, winding roads with little circulation, preventing rapid access and orderly evacuation. Much of these hills are covered with highly non-fire resistive natural vegetation. In addition to access and evacuation problems, the terrain makes delivery of water extremely difficult. Some hill areas are served by water tank and pump systems are subject to failure in fire, high winds, earthquake and other power failure situations.

The aforementioned problems are set forth in the 2022 California Building Code and amendments.

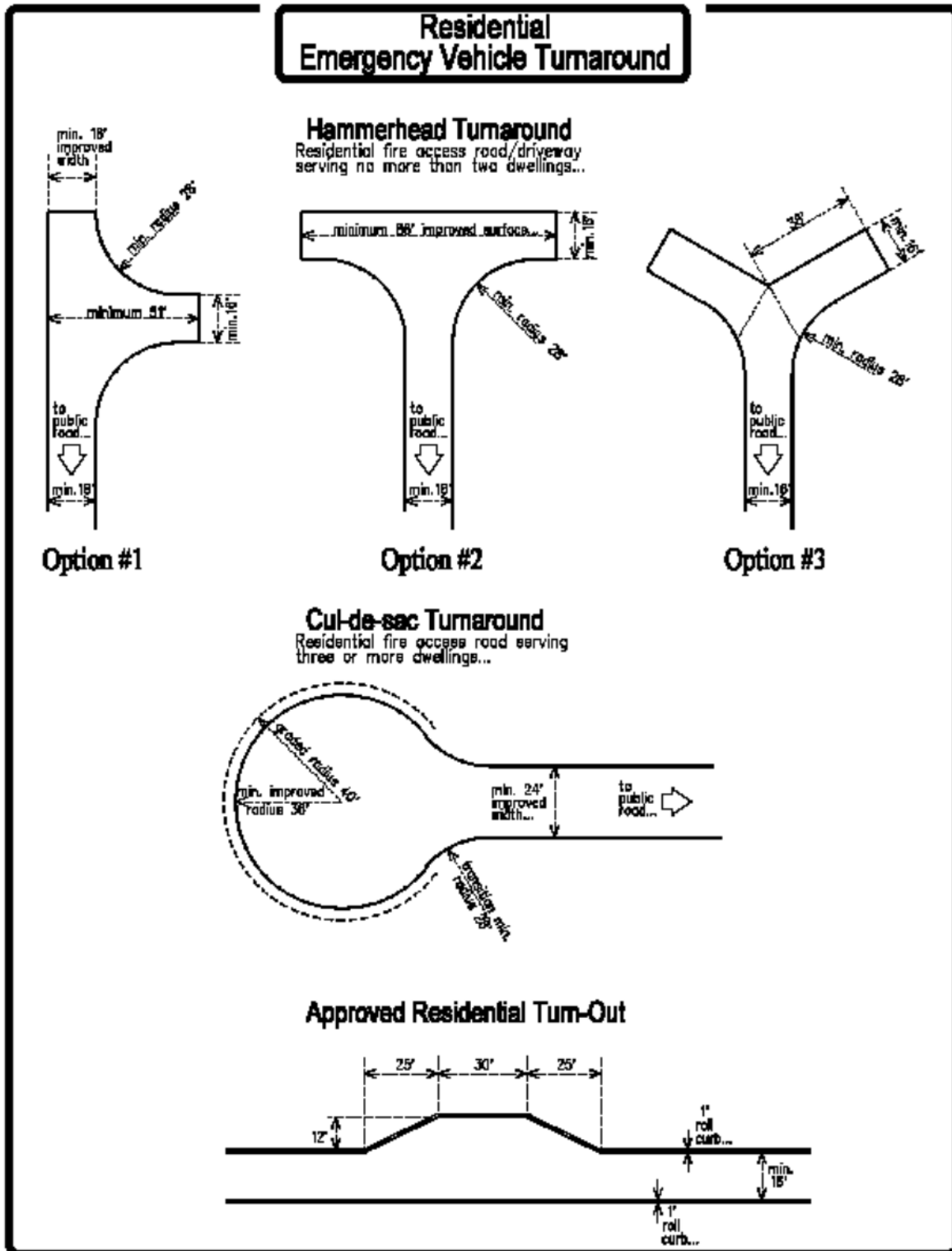
Finding 12

The seasonal climatic conditions during the late summer and fall create numerous serious difficulties regarding the control of and protection against fires in the Rancho Santa Fe Fire Protection District. The hot, dry weather typical of this area in summer and fall, coupled with Santa Anna winds and low humidity frequently results in wildfires that threaten or could threaten the Rancho Santa Fe Fire Protection District.

Although some code requirements, such as fire-resistive roof classification, have a direct bearing on building survival in a wildland fire situation, others, such as residential fire sprinklers, may also have a positive effect. In dry climate on low humidity days, many materials are much more easily ignited. More fires are likely to occur and any fire, once started, can expand extremely rapidly. Residential fire sprinklers can arrest a fire starting within a structure before the fire is able to spread to adjacent brush and structures.

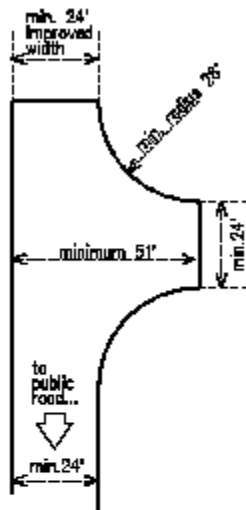
A seasonal wind also has the potential for interfering with emergency vehicle access, delaying or making impossible fire responses, because of toppling of extensive plantings of dense chaparral, eucalyptus and conifers trees. The trees are subject to uprooting in strong winds due to relatively small root bases compared to the tree itself. The aforementioned problems support the imposition of fire-protection requirements greater than those set forth in the Building Code or Fire Code.

**ANNEX A RESIDENTIAL FIRE APPARATUS TURN AROUND
REFERENCED SEC. 503.2.5 DEAD ENDS**



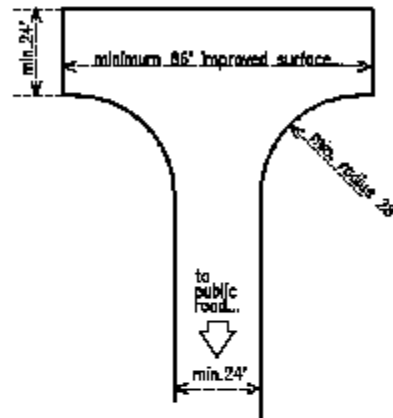
ANNEX B COMMERCIAL FIRE APPARATUS TURN AROUND
REFERENCED SEC. 503.2.5 DEAD ENDS

**Commercial
Emergency Vehicle Turnaround**



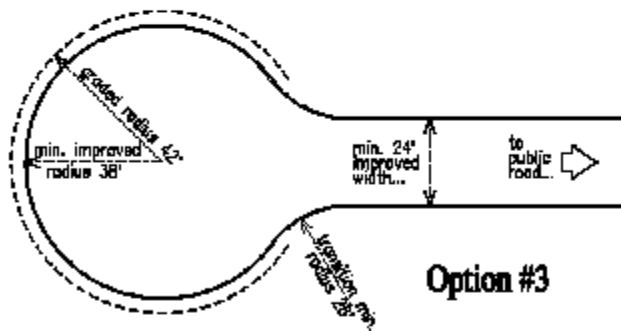
Option #1

Hammerhead Turnaround
Commercial fire apparatus access roadway...



Option #2

Cul-de-sac Turnaround
Commercial fire apparatus access roadway...



Option #3

ANNEX C SLOPE CROSS SECTION MEASUREMENTS REFERENCED SEC. 4907.4.3

4907.4.3 Building and Structure setback from slope. Single-story buildings or structures shall be setback a minimum 15 feet horizontally from top of slope to the furthest projection from the structure. A single-story building or structure shall be less than 12 feet above grade, measured from plate height. A two-story building or structure shall be setback a minimum of 30 feet horizontally from top of slope to the furthest projection from the structure. A two-story building or structure shall be greater than a 12-foot plate height but shall not exceed 35 feet in total height. Buildings and structures greater than two stories may require a greater setback as determined by the fire code official.

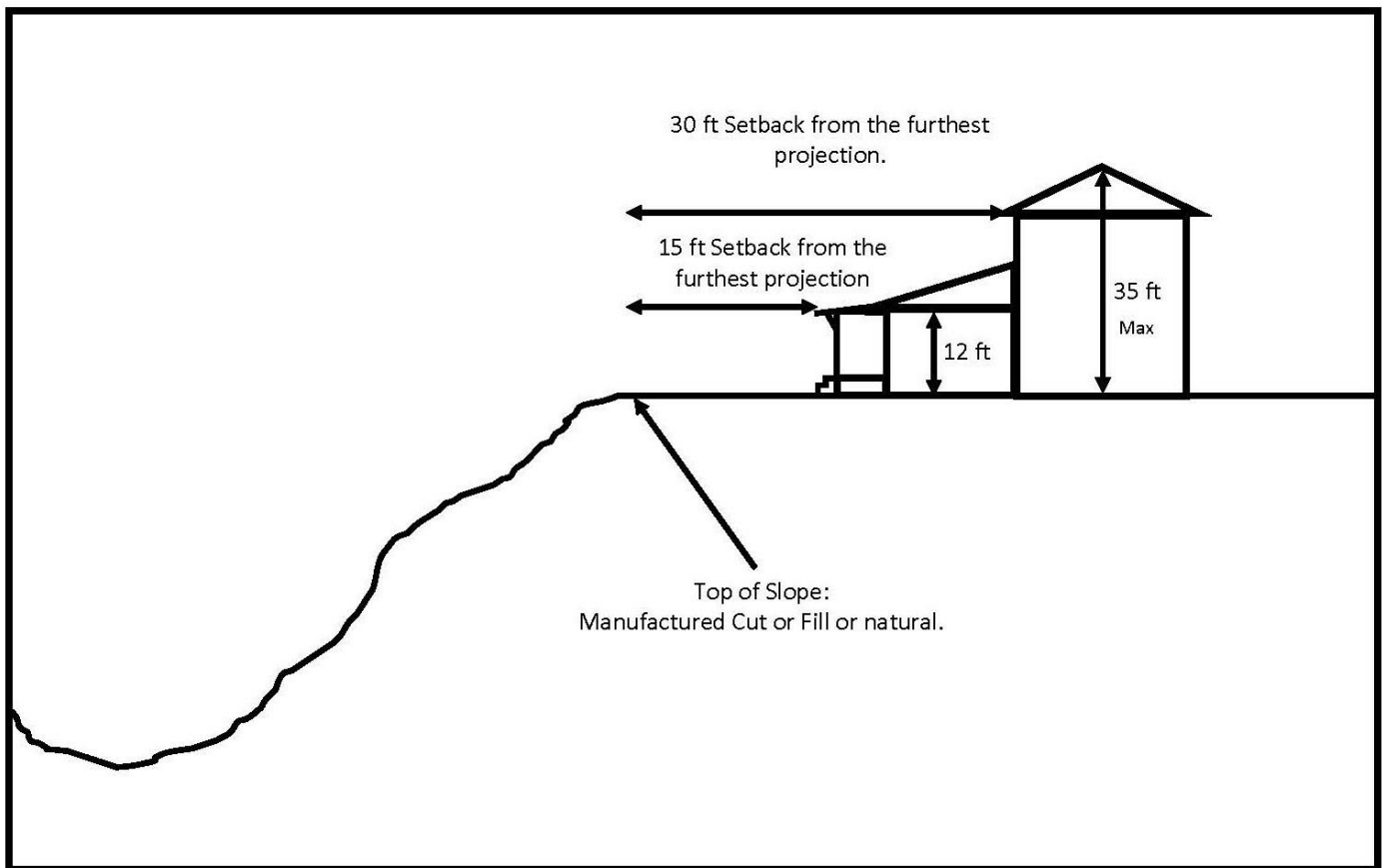
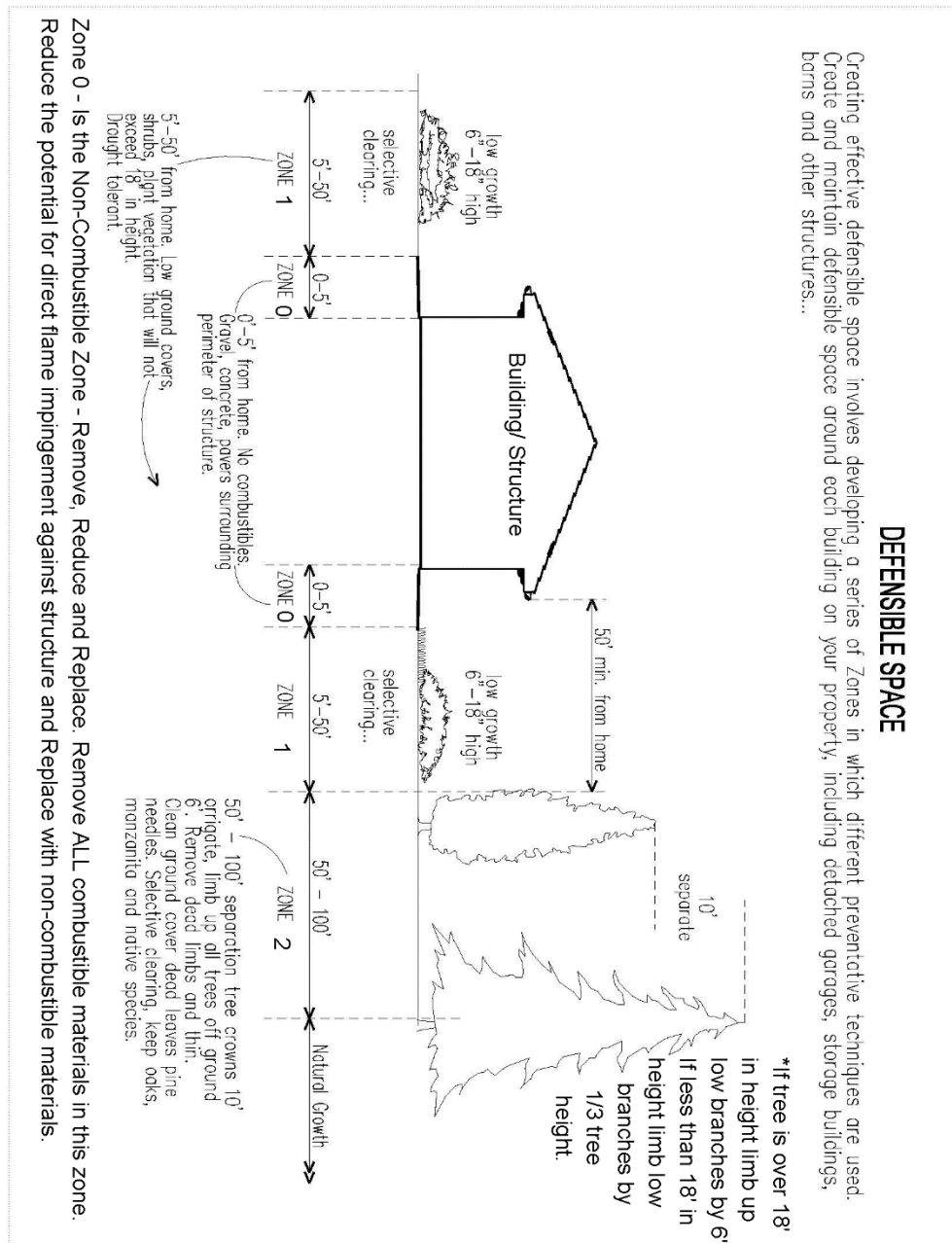


Figure 1. Top of Slope Setback

ANNEX D FUEL MODIFICATION ZONES MEASUREMENTS REFERENCED FIGURE 4907.5

Create and maintain Zone 0 Non-Combustible Zone. Remove ALL Combustible materials: Vegetation, mulch, bark, sheds, fences attachments within this zone.
REMOVE – Combustible materials in this zone
REDUCE – Potential for direct flame against building or structure
REPLACE – Non-combustible materials acceptable to FAHJ



ANNEX E DEFENSIBLE SPACE ORDINANCES

Refer to the map on the following page to determine the appropriate Unincorporated Fire District. Defensible Space Ordinances defer depending on which Fire District your property is located. The Defensible Space Ordinance for the San Diego County Fire Protection District is included in the following pages of this Appendix. If your property is in a Fire District other than the San Diego Fire Protection District, refer to the individual web links below.

Alpine Fire Protection District

<https://www.alpinefire.org/files/a935a53b0/2016.01+Weed+Abatement+Ordinance.pdf>

Lakeside Fire Protection District

<https://lakesidefire.org/defensible-space/>

North County Fire Protection District

<https://www.ncfire.org/files/9c10be67f/Ordinance+2001-1+-+Weed+Abatement.pdf>

Rancho Santa Fe Fire Protection District

<http://www.rsf-fire.org/wp-content/uploads/2022/03/0.-Ord-2022-02-Weed-Abatement-Final.pdf>

Rincon Del Diablo Municipal Water District

<http://rinconwater.org/wp-content/uploads/2018/12/Water-Administrative-Code-rev-2017.pdf>

San Marcos Fire Protection District

<https://www.san-marcos.net/departments/public-safety/fire-department/fire-prevention/ab38-defensible-space-inspections>

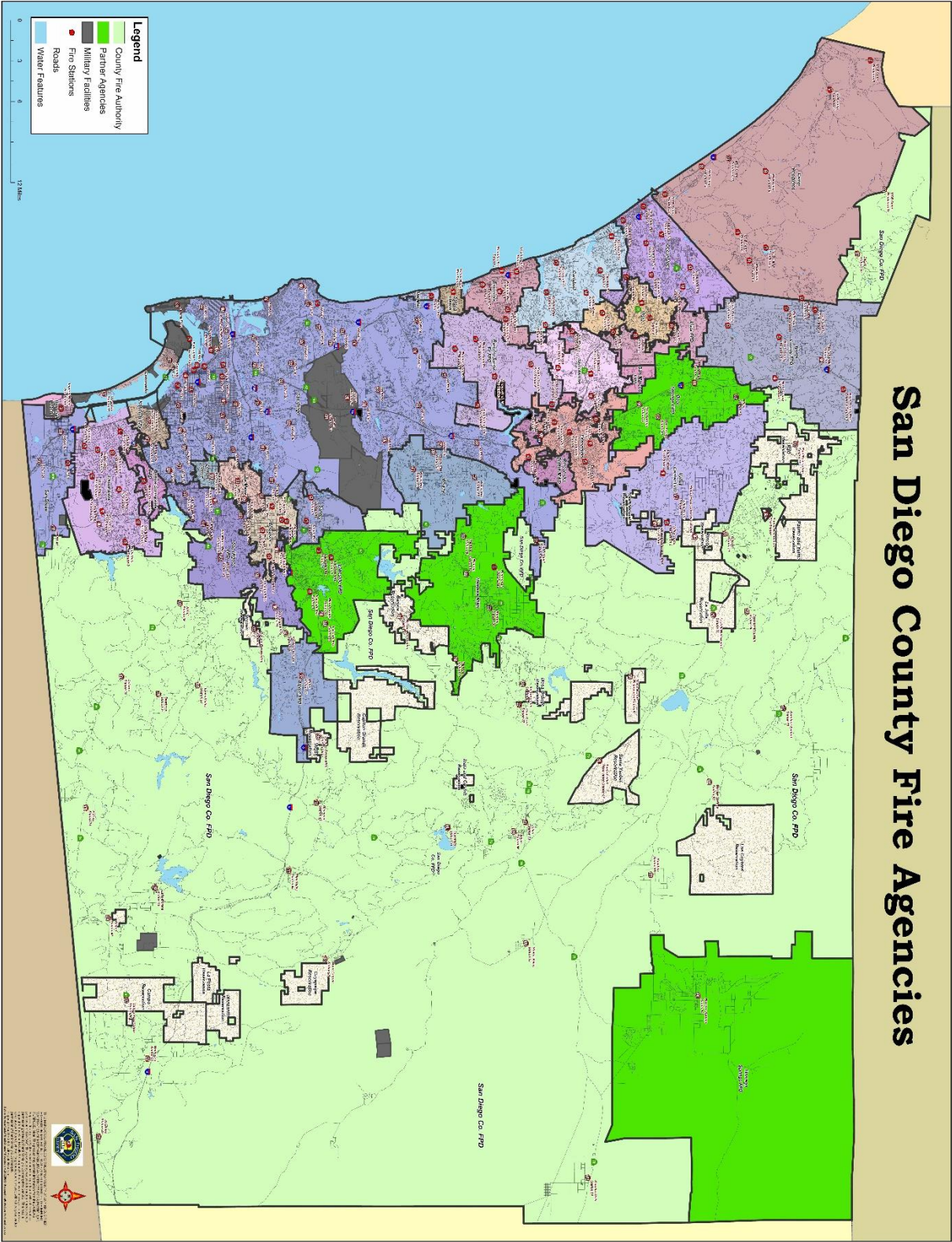
San Miguel Fire Protection District

<https://sanmiguelfire.specialdistrict.org/files/2f4b1b461/Ordinance+14-1+-+Weed+Abatement+%28signed%29.pdf>

Valley Center Fire Protection District

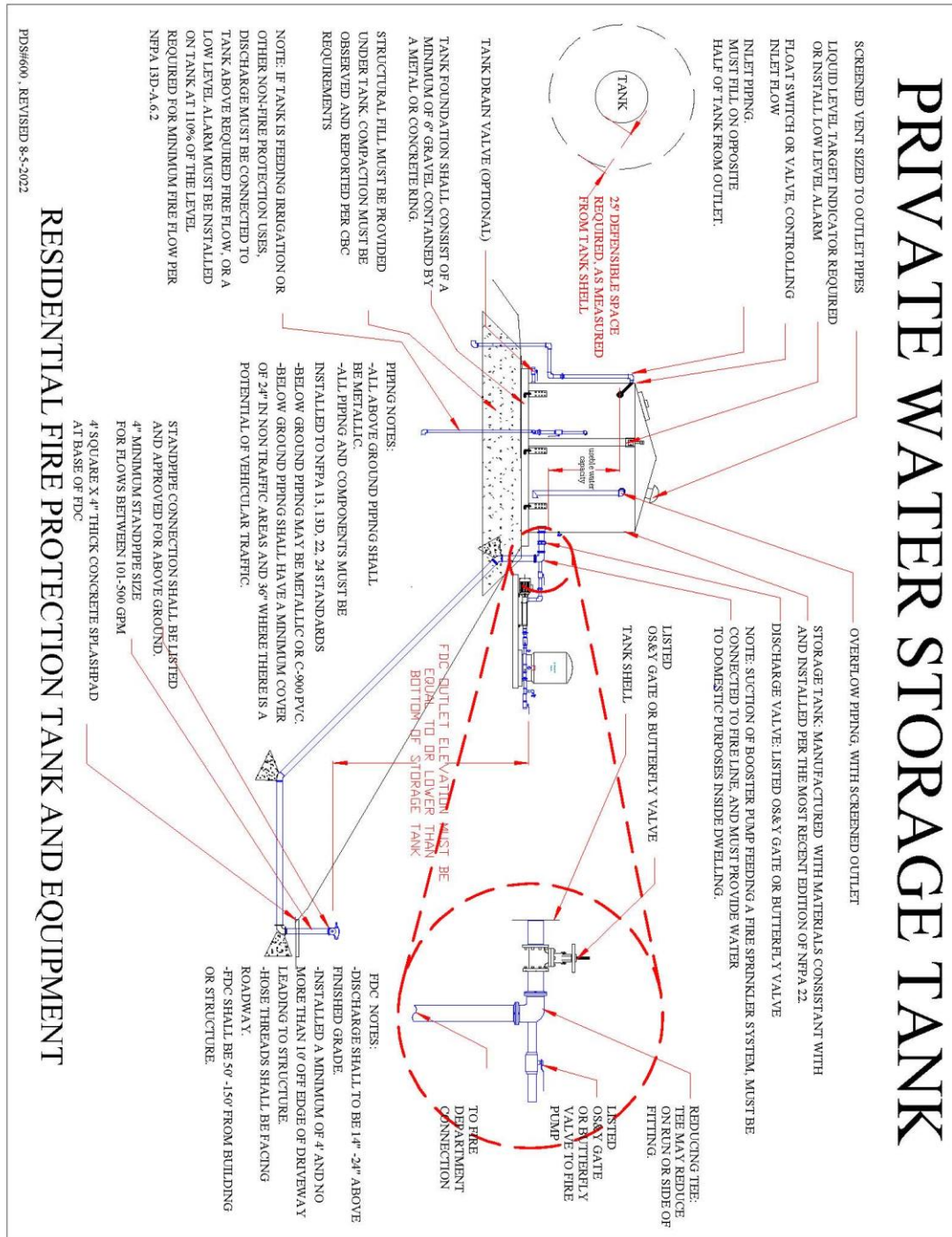
<https://www.valleycenterfire.com/wp-content/uploads/2022/08/Ordinance-55-weed-abatement.pdf>

ANNEX E DEFENSIBLE SPACE ORDINANCES MAP



ANNEX F PRIVATE WATER STORAGE TANK INSTALLATION REQUIREMENTS

Plans shall be submitted to the FAHJ for approval prior to the installation of water tank. All materials shall be listed and approved by the FAHJ. **Figure 507.2.2**



STAFF REPORT

22-16

TO: BOARD OF DIRECTORS
DAVE MCQUEAD, FIRE CHIEF
FROM: MARLENE DONNER, FIRE MARSHAL
SUBJECT: SENATE BILL 1205
DATE: SEPTEMBER 15, 2022



RECOMMENDATION:

Staff recommends the Board of Directors review, approve and adopt Resolution 2022-23, for the mandated reporting required by Senate Bill 1205.

BACKGROUND:

Existing law requires the Fire Chief of any district providing fire protection services and their authorized representatives to inspect every building used as a public or private school within their jurisdiction, for the purpose of enforcing specified building standards, not less than once each year, as provided.

Existing law also requires every district providing fire protection services that is required to enforce specified building standards to annually inspect certain structures, including hotels, motels, lodging houses, and apartment houses, for compliance with building standards, as provided.

This bill SB1205 requires every district to perform the inspections described above and to report compliance annually with the above described inspection requirements as provided. The bill requires the governing authority to acknowledge receipt of the report in a resolution or a similar formal document.

RESOLUTION NO. 2022-23

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE RANCHO SANTA FE FIRE PROTECTION DISTRICT ACKNOWLEDGING RECEIPT OF A REPORT MADE BY THE FIRE CHIEF REGARDING REQUIRED INSPECTIONS OF CERTAIN OCCUPANCIES PURSUANT TO SECTIONS 13146.2 AND 13146.3 OF THE CALIFORNIA HEALTH AND SAFETY CODE.

WHEREAS, California Health & Safety Code Section 13146.4 was added in 2018, and became effective on September 27, 2018; and,

WHEREAS, California Health & Safety Code Sections 13146.2 and 13146.3 requires all fire departments, including the Rancho Santa Fe Fire Protection District, that provide fire protection services to perform annual inspections in every building used as a public or private school, hotel, motel, lodging house, apartment house, and certain residential care facilities for compliance with building standards, as provided and,

WHEREAS, California Health & Safety Code Section 13146.4 requires all fire departments, including the Rancho Santa Fe Fire Protection District, that provide fire protection services to report annually to its administering authority on its compliance with Sections 13146.2 and 13146.3 and,

WHEREAS, the Board of Directors of the Rancho Santa Fe Fire Protection District intends this Resolution to fulfill the requirements of the California Health & Safety Code regarding acknowledgment of the District's compliance with California Health and Sections 13146.2 and 13146.3.

NOW, THEREFORE, BE IT RESOLVED that the Board of the Rancho Santa Fe Fire Protection District expressly acknowledges the measure of compliance of the District with California Health and Safety Code Sections 13146.2 and 13146.3 in the area encompassed by the District Boundaries, as follows:

A. EDUCATIONAL GROUP E OCCUPANCIES:

Educational Group E occupancies are generally those public and private schools, used by more than six persons at any one time for educational purposes through the 12th grade. Within the District, there are eighteen (18) Group E occupancies, buildings, structures and/or facilities.

During calendar year 2022, the District completed the annual inspection of nineteen (19) Group E occupancies, buildings, structures and/or facilities. This is a compliance rate of 100% for this reporting period.

B. RESIDENTIAL GROUP R OCCUPANCIES:

Residential Group R occupancies, for the purposes of this resolution, are generally those occupancies containing sleeping units, and include hotels, motels, apartments (three units or more), etc. as well as other residential occupancies (including residential care facilities). These residential care facilities have a number of different sub-classifications, and they may contain residents or clients that have a range of needs, including those related to custodial care, mobility

impairments, cognitive disabilities, etc. The residents may also be ambulatory, non-ambulatory or bedridden. Within the District there are fourteen (14) Group R (and their associated sub-categories) occupancies of this nature.

During calendar year 2022, the District completed the annual inspection of twelve (12) Group R occupancies, buildings, structures and/or facilities. This is a compliance rate of 100% for this reporting period.

Additional items of note regarding this compliance rate can be found in the accompanying staff report for this resolution.

PASSED AND ADOPTED at the regularly scheduled meeting of the Board of Directors of the Rancho Santa Fe Fire Protection District on September 21, 2022 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

JAMES H. ASHCRAFT
Board President

ATTEST:

Alicea Caccavo
Board Clerk

STAFF REPORT

NO. 22-17

TO: BOARD OF DIRECTORS
FROM: DAVE MCQUEAD, FIRE CHIEF
SUBJECT: MANAGEMENT RESOLUTION
DATE: SEPTEMBER 15, 2022



RECOMMENDATION:

The Fire Chief recommends the Board of Directors accept and sign the revised Management Resolution with the adjusted salary range for the Manager of Finance & Administration as presented and notarization compensation for services rendered to the Fire District.

This salary range adjustment will 1) provide continual growth opportunities within the position as we continue to review, revise and/or implement new processes to enhance the efficiency for the district, 2) provide recognition and appreciation, and 3) align the district with succession planning (retention and recruitment). A salary survey was reviewed representing several San Diego County cities and fire districts.

Manager of Finance & Administration:

Current Salary Range:	\$105,287.00 - \$134,241.00
Proposed Salary Range:	\$131,000.00 - \$160,480.00

Proposed Additional Compensation:

The Administration Manager with an active notarization qualification to be compensated \$100.00 per pay-period for services rendered to the Fire District.

BACKGROUND:

The position of the Manager of Finance & Administration was responsible for overseeing both Finance and Human Resource for numerous years. This managerial approach of the past has become obsolete as the positions for Human Resource and Finance have expanded and require individual personnel who are specialized to deal with the growing and changing complexities.

CURRENT:

Today, cities and districts hire personnel for each individual position (human resource, finance and board clerk, as applicable). The Manager of Finance & Administration is responsible for oversight of finance and human resources as it pertains to the District; and serves as the Clerk of the Board.

The philosophy of the Administration Department is to ensure growth and specialty in the finance, human resource, and clerk duties. As a result of this direction, the Fire District is set up for success.

RESOLUTION No. 2022-24

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE RANCHO SANTA FE FIRE PROTECTION DISTRICT ESTABLISHING SALARIES AND BENEFITS FOR MANAGEMENT PERSONNEL

BE IT RESOLVED that the Board of Directors of the Rancho Santa Fe Fire Protection District does hereby authorize the following salary ranges and benefits for management personnel effective July 1, 2022.

1. SALARIES

1.1 The following salary range for EXEMPT positions identified is as follows:

<i>Position</i>	<i>Range/Annual Salary</i>	
Fire Chief	\$178,056	\$223,197
Deputy Chief	\$175,876	\$201,360
Fire Marshal	\$117,099	\$153,780
Manager of Finance and Administration	\$131,000	\$160,480

1.2 The following salary range for NON-EXEMPT position(s) identified is as follows:

<i>Position</i>	<i>Range/Annual Salary</i>	
Battalion Chief	\$ 134,175	\$ 164,370

2. RETIREMENT

2.1 Retirement (Safety): the district shall retain a retirement plan with the Public Employees Retirement System (PERS) 3% @ 50 plan for all safety employees hired before March 31, 2012. The retirement plan shall include all statutory benefits listed in Government Code Section 20840(e) and the following optional benefits:

a. One-Year Final Compensation

b. 1959 Survivor Benefit – Fourth Level

Note: Government Code Section 20840(e) includes but not limited to: 1) pre-retirement optional settlement 2 death benefit; 2) conversion of unused sick leave to retirement service credit; 3) ability for members to convert, at their own expense, prior military service, and prior public service to CalPERS retirement service; and 4) local system service credit included in the basic death benefit.

2.2 All safety employees enrolled in the CalPERS 3% @ 50 plan, the employee will contribute 100% of the employee's contribution for all reportable wages, plus an additional 2% employee contribution applied towards the District's UAL. The employee will contribute \$2 per month towards the cost of the 1959 Survivor Benefit - Fourth Level.

- 2.3 All safety employees hired after July 1, 2012 the District shall retain a retirement plan with the Public Employee Retirement System (PERS) 3% @ 55 plan. The retirement plan shall include all statutory benefits listed in Government Code Section 20840(e) and the following optional benefit:
- a. 1959 Survivor Benefit – Fourth Level
Note: Government Code Section 20840(e) includes but not limited to: 1) pre-retirement optional settlement 2 death benefit; 2) conversion of unused sick leave to retirement service credit; 3) ability for members to convert, at their own expense, prior military service, and prior public service to CalPERS retirement service; and 4) local system service credit included in the basic death benefit.
- 2.4 All safety employees enrolled in the PERS 3% @ 55 plan, the employee will contribute 100% of the employee's contribution for all reportable wages, plus an additional 2% employee contribution applied towards the District's UAL. The employee will contribute \$2 per month toward the cost of the 1959 Survivor Benefit – Fourth Level.
- 2.5 Employee contributions for employees entering membership on or after January 1, 2013 and subject to the California Public Employees' Pension Reform Act of 2013 (PEPRA) will be determined by CalPERS.
- 2.6 The district agrees to report member contributions as taxed deferred for all employees enrolled in the CalPERS plans.
- 2.7 Retirement (Non-safety): the district shall retain a retirement plan with the Public Employees Retirement System (PERS) 2.7% @ 55 plan for all employees hired before April 1, 2012. The retirement plan shall include all statutory benefits listed in Government Code Section 20840(e) and the following optional benefits:
- a. One-Year Final Compensation
 - b. 1959 Survivor Benefit - Fourth Level
Note: Government Code Section 20840(e) includes but not limited to: 1) pre-retirement optional settlement 2 death benefit; 2) conversion of unused sick leave to retirement service credit; 3) ability for members to convert, at their own expense, prior military service, and prior public service to CalPERS retirement service; and 4) local system service credit included in the basic death benefit.
- 2.8 All non-safety employees enrolled in the PERS 2.7% @ 55 plan, the employee will contribute 100% of the employee's contribution for all reportable wages. The employee will contribute \$2 per month towards the cost of the 1959 Survivor Benefit - Fourth Level.
- 2.9 All non-safety employees hired after July 1, 2012 the District shall retain a retirement plan with the Public Employee Retirement System (CalPERS) 2.5% @ 55 plan. The retirement plan shall include all statutory benefits listed in Government Code Section 20840(e) and the following optional benefit:
- a. 1959 Survivor Benefit – Fourth Level
Note: Government Code Section 20840(e) includes but not limited to: 1) pre-retirement optional settlement 2 death benefit; 2) conversion of unused sick leave to retirement service credit; 3) ability for members to convert, at their own expense, prior military service, and prior public service to CalPERS retirement service; and 4) local system service credit included in the basic death benefit.

- 2.10 All non-safety employees enrolled in the PERS 2.5% @ 55 plan; the employee will contribute 100% of the employee's contribution toward the employee contribution for all reportable wages. The employee will also contribute \$2 per month toward the cost of the 1959 Survivor Benefit – Fourth level.
- 2.11 Employee contributions for employees entering membership on or after January 1, 2013 and subject to the California Public Employees' Pension Reform Act of 2013 (PEPRA) will be determined by CalPERS.
- 2.12 The District agrees to report member contributions as taxed deferred for all employees enrolled in CalPERS.

3. SICK LEAVE

3.1 *Shift Employees*

- 3.1.1 Accrual: Shift employees shall accrue sick leave at the rate of 12 hours per month. Sick leave shall be accumulated with no maximum accrual.
- 3.1.2 At retirement, unused sick leave credit for shift employees shall be converted as follows:
 - a. All unused sick leave hours will be reported to CalPERS for additional service credit, if applicable
 - b. The employee must choose to convert unused sick leave hours to an employee's RHSA at a ratio of 2:1. A minimum of 500 sick leave hours is required to be eligible for this option. The RHSA contribution shall be calculated at the straight time rate and shall not exceed the value of 40 shifts.

3.2 *Non-shift employees*

- 3.2.1 Accrual: Non-shift employees shall accrue sick leave at the rate of 8 hours per month. Sick leave shall be accumulated with no maximum accrual.
- 3.2.2 At retirement, unused sick leave credit for non-shift employees shall be converted as follows:
 - a. All unused sick leave hours will be reported to CalPERS for additional service credit, if applicable; and
 - b. The employee must convert unused sick leave hours to be an employee's RHSA at a ratio of 2:1. A minimum of 357 hours is required to be eligible for this option. The RHSA shall be calculated at the straight time rate and shall not exceed the value of 685 hours.

3.3 *Management Employees*

- 3.3.1 The accrual rate shall apply to the employee's permanent work schedule and not be changed for temporary or short-term assignments.
- 3.3.2 When an employee changes from one work schedule to another work schedule as a permanent assignment, accumulated leave shall be adjusted in accordance with the ratio of one work schedule to the other. Example: factor from 56-hour workweek to 40-hour workweek is .714; the factor from 40-hour workweek to 56-hour workweek is 1.4.
- 3.3.3 Sick leave shall be available for personal illness or injury, emergency medical or dental appointments and for reasonable travel time to and from health care facilities. Sick leave shall also be available to an employee for caring for a member of his/her immediate family who is ill or injured, emergency medical or dental appointments, and for reasonable travel time to and from health care facilities.

- 3.3.4 Definition of Immediate Family - Immediate family shall include husband, wife, child, stepchild, brother, stepbrother, sister, stepsister, parent, stepparent, grandparent, grandchild, or any legal dependent residing in same household.

4. INSURANCE

- 4.1 The district shall contract with a provider(s) for medical and dental benefits for providing employees and their eligible dependents with insurance benefits. The district agrees to contribute 80% of the average CalPERS HMO medical plans listed by the CalPERS in Region 2 or any subsequent region designated by CalPERS as the region in which the district is located; and 100% of the HMO dental plan(s) offered (at the family rate), per month toward medical and dental insurance. This calculated dollar amount shall be inclusive of any mandatory contributions that may be required by the provider. However, if the monthly premiums for medical and dental insurance exceed 80% of the average HMO medical/dental plans offered per month, the affected employee will be responsible for the difference.
- 4.2 Any unused premium may be used for medical/dental expenses as defined by the Administrative Policy for a maximum period of 12 months. After the 12-month period expires, at retirement, or if an employee is of retirement age and separation occurs due to disability or death, 100% of any unused premium shall be transferred to the employee's Retirement Health Savings Account. NOTE: If an employee separates from employment for any other reason, the unused premium shall be forfeited.
- 4.3 Eligible full-time employees may elect to opt out of only the medical insurance if proof of coverage can be provided to the district. If no medical options are selected, the district shall place a capped rate of \$1,000 per month (\$12,000 annually) in the employee's medical reimbursement account. Unused premiums shall be transferred to the employees HRSA per the provisions in 6.01.
- 4.4 Employees, upon retirement, at no additional cost to active employees or to the district shall be allowed to remain on the group dental plan until age 65. The retiree will be required to have the same plan as active employees. The retiree will be responsible for payment of entire premium and a two percent (2%) administrative cost.
- 4.5 Life: The District shall provide a \$50,000 life insurance policy for the employee and the Board of Directors, and \$1,000 life insurance policy for employee's dependents. The policy shall include accidental death and dismemberment coverage.
- 4.6 Long-Term Disability: The District shall provide a Long-Term Disability plan.
- 4.7 In the event the Board of Directors modifies the insurance benefit (increase or decrease) in any other labor contract, this insurance benefit shall be adjusted per said resolution or contract for all positions identified in this Resolution.

5. HEALTH RETIREMENT SAVINGS ACCOUNT

- 5.1 Employees shall be required to participate in a District administered Retirement Health Savings Account (RHSA). The following terms apply:
- Effective July 1, 2006, a monetary contribution will be made by the district in an amount of \$100 per employee per month.
 - The value of any unused medical reimbursement shall be transferred at the end of each calendar and fiscal year to the employee's RHSA (contributed twice a year).
 - If the shift employee has an excess of 480 hours of unused sick leave, then at the end of each calendar year 50% of the unused sick leave (144 minus sick leave used) will be contributed to

the RHSA at the employee's hourly rate.

- d. If the non-shift employee has an excess of 343 hours of unused sick leave, then at the end of each calendar year 50% of the unused sick leave (96 minus sick leave used) will be contributed to the RHSA at the employee's hourly rate.

6. MANAGEMENT INCENTIVE PAY (Exempt)

- 6.1 Effective July 1, 2021, and in recognition of the unique nature of the district's executive management and confidential positions and associated job responsibilities, Management Incentive Pay (**MIP**) may be provided annually as a percentage of annual base salary, 5% of the annual base salary in any calendar year and reported to the California Public Employees' Retirement System as earned per pay period. Management personnel are responsible for coordinating the services provided by their department and are held accountable for responding to the distinctive needs of the community, irrespective of time and place. Management Incentive Pay is available to all exempt employees included in the pay and benefits plan, and exempt employees shall not have the option to decline Management Incentive Pay. Management Incentive Pay shall not be for overtime, nor in lieu of other benefits excluded under the California Public Employees Retirement Law statutes, not for special compensation not otherwise listed in Title 2 CCR, Section 571. To the extent permitted by law, this pay is special compensation and shall be reported as such pursuant to Title 2 CCR, Section 571 (a)(1) Incentive Pay— Management Incentive.
- 6.2 All Exempt Management personnel represented in this resolution will receive a 5% of their annual base salary as of July 1. The MIP provides for additional compensation and/or non-taxable benefit equal to 5.00% of annual base salary as of July 1 and paid once per calendar year on the July 31 pay date. The MIP of 5% of the annual base salary shall only to be used once in a twelve (12) month period for the calculation of reportable compensation. Exempt Management personnel covered by this benefit may choose one of the following options:
 - a. Direct Payment – Cash: this option is considered additional income and is subject to federal and state withholding taxes.
 - b. Direct Payment – Deferred Compensation 457 Plan: this option is considered additional income and is subject to the maximum deferral allowed by the IRS.
 - c. Combination of Option a, or b: this option may not exceed the maximum benefit.
- 6.3 Medical Reimbursement: this option is considered a non-taxable benefit, which may be used for additional medical/dental expenses, and this option is not considered as reportable compensation to CalPERS. Note that unused monies in this account are not eligible for transfer to the District's Health Retirement Savings Account
- 6.4 Staff Management Incentive Pay: Beginning July 1, 2017, all Exempt Management personnel represented in this resolution and who are assigned to a 40-hour or 9/80 workweek, will receive an additional Staff Management Incentive Pay (SMIP) of 5% of their annual base salary. To be eligible for the SMIP, the manager must have been assigned to a 40-hour or 9/80 workweek for a minimum of 65% of the previous fiscal year. The SMIP provides for additional compensation and/or non-taxable benefit equal to 5.00% of annual base salary as of July 1 and paid once per year on the August 15 pay date, or at retirement if employee retires prior to this pay date. This SMIP of 5% of annual base salary shall only to be used once in a twelve (12) month period for the calculation of reportable compensation. Exempt

Management personnel covered by this benefit may choose one of the options described in 6.2 a – c.

7. ADMINISTRATIVE LEAVE

- 7.1 In recognition of the exempt status from FLSA time off for Administrative Leave purposes shall not be deducted from employee accrual unless the employee is absent for greater than 4 hours of consecutive work hours.
- 7.2 The Training Officer (Battalion Chief) as of May 11, 2022, will be the **ONLY** Non-Exempt management position to receive Administrative Leave as they are assigned to 40 hour or 9/80 work week.

8. HOLIDAYS

- 8.1 For the purpose of this section, the legal "holiday" shall mean and include the following days:
 - a. New Year's Day (January 1)
 - b. Martin Luther King Day (third Monday in January)
 - c. President's Day (third Monday in February)
 - d. Memorial Day (fourth Monday in May)
 - e. Independence Day (July 4)
 - f. Labor Day (first Monday in September)
 - g. Veteran's Day (November 11)
 - h. Thanksgiving Day (fourth Thursday in November)
 - i. Day after Thanksgiving Day
 - j. Christmas Day (December 25)
 - k. Floating Holiday
- 8.2 All Chief Officers shall receive holiday payment equal to one-half month's salary, payable on November 15. Rotating schedules to assure availability during holidays will be required.

9. USE OF DISTRICT VEHICLES

- 9.1 The district will assign a vehicle to the following positions for commuting to/from work and all business purposes to insure availability for immediate emergency response:
 - a. Fire Chief
 - b. Deputy Chief
 - c. Fire Marshal
 - d. Battalion Chief – Administrative/Training
- 9.2 Personnel assigned to a take home vehicle must meet a 45-minute response time to District from their place of residence.
- 9.3 Battalion Chief – Shift: while on duty, shift Battalion Chiefs are provided an emergency vehicle to assist in the performance of their duties.
- 9.4 The value for all personal use may be reported as a taxable fringe benefit as established by IRS Regulations and the District's Administrative policy.

10. VACATION ACCRUAL

- 10.1 Annual vacation accrual hours shall be based upon years of service in accordance with the following:

Years of Service	Based on 40-hour work week	Based on 56-hour work week
0 – 4 years	80 hours	144 hours
5 – 9 years	120 hours	168 hours
10 – 14 years	160 hours	192 hours
15 – 19 years	200 hours	240 hours
20+ years	240 hours	288 hours

Note: The Fire Chief is authorized to negotiate the starting vacation accumulation different from shown above for management staff members new to the district.

- 10.2 All management employees shall have the option to sell the excess of 80 hours (non-shift), or the excess of 112 hours (shift) accrued vacation at straight time, not more than twice a year, after the work period ends that include June 30 and December 31.
- 10.3 An employee may only sell a maximum of 200 hours of accrued vacation per calendar year. Minimum vacation accrual balances are required as identified in 10.2.
- 10.4 A written request received by December 31 for payment of accrued vacation sold back to the district, which will be remitted by separate check on January 15. A written request received by June 30 for payment of vacation sold back to the district, which will be remitted by separate check on July 15. No payments under this section will be reported as “reportable compensation” for retirement purposes.

11. NON-EXEMPT FLSA COMPENSATION

- 11.1 The Shift Battalion Chief position shall be paid an hourly rate of time and one-half for all overtime worked beyond their regular hours assigned.
- 11.2 The hourly rate for Training Officer (Battalion Chief) position will be converted to a 40-hour workweek. The hourly rate will be adjusted as specified herein. Factor from 56-hour workweek to a 40-hour workweek is **.714**; Factor from 40-hour workweek to a 56-hour workweek is **1.4**.
- 11.2.1 The Training Officer shall be paid an hourly rate of time and one-half per the 40-hour workweek for all Training Officer/administrative overtime beyond their regular hours assigned.
- 11.2.2 The Training Officer (Battalion Chief) who works overtime for sick leave coverage, vacation coverage, vacancy coverage, call-back pay or incident deployment. The hourly rate will be converted from the 40-hour workweek to the 56-hour workweek and overtime shall be paid an hourly rate of time and one-half per the 56-hour workweek.
- 11.3 The Training Officer (Battalion Chief) as of May 11, 2022, will be the ONLY Non-Exempt management position to receive the Management Incentive Pay (MIP) covered under Item 6.4 of this management resolution.

12. NOTARIZATION COMPENSATION

12.1 The Manager of Finance & Administration with notarization qualification to be compensated \$100.00 per pay period.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Rancho Santa Fe Fire Protection District on September 21, 2022 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

James H. Ashcraft
President

ATTEST:

Alicea Caccavo
Clerk of the Board

STAFF REPORT

NO. 22-18

TO: BOARD OF DIRECTORS
DAVE MCQUEAD, FIRE CHIEF

FROM: ALICEA CACCAVO, MANAGER OF FINANCE & ADMINISTRATION

SUBJECT: INVESTMENT POLICY

DATE: SEPTEMBER 15, 2022



RECOMMENDATION:

Staff recommends the Board of Directors approve the revised Board Policy No. 3035 for Investment of District Funds.

BACKGROUND:

Previous policy was approved at the regularly scheduled board meeting on February 10, 2016.

CURRENT:

The Finance department has been reviewing board policies that relate to finance for relevancy as they pertain to 2022 rules and standards. Staff worked with the California Special Districts Association to revise the current Investment Policy. The primary modifications were to ensure that the District is not limited to certain investment options.

Rancho Santa Fe Fire Protection District

POLICY HANDBOOK

SERIES 3000: OPERATIONAL
POLICY TITLE: Investment of District Funds
POLICY NUMBER: 3035

3035.1 INTRODUCTION

The Rancho Santa Fe Fire Protection District Board of Directors (the "Board") through the exercises of its powers pursuant to California Health & Safety Code section 13861(b), 13898 and Government Code section 53600 et seq., has established a fund of miscellaneous revenue and excess funds (the Fund), which is intended to ensure ongoing operations, preserve working capital and provide for contingencies of the Rancho Santa Fe Fire Protection District (the "District"). Under the Board's guidance, and in accordance with the California Government Code, the following sets forth the District's investment policy.

3035.2 STANDARDS OF CARE

The Board is the Trustee of the Fund, and therefore the Directors are fiduciaries subject to the prudent investor standard and Government Code Section 53600.3. When investing, reinvesting, purchasing, acquiring, exchanging, selling and managing the Fund, the Board shall act with care, skill prudence and diligence to meet the aims of the investment objectives listed in this Policy.

3035.3 INVESTMENT OBJECTIVES

The Fund shall be prudently invested in order to earn a reasonable return. The specific objectives for the Fund are ranked in order of importance:

- Safety of Capital – The preservation of capital is the primary objective. Each transaction shall seek to ensure that capital losses are avoided, whether from securities default or erosion of market value.
- Liquidity – As a second objective, the fund should remain sufficiently flexible to ensure the District meets all operating requirements, which may be reasonably anticipated.
- Maximum Rate of Return – As the third objective, the fund should be designed to attain a rate of return through budgetary and economic cycles, consistent with the risk limitations, prudent investment principles and cash flow characteristics identified herein.

3035.4 POLICY

The Legislature of the State of California has declared that the deposit and investment of public funds by local officials and local agencies is an issue of statewide concern (California Government Code Sections (CGC §) 53600.6 AND 53630.1).

The Board of Directors of the District may invest surplus monies not required for the immediate necessities of the District in accordance with the provisions of CGC §5921 and §53601 et seq.

APPROVED: Board of Directors held September 21, 2022

ATTEST:


Alicea Caccavo, Board Clerk

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It shall be the policy of the District to invest funds in a manner, which will provide the highest investment return with the maximum security while meeting the daily cash flows demands of the District and conforming to al statutes governing the investment of District funds.

3035.5 PROCEDURES

3035.5.1 Scope

This investment policy applies to all financial assets held by the District. These funds are accounted for in the District's annual district audit report.

Funds not included in the policy are retirement funds managed by the Public Employees' Retirement System and deferred compensation funds.

3035.5.2 Prudence

The standard of prudence to be used by investment officials shall be the prudent investor standard (CGC §53600.3) and shall be applied in the context of managing an overall portfolio. Investment officers action in accordance with written procedures and this investment policy and exercising due diligence shall be relieved of person responsibility for an individual's security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and the liquidity and the sale of securities are carried out in accordance with the terms of this policy.

Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.

3035.5.3 Investment Objectives

The primary objectives (as specified in CGC §53600.5), in priority order, of investment activities shall be:

a. Safety

Safety of principal is the foremost objective of the investment program. Investments of the District shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall portfolio. To obtain this objective, diversification is required in order that potential losses on individual securities do not exceed the income generated from the remainder of the portfolio. This objective, then, is to mitigate both credit risk and the interest rate risk.

b. Credit Risk

Credit Risk is the risk of loss due to the failure of the security issuer or backer. Credit risk may be mitigated by:

1. Limiting investment to the safest types of securities;
2. Pre-qualifying the financial institution, broker/dealers, intermediaries, and advisors with which an entity will do business; and
3. Diversifying the investment portfolio so that potential losses on individual securities will be minimized.

c. Interest Rate Risk

Interest rate risk is the risk that the market value of securities in the portfolio will fall due to changes in general interest rates. Interest rate risk may be mitigated by:

1. Structuring the investment portfolio so that securities mature to meet cash requirements for ongoing operations, thereby avoiding the need to sell securities on the open market prior to maturity, and
2. By investing operating funds primarily in shorter-term securities.

d. Liquidity

APPROVED: Board of Directors held September 21, 2022

ATTEST:


Alicea Caccavo, Board Clerk

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General Fund¶

Capital Reserves Fund¶

Uncompensated Leave Fund¶

Capital Equipment Fund¶

Capital Facilities Replacement Fund¶

Any new fund created by the District, unless specifically exempted by statute or local procedure.

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The investment portfolio shall remain sufficiently liquid to meet all operating requirements that may be reasonably anticipated. This is accomplished by structuring the portfolio so that securities mature concurrent with cash needs to meet anticipated demands. Furthermore, since not all possible cash demands can be anticipated, the portfolio should consist largely of securities with active secondary or resale markets.

e. Yield

The investment portfolio shall be designed with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the investment risk constraints and cash flow characteristics of the portfolio, and the laws of the State of California. Return on investment is of least importance compared to the safety and liquidity objectives described above. The core of investments are limited to relatively low risk securities in anticipation of earning a fair return relative to the risk being assumed.

Securities shall be sold prior to maturity with the following exceptions:

1. A declining credit security could be sold early to minimize loss of principal;
2. A security swap would improve the quality, yield, or target duration in the portfolio; or
3. Liquidity needs of the portfolio require that the security be sold.

3035.5.4 Delegation of Authority

Authority to manage the investment program is derived from the CGC §53600.1, et seq. Responsibility for the operation of the investment program is hereby delegated to the then duly appointed Fire Chief of District ("Fire Chief") (or his or her designee), who shall carry out established written procedures and internal controls for the operation of the investment program consistent with this investment policy. Procedures should include reference to safekeeping, PSA repurchase agreements, wire transfer agreements, collateral/depository agreements and banking services contracts, as appropriate. No person may engage in an investment transaction except as provided under the terms of this policy and the procedures established by the Fire Chief (or designee). The Fire Chief (or designee) shall be responsible for all transaction undertaken and shall establish a system of controls to regulate the activities of subordinate officials. Under the provisions of CGC §53600.3, the Fire Chief (or designee) is a trustee and a fiduciary subject to the prudent investor standard.

3035.5.5 Ethics and Conflicts of Interest

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with the proper execution and management of the investment program, or that could impair their ability to make impartial decision. Employees and investment officials shall disclose any material interest in financial institution with which they conduct business. They shall further disclose any personal financial/investment positions that could be related to the performance of the investment portfolio. Employees and officers shall refrain from undertaking personal investment transaction with the same individual with whom business is conducted on behalf of their entity.

3035.5.6 Authorized and Suitable Investments

Authorized investments shall match the general categories by the California Code sections 53601, et. seq.

3035.5.7 Collateralization

All certificates of deposits must be collateralized by U.S. Treasury Obligations. Collateral must be held by a third party trustee and valued on a monthly basis. The percentage of collateralization on repurchase and reverse repurchase agreements will adhere to the amount required by CC §53601 (l) (2).

3035.5.8 Diversification

APPROVED: Board of Directors held September 21, 2022

ATTEST:


Alicea Caccavo, Board Clerk

Deleted: and 53635, et. seq., as applicable. In accordance with Government Codes section 53684 and 16429.1, authorized investments shall include the San Diego County Treasurer Pooled Investment Funds established by the County Treasurer-Tax Collector for the benefit of local agencies up to the maximum permitted by law, and the Local Agency Investment Fund (LAIF), subject to the respective rules and regulations of each. No investment shall be made in any security with a maturity great than five years, unless the Board has granted express authority to make that investment. As the California Government Code is amended, this policy shall likewise become amended with necessity of specific Board action. ¶

¶
Also, see CGC §53601 for a detailed summary of the limitations and special conditions that apply to each of the listed investment securities. CGC §53601 is attached and included by reference in this investment policy.¶

¶
Prohibited Investment. Under the provisions of CGC §53601.6 and §53631.5, the District shall not invest any funds in inverse floaters, range notes, interest-only strips derived from mortgage pools or any investment that may result in a zero interest accrual if held to maturity.

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The District will diversify its investments by security type and institution; it is the policy of the District to diversify its investment portfolio. Assets shall be diversified to eliminate the risk of loss resulting from over concentration of assets in a specific maturity, a specific issuer or a specific class of securities. Diversification strategies shall be determined and revised periodically. In establishing specific diversification strategies, the following general policies and constraints shall apply:

- a. Portfolio maturities shall be matched versus liabilities to avoid undue concentration in a specific maturity section.
- b. Maturities selected shall provide for stability of income and liquidity.
- c. Disbursement and payroll dates shall be covered through maturities investments, marketable U.S. Treasury bills or other cash equivalent instruments such as a money market mutual funds.

3035.5.9 Internal Controls

The Fire Chief (or designee) is responsible for establishing and maintaining an internal control structure designed to ensure that the assets of the District are protected from loss, theft or misuse. The internal control structure shall be designed to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes that (2) the cost of a control should not exceed the benefits likely to be derived; and (2) the valuation of costs and benefits requires estimates and judgments by management.

Accordingly, the Fire Chief (or designee) shall establish a process for annual independent review by an external auditor to assure compliance with policies and procedures. The internal controls shall address the following points:

- a. Control of collusion. Collusion is a situation where two or more employees are working in conjunction to defraud their employer.
- b. Separation of transaction authority from accounting and record keeping. By separating the person who authorized or performs the transaction from the people who record or otherwise account for the transaction, a separation of duties is achieved.
- c. Clear delegation of authority to subordinate staff members. Subordinate staff members must have a clear understanding of their authority and responsibilities to avoid improper actions. Clear delegation of authority also preserves the internal control structure that is contingent on the various staff positions and their respective responsibilities.
- d. Written confirmation of telephone transactions for investments and wire transfers. Due to the potential for error and improprieties arising from telephone transactions, all telephone transactions should be supported by written communications and approved by the Fire Chief (or designee). Written communications may be accomplished via facsimile on letterhead stationery, and the safekeeping institution has a list of authorized signatures.
- e. Development of a wire transfer agreement with the lead bank or third party custodian. This agreement should outline the various controls, security provisions, and delineate responsibilities of each part making and receiving wire transfers.

3035.5.10 Reporting

In accordance with CGC §53646 (b) (1) and §53607, the Fire Chief (or designee) shall submit to each member of the Board of Directors a quarterly investment report.

3035.5.11. Exemption

Any investment currently held by the District that does not meet the guidelines of this policy shall be exempted from the requirements of this policy. At maturity or liquidation, such monies shall be reinvested only as provided by this policy.

APPROVED: Board of Directors held September 21, 2022

ATTEST:


Alicea Caccavo, Board Clerk

Deleted: The report shall include a complete description of the portfolio, the type of investments, the issuers, maturity dates, par values and the current market values of each component of the portfolio, including funds managed for the District by third party contracted managers. The report will also include the source of the portfolio valuation. As specified in CGC §53646(e), if funds are placed in LAIF, FDIC insured accounts and/or County Investment Pool, the foregoing report elements may be replaced by copies of the latest statements from such institutions. The report must also include a certification that (1) all investment actions executed since the last report have been made in full compliance with the Investment Policy and, (2) the District will meet its expenditure obligations for the next six months as required by CGC §53646(b)(2) and (3), respectively. The Fire Chief (or designee) shall maintain a complete and timely record of all investment transactions.

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3035.5.12 Board Review and Approval

This Investment Policy is intended for use as a guideline to assist the Board of Directors, the Fire Chief (or designee) and any committee or third part to whom day-to-day investment responsibility has been delegated. It should not be considered a legal document or contractual obligation. It is viewed as a flexible document whose purpose is to assist all parties in the management of the Fund.

This Investment Policy shall be reviewed every ~~year~~ and may be modified by resolution of the District's Board of Directors.

3035.6 References

California Government Code Section 53601

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APPROVED: Board of Directors held ~~September 21, 2022~~

ATTEST:


Alicea Caccavo, Board Clerk