

Wildfire Mitigation Advisory Committee Meeting



CAL FIRE -

Office of the State Fire Marshal







Call to Order

Welcome!

- ► If you have technical difficulties during this meeting, please contact Kara Garrett at:
 - (916) 201-5539 or Kara.Garrett@fire.ca.gov





- Acting State Fire Marshal
 - Daniel Berlant
- ▶ Department of Forestry and Fire Protection
 - Anale Burlew
- Department of Conservation
 - Keali'i Bright
- ► Office of Energy Infrastructure Safety
 - Caroline Thomas Jacobs or Sandy Cooney
- State Board of Forestry and Fire Protection
 - J. Lopez





- ► Governor's Office of Emergency Services
 - Ryan Buras or Robert Troy
- ► California Department of Insurance
 - Deborah Halberstadt or Mike Peterson
- ► Governor's Office of Planning and Research
 - Neil Matouka
- California Fire Safe Council
 - Jacy Hyde
- Insurance Institute for Business & Home Safety
 - Roy Wright





- California Fire Chiefs Association
 - Dave Winnacker or Todd Lando
- ► California Building Industry Association
 - Christopher E. Ochoa or Nick Cammarota
- ► University of California Cooperative Extension
 - Lenya N. Quinn-Davidson
- California Fire Science Consortium
 - Yana Valachovic
- Department of Housing and Community Development
 - Maziar Movassaghi or Clay Kerchof

Continued on next slide





- Rural County Representatives of California
 - Staci Heaton
- ► California Association of Resource Conservation Districts
 - Sophia Lemmo
- ► League of California Cities
 - Sean McGlynn
- California State Association of Counties
 - Catherine Freeman
- ► A representative from tribal government
 - Don Hankins



Approval of Past Meeting Minutes Motion Required

Scan the QR Code Below to Access the Complete Meeting Minutes Document!



WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING Meeting Minutes – Tuesday, March 21, 2023

Posted: April 06, 2023



Daniel Berlant, Office of the State Fire Marshal Curtis Brown, Department of Forestry and Fire Protection (Virtual)

Keali'i Bright. Department of Conservation

Caroline Thomas Jacobs, Office of Energy Infrastructure Safety

J. Lopez, State Board of Forestry and Fire Protection Robert Troy, California Office of Emergency Services

Deborah Halberstadt, California Department of Insurance (Virtual)

Beth Hotchkiss, Office of Planning and Research

Jacy Hyde, California Fire Safe Council

Michael Newman, Insurance Institute for Business & Home Safety (Virtual)

Todd Lando, California Fire Chiefs Association (Virtual)

Chris Ochoa, Representative from the Building Industry (Virtual)

Yana Valachovic, California Fire Science Consortium (Virtual)

Paul Glushku, Department of Housing and Community Development (Virtual)

Staci Heaton, Rural County Representatives of California

Sophia Lemmo, California Association of Resource Conservation Districts (Virtual)

Sean McGlynn, League of California Cities

Catherine Freeman, California State Association of Counties (Virtual)

Don Hankins, Professor, CSU Chico (Virtual)

Members Absent

Lenya N. Quinn-Davidson, University of California Cooperative Extension (Virtual)

CAL FIRE Staff in Attendance

Frank Bigelow, Assistant Deputy Director

Matt Damon, Staff Chief

Jim McDougald, Staff Chief

John Morgan, Deputy Chief

Jeff Fuentes, Division Chief Dennis O'Neil, Assistant Chief

Justine Grafton, Associate Governmental Program Analyst

Jamie Sammut, Staff Counsel

Mark Hillskotter, Battalion Chief (Virtual)

Steve Hawks, Retired Annuitant (Virtual)

Tony Andersen, Deputy Director (Virtual)

Josh Mott, Information Officer I (Virtual)

Daniel Phelps, Information Officer I (Virtual)

Kara Garrett, Associate Governmental Program Analyst

1. CALL TO ORDER 1:01 PM

A. Welcome

Daniel Berlant





Approval of Meeting Agenda Motion Required

Scan the QR Code Below to Access the Complete Meeting Agenda Document!



WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING Meeting Agenda – Tuesday, April 18, 2023, 1:00 PM – 3:00 PM Posted: April 06, 2023



Location:

CNRA Building, 715 P Street, 2nd Floor Conference Room 2-221(A) Sacramento, CA 95814

Zoom Meeting Information -

Please click the link below to join the webinar:

https://us06web.zoom.us/j/85192423489?pwd=dnZYaUhXVFliUTFmT21nMzJYYVIxQT09

Passcode: 462073

1. CALL TO ORDER

- A. Welcome
- B. Roll Call/Quorum Established
- C. Approval of Past Meeting Minutes (Motion Required)
- D. Agenda Review (Motion Required)

2. OLD BUSINESS

- A. Risk Modeling
 - Work Group Update
- B. Division Report

3. NEW BUSINESS

- A. CAL FIRE CAL FIRE Strategic Plan 2024 Development
- B. Rancho Mission Viejo Wildfire Safety measures for Today's Master Planned Communities
- 4. ROUNDTABLE
- 5. PUBLIC COMMENT

6. UPCOMING MEETING DATES FOR 2023

- A. Third Tuesday of each month starting at 1 PM and ending at 3 PM.
- a. May 16, 2023, we will be in a different conference room, same building.
 - CNRA Building, 715 P Street, 2nd Floor Conference Room 2-221 Sacramento, CA 95814

7. MEETING ADJOURNMENT (Motion Required)





Risk Modeling Advisory Workgroup Update

Draft Report on the workgroup's recommendations will be shared at the June 20th WMAC meeting.

- Contacts for the workgroup are listed below:
 - Jim McDougald
 - Jim.McDougald@fire.ca.gov
 - Celeste Jovanovic
 - Celeste.Jovanovic@fire.ca.gov

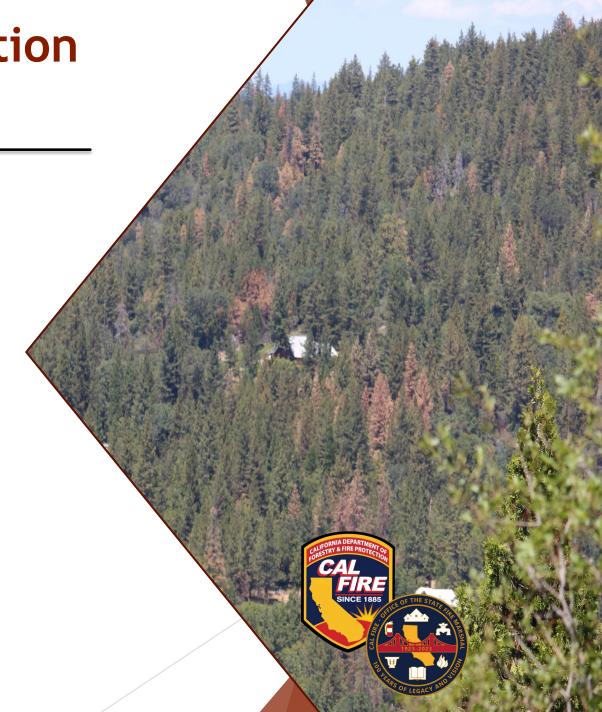




Community Wildfire Mitigation Assistance

Firewise

- ► California continues to lead the nation with 666 National Fire Protection Association (NFPA) Firewise USA Communities in good standing.
- Continuing to equate to over 25% of all NFPA Firewise USA Communities nationwide.



Wildfire Planning and Statistics

California Incident Data & Statistics Program

▶ Developing contract for three new custom developments to the CALFIRS program. This will be a joint process with EMS and their ePCR (e-patient care reporting) program and the ImageTrend vendor.

Finalizing CAL FIRE incident data for 2022 and beginning the development of the Red Book.



Wildfire Planning and Statistics

Fire Prevention Efforts (July 2022 - March 31, 2023)

- ► Fuel Reduction Projects:
 - 420 projects, 84% of the goal
- Combined Fuel Reduction:
 - 43,064 acres treated, 43.1% of the goal
 - Unit Projects 25,287 acres
 - Grant Projects 17,777 acres
- Prescribed Fire (also counted in fuel reduction):
 - 19,341 acres treated, 38.7% of the goal



Wildfire Preparedness

Defensible Space Inspections:

 Inspectors have visited more than 130,000 individual properties since July 1, 2022.

 This is nearly 65,000 more properties from the same timeframe the previous fiscal year.

► Home Hardening:

 Home Hardening personnel have been developing minimum quality standards for home retrofits.

 Home Hardening personnel have initiated a stakeholder group to develop a WUI Fire Safety Building Compliance training program.



Wildfire Preparedness

▶ Burn Permits:

- The newly launched online Burn Permit application system has received more than 13,725 requests and CAL FIRE has issued 13,277 permits as of this writing.
 - 96% Residential
 - 3% General
 - 1% Broadcast
- All existing permit holders will receive an email reminding them to renew their burn permit on May 1 each year at https://burnpermit.fire.ca.gov/





Wildfire Preparedness

- Damage Inspection:
 - Damage inspection personnel have been dispatched to three major flooding incidents during the winter storms in 2023.
 - Statewide, CAL FIRE damage inspectors have documented (as of 3/27/2023):
 - Destroyed 7
 - (7 homes, 0 Commercial, 0 Other)
 - o Damaged 594
 - (432 homes, 85 Commercial, 77 Other)
 - No Damage 474
 - Total Inspections 1,219
 - (Inaccessible 144)

Utility Wildfire Mitigation Program

- Began consultation with Office of Energy Infrastructure Safety on the Investor-Owned Utility (IOU) Wildfire Mitigation Plan reviews in the areas of risk assessment, situational awareness and forecasting, vegetation management, grid operations, and grid hardening.
- ► Participating in IOU PSPS planning and as an observer in PSPS full-scale exercises.
- ► Created a weather station web map that includes all IOU weather station networks for use for IMT Fire Behavior Analysts (FBAN).
 - Contains over 3,000 utility weather stations that link to Mesowest.



CAL FIRE Strategic Plan 2024

Presentation to: Wildfire Mitigation Advisory Committee



Phyllis Banducci, April 18, 2023

Objectives for Today

- 1. Describe the strategic planning process
- 2. Accomplishments to date
- 3. Internal feedback to date
- 4. What is CAL FIRE looking for, from **you**?
- 5. Means to gather External feedback
- 6. Surveys and web pages

Timeline:

January 2023 Brand the 2024 Strategic Plan, utilize department wide survey - develop strategy for addressing Diversity, Equity, and Inclusion (DEI)

January-March 2023 Continued Development of Internal and External Stakeholders, focus group meetings and interviews

February-June 2023 Stakeholder Meetings

July-October 2023 Working Group to Develop Goals and Objectives

October-November 2023 Compile and Design Plan

December 2023 Feedback on Draft from CAL FIRE Leadership

March 2024 Draft Plan to Publisher

Final Plan Rollout - July 2024

CAL FIRE is planning for its future and mapping what the coming years should look like and prioritize.

To do this, the Department is in the process of developing a new 2024 Strategic Plan, building on the previous strategic plan iteration from 2019, and would like to hear from YOU—our collaborators, partners, stakeholders, and many others who help us protect California's people, property and natural resources each and every day.

So Why is a Strategic Plan Needed?

The plan identifies CAL FIRE's Mission, Vision and Values.

- Our mission statement is our declaration and commitment to CAL FIRE's core purpose and focus. This is what we do!
- Our vision statement is the pronouncement of our identity and the definition of our direction. This is who we are and where we are going!
- And, our values reflect the culture of CAL FIRE and how we perform our public service duties.

Plan Organization/Structure:

Steering Committee: Chief Tyler, Chief Anthony, Chief Fulcher, Deputy Director Scott Gregory, Deputy Director Tony Andersen, and Deputy Director Windy Bouldin

Facilitator/Organizer: Phyllis Banducci

E-Team and Strategic Plan Working Group: Goal and Objective Development

Department and External stakeholders: Input and Feedback

Strategic Plan Working Group

Who

- The Strategic Plan Working Group is made up of members of the Department Leadership Team, members include: John Messina, Jackie Williams, Myra Romero, Ben Rogers, Andrew Henning, Matt Sully, Christy White, John Melvin and Jake Hess.
- A mix of staff from North and South Region, Sacramento HQ, uniform and nonuniform employees, and EEO/DEI staff.

What

- □ Review outcomes from 2019 Strategic Plan to determine if objectives that were not accomplished or are on going, need to be carried over.
- Develop external stakeholder discussion items, validate and distribute external/public survey
- Develop and validate goals and develop measurable objectives

When

Beginning April 2023

Means to Gather: External Stakeholder and Public Outreach

- External Stakeholder Survey
- ✓ Public Survey
- ✓ Focused presentations at Committee Meetings
- ✓ Focus group meetings
- ✓ Webpage Internal and External
- Comment and question email for external use
- ✓ Social Media and e-newsletters
- ✓ Brownbag/panel discussions/webinars
- ✓ Director messages

Department-wide survey:

1327 responses as of Jan 30, 2023

Average time 51 minutes

Survey

So what did CAL FIRE get out of the Survey?

Add a theme or tagline such as:

CAL FIRE Strategic Plan 2024- Transforming tomorrow

CAL FIRE Strategic Plan 2024- A blueprint for tomorrow

CAL FIRE Strategic Plan 2024- A Plan for Growth

CAL FIRE Strategic Plan 2024 - A Strategic Plan for Collaboration

CAL FIRE Strategic Plan 2024 - Planning to Protect

CAL FIRE Strategic Plan 2024 - Planning to Protect the State

CAL FIRE Strategic Plan 2024 - Protecting California in the new reality

"Ensuring that everyone can live in California without fear of wildfire or natural hazards, no matter the changes and challenges we face."

Mission:

The California Department of Forestry and Fire Protection serves and safeguards the people and protects the property and resources of California.

Vision

Existing Vision 2019:

To be the leader in providing fire prevention and protection, emergency response, and enhancement of natural resources systems.

Draft Visions for 2024:

- 1. At CAL FIRE we seek to lead with a dedicated, diverse, and inclusive workforce through partnerships to create a safer and resilient California.
- 2. To lead California with <u>dedicated and diverse people working</u> through partnerships to provide fire prevention, fire protection, all hazards emergency response, and stewardship of natural resources.
- 3. CAL FIRE is known for it's diverse workforce, as a leader in all hazards emergency management and it's stewardship of California's natural resources.
- 4. As CAL FIRE we <u>lead a dedicated workforce in a diverse and</u> <u>inclusive culture</u>, working through partnerships to create a safer California.

Values

Guiding principals are under development, the department is looking to develop values with associated behaviors.

For Example, a 2019 CAL FIRE Values is:

<u>Cooperation</u> -We care about each other and our service to others, including cooperators, governing bodies, and the public. We build and maintain cooperative relationships across the State and beyond to benefit the public we serve. We afford every employee of the Department a voice within a chain of command structure.

In the 2024 Plan the behavior associated with the value might read:

<u>Cooperation:</u> We will work and act together for common or mutual benefits, we will be agreeable in our relations with other people.

Common themes from Department-wide Survey

Hiring and retaining CAL FIRE's next generation:

Recruiting and retaining talent now and in the future

Embracing and Understanding all aspects of a Complex Organization:

Bridging the gap and telling the story of Fire, Resource Management (Forestry), Emergency Response and Unit operations as one important entity.

Reflecting California's Population, Demographics and Diverse Perspectives:

Furthering Diversity, Equity and Inclusion in Meaningful Ways and through an equity lens

Supporting our People and the Basic Employee Services they need to be successful:

Evaluating and Improving HR functions, building in Customer Service metrics

Strengthening Critical Department Infrastructure and Core Services:

Prioritizing Innovation and Technology and modernizing processes in all that we do

So what do we need from you, our key stakeholders?

Director Tylor wrote,

"Your voice is one of the most important building blocks for drafting a plan that includes a range of perspectives, experiences, and inputs. Our goal is to create a lasting document that outlines both the realistic hurdles in front of us while introducing—and putting in motion—the many solutions that you bring to the table."

Engagement and transparency are critical to ensuring CAL FIRE's 2024 Strategic Plan incorporates issues important to you and your organization and we want to capture your feedback to help inform this process.

Here is a sample of the questions you will be asked in the Survey:

- What do you believe are the top internal and external challenges that CAL FIRE will face in the next five years?
- □ Utilizing a scale of 1-5, with 1 being Very Satisfied, please rate how satisfied you are with how the Department communicates or coordinates with you and/or your organization.
- □ Utilizing a scale of 1-5, with 1 being Strongly Agree, please rate the following sentence: CAL FIRE engages with external stakeholders and communities and responds to their needs according to its capacity.

Thank you for your time and be looking for the CAL FIRE Survey, email to you soon!

Contact: Phyllis.Banducci@fire.ca.gov

916-516-0779



Mitigation of Wildfire Risks

CalFire Wildfire Mitigation Advisory Committee April 18, 2023

Mike Balsamo & Jay Bullock

Outline:

- 1. Who is Rancho Mission Viejo?
- 2. Wildfire Risks for Homes located within the WUI?
- 3. What is Rancho Mission Viejo Doing to Mitigate Wildfire Risk?





Ranching and Farming

Since 1882 – 200,000+ acres
Cattle, lemons, avocados & Dryland Farming

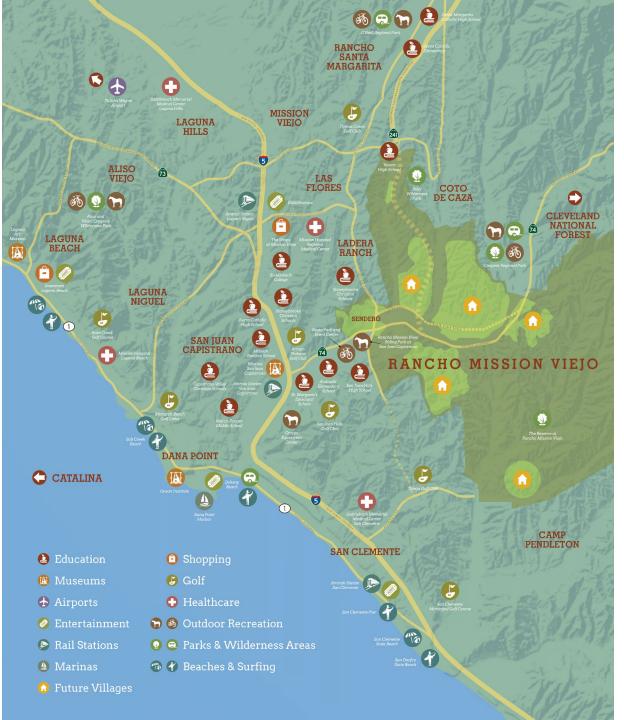




Master Planned Communities

Since 1960s, home to approx. 180,000 residents of Mission Viejo, Rancho Santa Margarita Las Flores, Ladera Ranch, and ...







- 22,683 acres
- 75% Permanent Open Space
- 25% Development
 - 14,000 homes
 - 5.2M SF nonresidential
- Master Developer
 - Entitlements
 - Infrastructure
 - Grading
 - Land Sales to Builders
 - Retain Assets
 - Manage Reserve







Village of Esencia

- Opened 2015
- 2,750 homes
- 1,000 "Age Qualified" homes
- 262 apartments











Village of Rienda

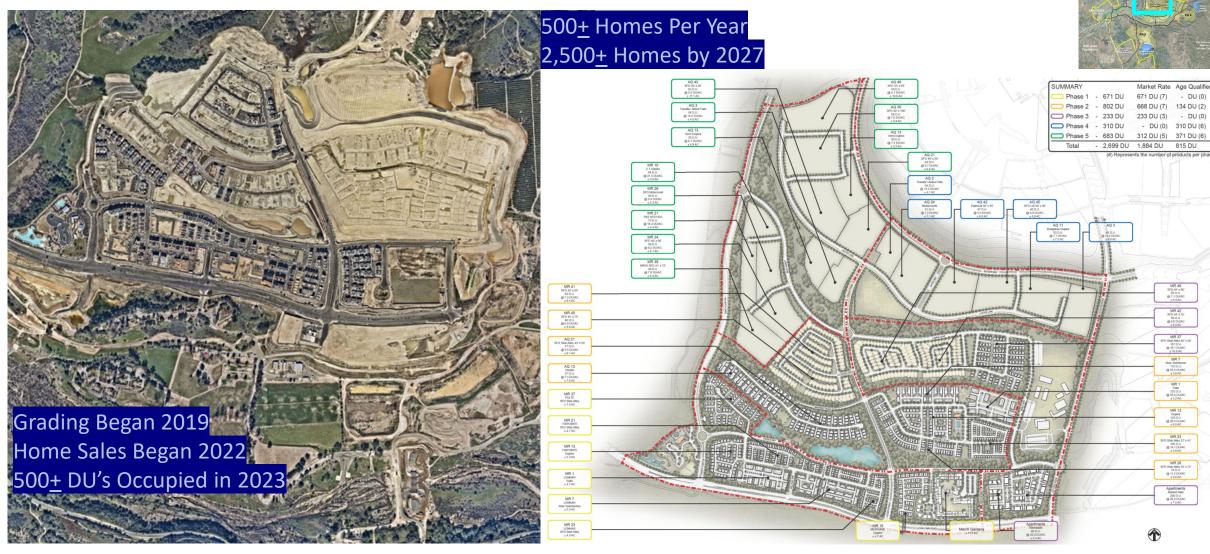
- Opened 2022
- 500+ homes so far
- 200 "Age Qualified" homes
- **High Density, Attainable**







Rancho Mission Viejo, Planning Area 3 – Rienda Village



Current Aerial Photo, February 2023

Rienda Village Master Plan: 2019-2027



Outline:

- 1. Who is Rancho Mission Viejo?
- 2. Wildfire Risks for Homes located within the WUI?
- 3. What is Rancho Mission Viejo Doing to Mitigate Wildfire Risk?

Wildfire Hazards More Impactful on Older Homes

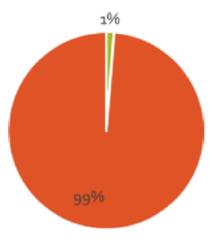
- 2010 is roughly the time when California Building Code Chapter 7A and fuel modification have been required by nearly all fire departments.
- Based on State Fire Marshal incident data from the ten worst wildlife incidents since 2017, only 1% of the destroyed or damaged homes were built after 2010.
- The evidence demonstrates that California's wildland fire problem comes from the existing home stock built before 2010, often due to homes surrounded by overgrown and unmanaged vegetation, served by narrow roads and inadequate water supplies.

It was extremely rare to see more than two new homes on the same street destroyed or affected by fire



Camp Fire

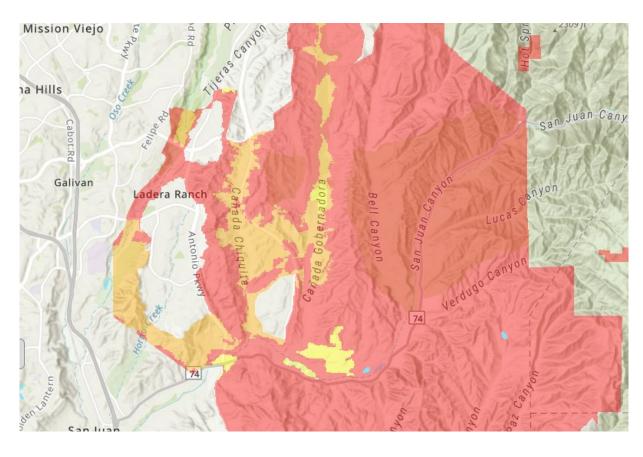
Total Structures Affected or Destroyed: 10,582

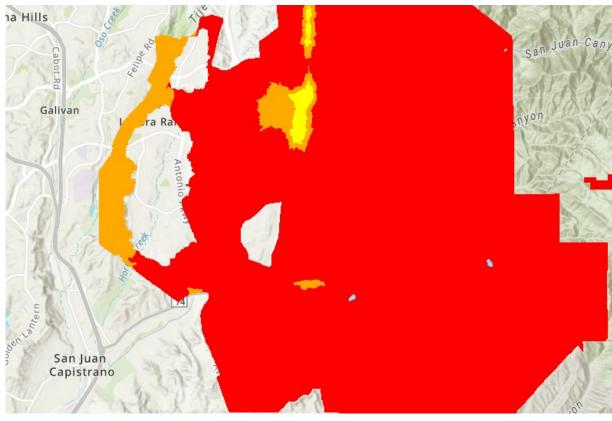


- Homes Built After 2010: 136
- Homes Built Before 2010: 10,446



Draft Update to Fire Hazard Severity Zone Maps for Rancho Mission Viejo Area





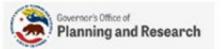
Outline:

- 1. Who is Rancho Mission Viejo?
- 2. Wildfire Risks for Homes located within the WUI?
- 3. What is Rancho Mission Viejo Doing to Mitigate Wildfire Risk?

Safer from Wildfires











Protecting the structure



- · Class-A Fire rated roof
- Maintain a 5 foot ember-resistant zone around a home (including fencing within 5 feet)
- Noncombustible 6 inches at the bottom of exterior walls
- Ember and fire-resistant vents (See Low-Cost Retrofit List, and Chapter 7A)
- Upgraded windows (Double paned or added shutters)
- Enclosed eaves

2 Protecting the immediate surroundings



- Cleared vegetation and debris from under decks
- Removal of combustible sheds and other outbuildings from the immediate surroundings of the home, to at least a distance of 30 feet
- Defensible space compliance (including trimming trees, removal of brush and debris from yard, and compliance with state law and local ordinances)

Working together as a community



- A community should have clearly defined boundary and a local risk assessment in consultation with the local fire district or state fire agency; an identified evacuation route, cleared of vegetative overgrowth, and evacuation plan contingencies; clear funding sources to implement community mitigation activities and meet clear risk reduction goals; and integrated and up-to-date local planning documents pertinent to community wildfire risk.
- Current examples include Fire Risk Reduction Communities designated by the Board of Forestry and Fire Protection and Firewise USA communities in good standing.

Rancho Mission Viejo Compliance with Safer from Wildfires

List of Recommended Measures:	Compliance with State Code Requirements	Included as part of RMV's Wildfire Mitigation Planning
Protecting the Structure:		
Class-A Fire rated roof	CBC Chapter 7A	RPFPP Section B.7
Maintain 5-ft ember resistant zone around home (incl. fence)	CBC Chapter 49	
Noncombustible 6 inches at the bottom of exterior walls	New?	New?
Ember and fire-resistant vents	CBC Chapter 7A	RPFPP Section B.7
Upgraded windows (Double paned or added shutters)	CBC Chapter 7A	RPFPP Section B.7
Enclosed eaves	CBC Chapter 7A	RPFPP Section B.7
Protecting the Immediate Surroundings:		
Cleared vegetation and debris from under decks	CBC Chapter 7A	
No combustible outbuildings within 30 feet of home	CBC Chapter 7A	
Defensible space compliance with State law or local ordinances	CBC Chapter 7A	
"Safer from Wildfires" Community Mitigation Elements:		
Local Risk Assessment in consultation with local/state fire agencies		Firewise USA Cert.
Identified evacuation route, cleared of vegetative overgrowth		RPFPP Sect. B.1.d
Clear funding sources to implement community mitigation		Ranch MMC
Up-to-date Community Wildfire Risk Action Plan		Firewise USA Cert. & RPFPP
Fire Risk Reduction Community Designation (RMV listing in 2024?)	PRC 4290.1	
Firewise USA Community in good standing, as certified by NFPA		2023 Certifications
Additional RMV Community Mitigation Elements:		
Fuel Modification on Community Perimeter		RPFPP Section C
Interior Common Area Slope Tree & Shrub Spacing Restrictions		RPFPP Section C.8
Annual Inspection and Maintenance of Fuel Mod & Interior Slopes		Rancho MMC
Restricted Plant Species (for all portions of community, incl. each		RPFPP Sect. B.8,
home), Undesirable Plant Species and Tree & Shrub Spacing		Attach's 16 & 17
Construction of Fire Stations		OCFA Agreement

Habitat Reserve Wildland Fire Management Plan (WFMP)

- Approved by U.S. Fish & Wildlife Service
- Developed in conjunction with OCFA
- Includes 3 components:
 - Long-term Strategic Wildland Fire Protection Plan
 - Short-term Strategic Fire Suppression Plan
 - Prescribed Fire Program

The WFMP is part of the Reserve Adaptive Management & Monitoring Program which is designed to "Maximize the likelihood of the persistence of a native dominated vegetation mosaic in the Reserve."



South County Fire Watch

- Volunteer lookouts
- Trained by OCFA
- Equipment supplied by Reserve
- Deployed during Red Flag events
- Locations in and around the community
- Max 4-hour shifts
- Sign-up at RMVReserve.org

Every eye on the land can help prevent ignitions





Ranch Plan Fire Protection Program

RMV has worked closely with the OC Fire Authority and the County of Orange on a three-party agreement that specifies:

- Construction Code Requirements
- Fuel Modification Zones based on sophisticated research and fire behavior modeling
- Landscaping and Plant Species Restrictions
- Emergency Vehicle Access
- Detailed Review at Multiple Levels of Planning,
 Continually Updated per State Codes

The Fire Protection Program must be updated periodically as new State requirements are implemented. The updated document agreed to by RMV, the County and OCFA in March of 2022 is the 3rd Edition.

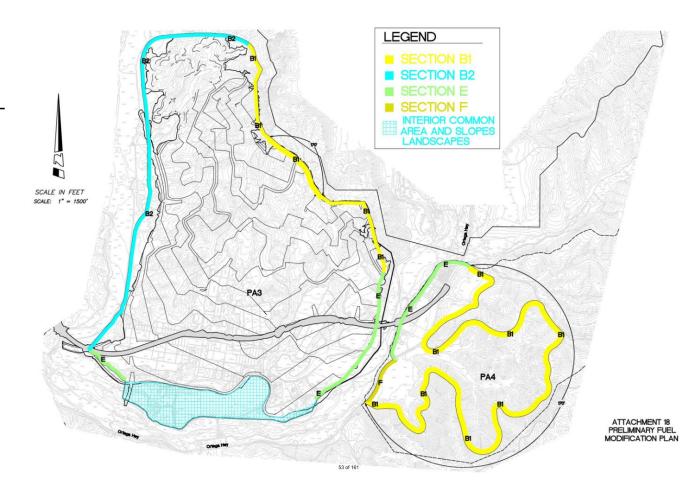
Ranch Plan Fire Protection Program Preliminary Fuel Modification (Community Wide)

EXHIBIT 2

RANCH PLAN FIRE PROTECTION PROGRAM

SECTION A. CONDITIONS OF APPROVAL

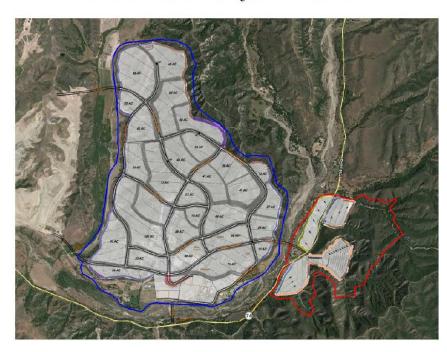
- 1. MASTER AREA PLAN
 - a. A Ranch Plan Planned Community-wide Preliminary Fuel Modification Plan (per the RPFPP Fuel Modification Sections Attachments 18 through 33) has been approved for the peripheral edge of all Ranch Plan development Planning Areas.
 - b. FUEL MODIFICATION: Prior to approval of each Master Area Plan the applicant shall provide the Director, OC Development Services with a clearance from OCFA indicating their review and approval of a Preliminary Fuel Modification Plan that either confirms or modifies the assumed 110-foot-wide fuel modification zones in the approved Community-wide Preliminary Fuel Modification Plan (per RPFPP Section C.1). If adaptive management tools for controlling the growth of vegetation surrounding Ranch Plan development are not successful and vegetation transitions from Fuel Model 2 (FM2) to Fuel Model 4 (FM4), as classified by the BEHAVE Fire Behavior Fuel Modeling System, OCFA may opt to require Fuel Modification zone widths based on the BEHAVE model anticipated flame lengths plus 20-feet for defensible space.



Ranch Plan Fire Protection Program Conceptual Fuel Modification **Area Plan Level**

Fire Behavior Analysis Report **Fuel Modification Design Validation**

Rancho Mission Viejo PA 3 and PA 4



Prepared for:

RMV Community Development, LLC County of Orange, Planning & Development Services Orange County Fire Authority

Prepared By:



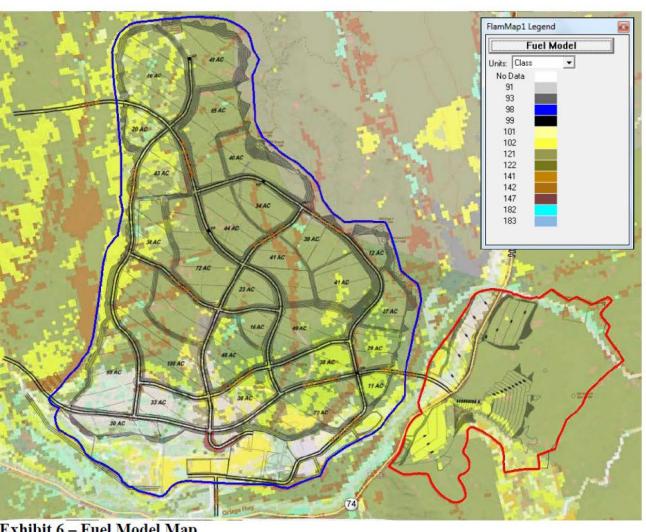
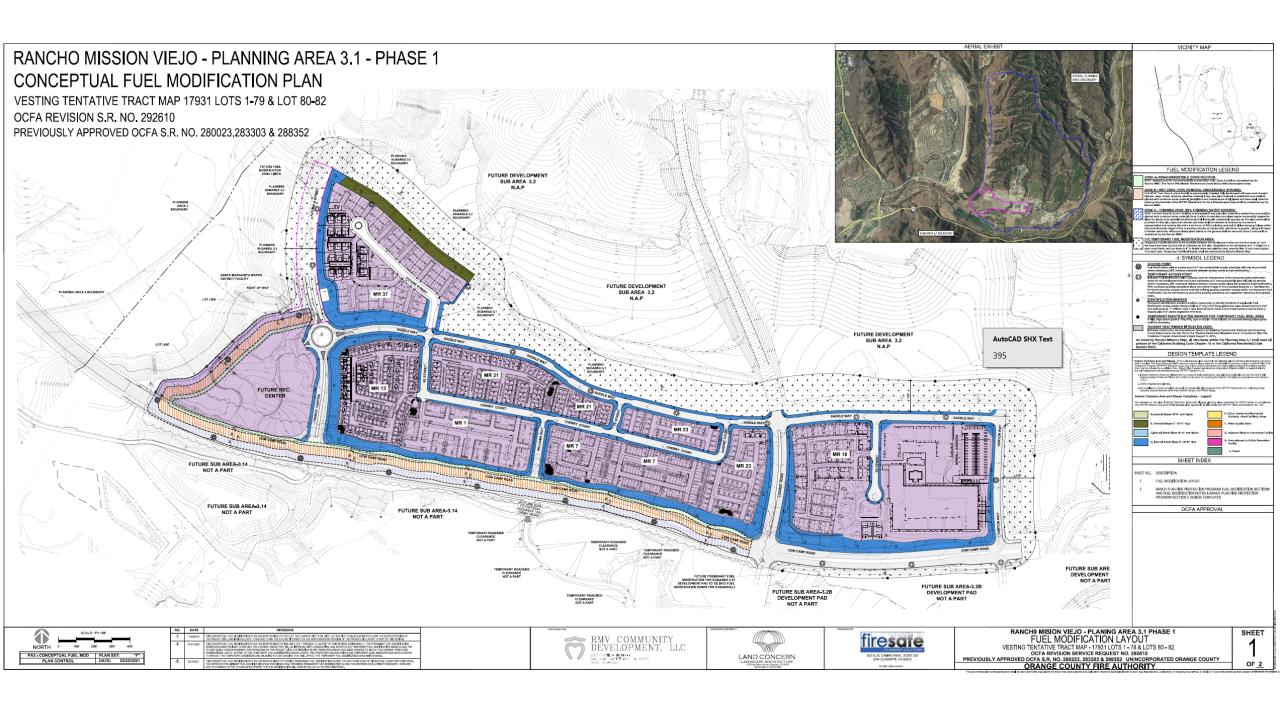
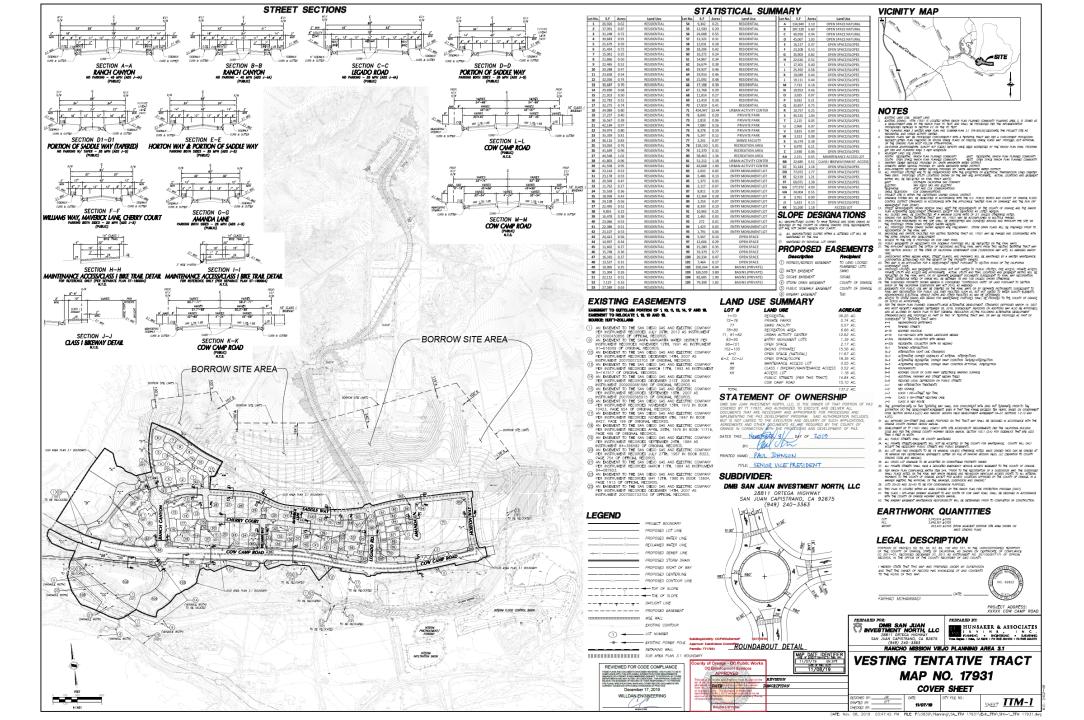


Exhibit 6 - Fuel Model Map

Note: Appendix B provides enlarged views of this graphic by specific area





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Ranch Plan Fire Protection Program Interim Fuel Modification (mass grading)

Tentative Tract Map Review – PRECISE Fuel Mod Plan Confirmation of Area Plan Conceptual Plan

A minimum of 170' of Temporary Fuel Modification is provided for each Sub-Area along the adjoining future improvements. The majority of the Temporary Fuel Modification is over mass grading, however, in some instances maintenance occurs over native vegetation that falls within the development boundary.



170' TEMPORARY FUEL MODIFICATION AREA:

Temporary Fuel Modification to be provided for Sub-Areas 3.2 and portions of 3.1 along the future Sub area 3.3 and 3.14 as indicated on this plan, any vegetation within the graded areas shall be maintained at 2' in height on a year round basis, and cut down to 4" in height twice per calendar year, once by May 15 and once August 15 of each year. Any hydroseed mix utilized for temporary erosion control shall be provided with a temporary irrigation system for the duration of the hydroseed erosion control measures. The hydroseed mix and location shall be reviewed and approved as part of an Precise Fuel Modification Plan. Natural vegetation beyond the graded areas shall be thinned a minimum of 50% and meet the Attachment 16 spacing requirements provided on Sheet 2. The Temporary Fuel Modification shall be maintained by Rancho Mission Viejo.

Ranch Plan Fire Protection Program

Defensible Space, Ingress/Egress

Perimeter Roadways:

Esencia Fuel Modification Program utilizes perimeter roadways for 80% of village boundary.

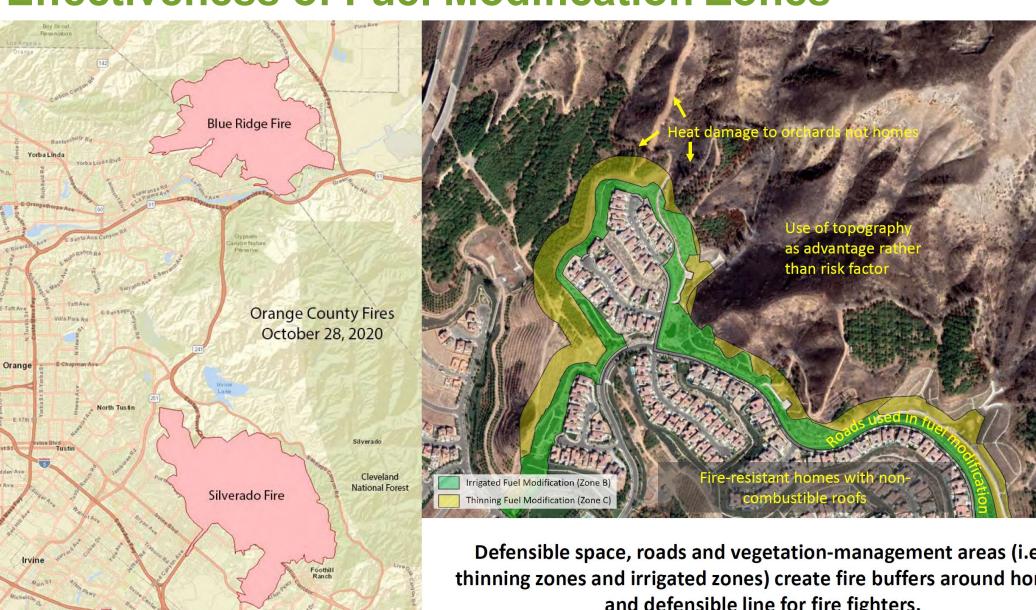
NW interface is a community trail and sports park buffer residential interface.

Ingress/Egress:

Each Planning Area (residential village) has multiple arterial highway access for emergency vehicle ingress/egress.



Effectiveness of Fuel Modification Zones



Defensible space, roads and vegetation-management areas (i.e., thinning zones and irrigated zones) create fire buffers around homes and defensible line for fire fighters.



Other Wildfire Risk Mitigations Implemented by Rancho Mission Viejo:

- Perpetual funding, maintenance and enforcement through an HOA
- Appropriate and reliable fire access and evacuation routes
- Adequate water supplies
- Residential fire sprinklers
- Undergrounded project utilities
- Community design and siting to minimize fire risks (e.g., slope setbacks)
- New fire stations, fire equipment and/or funding for firefighters to provide for a rapid initial fire attack where it did not previously exist.

Ranch Plan Fire Protection Program

Interior Landscaped Areas (HOA and Homeowner Maintained)

UNDESIRABLE AND INVASIVE PLANT SPECIES

CERTAIN PLANTS ARE CONSIDERED TO BE UNDESIRABLE AND INVASIVE DUE TO THEIR PHYSICAL OR CHEMICAL CHARACTERISTICS. PHYSICAL PROPERTIES THAT WOULD CONTRIBUTE TO HIGH FLAMMABILITY INCLUDE LARGE AMOUNTS OF DEAD MATERIAL RETAINED WITHIN THE PLANT, ROUGH OR PEELING BARK, AND THE PRODUCTION OF COPIOUS AMOUNTS OF LITTER. CHEMICAL PROPERTIES INCLUDE THE PRESENCE OF VOLATILE SUBSTANCES SUCH AS OILS, RESINS, WAX, AND PITCH. CERTAIN NATIVE PLANTS ARE NOTORIOUS FOR CONTAINING THESE VOLATILE SUBSTANCES.

PLANTS WITH THESE CHARACTERISTICS SHALL NOT BE PLANTED IN ANY FUEL MODIFICATION ZONES OR ANYWHERE WITHIN THE AREA COVERED BY ALTERNATE METHODS & MATERIALS AGREEMENTS (SEE SECTION 4). SHOULD THESE SPECIES ALREADY EXIST WITHIN THESE AREAS, THEY SHALL BE REMOVED BECAUSE OF THEIR INVASIVENESS OR POTENTIAL THREAT THEY POSE TO STRUCTURES.

FIRE PRONE PLANT SPECIES (MANDATORY REMOVAL)

BOTANICAL NAME

ADENOSTOMA FASCICULATUM ADENOSTOMA SPARSIFOLIUM

ANTHEMIX COTULA

ARTEMISIA CALIFORNICA

BRASSICA NIGRA BRASSICA RAPA

CARDARIA DRABA

CIRSIUM VULGARE
CONYZA CANADENSIS

CORTADERIA SELLOANA

CYNARA CARDUNCULUS ERIOGONUM FASCICULATUM

HETEROTHACA GRANDIFLORA LACTUCA SERRIOLA

NICOTIANA BIGELEVIL NICOTIANA GLAUCA

NICOTIANA GLAUCA

SALSOLA AUSTRALIS

SALVIA MELLIFERA

SILYBUM MARIANUM RICINUS COMMUNIS

THOUSE COMM

URTICA URENS

ORNAMENTALS CORTADERIA SELLOANA CUPRESSUS SP.

EUCALYPTUS SP. JUNIPERUS SP. PINUS SP.

ARECACEAE (ALL PALM SP)

COMMON NAME

WILD TURNIP, YELLOW MUSTARD

RED SHANKS

MAYWEED

CALIFORNIA SAGEBRUSH

BLACK MUSTARD

CHAMISE

NOARY CRESS, PERENNIAL PEPPERGRASS

WILD ARTICHOKE HORSEWEED

PAMPAS GRASS

ARTICHOKE THISTLE COMMON BUCKWHEAT

TELEGRAPH PLANT PRICKLY LETTUCE

INDIAN TOBACCO

TREE TOBACCO

RUSSIAN THISTLE/TUMBLEWEED

BLACK SAGE

MILK THISTLE CASTOR BEAN PLANT

BURNING NEEDLE

PAMPAS GRASS CYPRESS EUCALYPTUS JUNIPER PINE Beyond the Undesirable Plant List for Fuel Modification Zones from the RPFPP Attachment 17, all interior landscapes areas, maintained by the HOA and any Private Homeowner, are required to be devoid of specific fire prone plant material

ADDITIONAL NOTE FOR RANCH PLAN COMMUNITIES

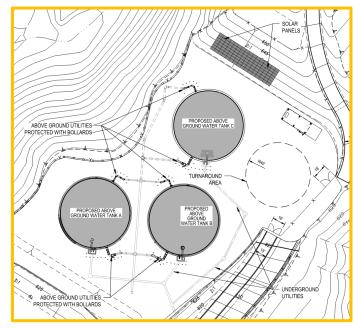
INTERIOR LANDSCAPING: ALL NEW LANDSCAPING PLANS PROPOSED WITHIN THE RANCH PLAN PLANNED COMMUNITY (DEVELOPMENT AREAS AND FUEL MODIFICATION ZONES) SHALL BE DEVOID OF EUCALYPTUS, JUNIPER, CEDAR, CYPRESS, ACACIA (ACACIA REDOLENS - DESERT CARPET IS ALLOWED TO BE INSTALLED BY THE MASTER DEVELOPER ONLY AND IS NOT PERMITTED WITHIN MERCHANT BUILDER SLOPES), PINE TREES, ARTEMISIA CALIFORNIA - CALIFORNIA SAGEBRUSH, ADENOSTOMA FASCICULATUM - CHAMISE, ERIOGONUM FASCICULATUM - CALIFORNIA BUCKWHEAT, SALVIA MELLIFERA - BLACK SAGE AND SALVIA APIANA - WHITE SAGE (SALVIA LEUCANTHA - MEXICAN BUSH SAGE IS ALLOWED WITHIN THE DEVELOPMENT AREAS OUTSIDE THE FUEL MODIFICATION ZONES, WHILE SALVIA GREGGI SPECIES - AUTUMN SAGE IS ALLOWED WITHIN THE DEVELOPMENT AREAS AND THE FUEL MODIFICATION ZONES). ALL PALM TREES SHALL BE RESTRICTED THROUGHOUT THE ENTIRE RANCH PLAN PLANNED COMMUNITY, EXCEPT A LIMITED USE OF PALMS IS ACCEPTABLE ON A CASE-BY-CASE BASIS WITHIN THE IMMEDIATE VICINITY COMMUNITY RECREATION CENTER POOLS. THIS LANDSCAPE PALETTE RESTRICTION HAS SHALL BEEN RECORDED AS PART OF ALL APPLICABLE CC&R DOCUMENTS AND APPLIES TO ALL INTERIOR ZONES

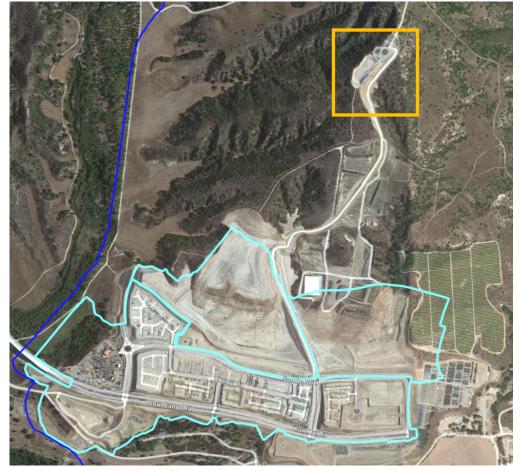
RanchPlan Fire Protection Program

Water Supply

Hydrant & Sprinkler Flows

To ensure water availability to the existing Rienda Sub-Areas, Interim Water Tanks have been constructed and will be replaced with the permeant water tanks as the balance of the community is developed. The interim and future permanent system are gravity fed throughout, pumps downstream from the water tanks are not required.





Ranch Plan Fire Protection Program

Requirements per State Law		Required by OCFA / RMV Ranch Plan Fire Protection Program (RPFPP), Regardless of FHSZ Mapping
Building Code Chapter 7A	WUI Building Standards	
Residential Code R337	WUI Building Standards	
Public Resources Code Section 4291	Defensible Space Clearance	
Civil Code Section 1102.6f	Natural hazard disclosure as part of a real estate transfer	
Board of Forestry Regulations	Minimum Fire Safe Regulations	
Senate Bill 571	Evactuation Planning	
Assembly Bill 38	Defensible Space Real Estate Compliance	With Exception of Zero Zone Around Each Dwelling
Public Resources Code Section 4290.5	Existing subdivision review	Secondary Evacuation Req'd ≥150 Dwellings
Fire Code Chapter 49	Tree & Shrub Planting Limitations	As modified by OCFA per RPFPP "Templates"

Questions?



Roundtable / Public Comment

- ► Roundtable
- ► Topic Suggestions for Next Meetings
 - https://forms.gle/Wefg6Ynrn UGYS8ua9
- ► Public Comment





Next Meeting Information

May 16, 2023

CNRA Building, 2-221(A-C) Conference Room 715 P St, Sacramento, CA

- CAL FIRE Office of the State Fire Marshal:
 - Utility Fire Mitigation Program
 - Jeff Fuentes
- Pacific Gas and Electric (PG&E):
 - Progress and Outreach Efforts Overview
 - Andy Abranches
- Community Wildfire Planning Center:
 - Land Use Planner Training Overview
 - CWPP Best Practices toolkit
 - Molly Mowery





Meeting Adjournment (Motion Required)

Copies of the written materials have been posted on the Office of the State Fire Marshal web site at https://osfm.fire.ca.gov/.

For information concerning the Advisory Committee Meeting, please contact Kara Garrett at (916) 201-5539 or Kara.Garrett@fire.ca.gov.

NOTE: Items designated for information are appropriate for committee action if the committee chooses to act. The agenda order is tentative and subject to change. Agenda items may be taken out of order to facilitate the effective transaction of business. The Committee may not discuss or act on any matter raised during the public forum period, except to decide whether to place the matter on the notice and agenda of a future committee meeting.

