



# CAL FIRE

## Office of the State Fire Marshal

### Wildfire Mitigation Advisory Committee Meeting

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July 19, 2022

# 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](mailto:Kara.Garrett@fire.ca.gov)



# Roll Call / Quorum Established

- The State Fire Marshal
  - **Mike Richwine**
- Department of Forestry and Fire Protection
  - **Curtis Brown**
- 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
  - **Clay Kerchof**
- California Fire Safe Council
  - **Jessica Martinez**

(Continued on Next Slide)



# Roll Call / Quorum Established

- 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**
- Rural County Representatives of California
  - **Staci Heaton**
- California Association of Resource Conservation Districts
  - **Karen Buhr**
- League of California Cities
  - **Sean McGlynn**
- California State Association of Counties
  - **Ed Valenzuela or Catherine Freeman**
- A representative from tribal government
  - **Don Hankins**



# Approval of Past Meeting Minutes – Motion Required

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## WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING

*Meeting Minutes – Tuesday, June 21, 2022*

*Posted 7/6/2022*

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### Committee Members Present

Curtis Brown, Department of Forestry and Fire Protection  
Daniel Berlant, Office of the State Fire Marshal  
Caroline Thomas Jacobs, Office of Energy Infrastructure Safety  
J. Lopez, California Board of Forestry and Fire Protection  
Robert Troy and Ryan Buras, Governor's Office of Emergency Services  
Deborah Halberstadt, California Department of Insurance (Virtual)  
Clay Kerchof, Governor's Office of Planning and Research (Virtual)  
Jessica Martinez, California Fire Safe Council (Virtual)  
Roy Wright, Insurance Institute for Business & Home Safety  
Ray Gayk and Chris Tubbs, California Fire Chiefs Association (Virtual)  
Lenya N. Quinn-Davidson, University of California Cooperative Extension (Virtual)  
Maziar Movassaghi, Department of Housing and Community Development  
Staci Heaton, Rural County Representatives of California  
Sean McGlynn, League of California Cities  
Catherine Freeman, California State Association of Counties  
Karen Buhr, California Association of Resource Conservation Districts  
Don Hankins, Professor, CSU Chico (Virtual)

### Members Absent

Department of Conservation  
Representative from the Building Industry  
California Fire Science Consortium

### CAL FIRE Staff in Attendance

Steve Hawks, Acting Assistant Deputy Director  
Frank Bigelow, Staff Chief  
Jim McDougald, Staff Chief  
Matt Damon, Deputy Chief, Land Use Planning Program (Virtual)  
Jamie Lydersen, FRAP Senior Environmental Scientist (Virtual)  
Carmel Bamhart, Assistant Chief - Subdivision Review (Virtual)  
Jeff Fuentes, Assistant Chief - Utility Wildfire Mitigation (Virtual)  
Kara Garrett, Associate Governmental Program Analyst

## 1. CALL TO ORDER 1:00 PM

### A. Welcome

The meeting was called to order at 1:00 PM by Daniel Berlant.

### B. Roll Call – Kara Garrett

Daniel Berlant



# Approval of Past Meeting Minutes – Motion Required

Quorum Established with seventeen committee members present, six of which attending virtually.

- C. Approval of Past Meeting Minutes (**Motion Required**) – Daniel Berlant
- a. Caroline Thomas Jacobs mentioned two corrections to the May 17 meeting minutes. The two corrections are as follows: on page three, amending B – 2 to read “this workgroup is developing a utility risk model that will inform the other group.” Second amendment is on page seven to correct “utilize” to “utilities”.

<b>Motion:</b>	J. Lopez moved to accept the meeting agenda as amended, Don Hankins seconded the motion.
<b>Action:</b>	All members voted to unanimously to approve the motion.

- D. Agenda Review (**Motion Required**) – Daniel Berlant

<b>Motion:</b>	Caroline Thomas Jacobs moved to accept the meeting agenda as amended, Curtis Brown seconded the motion.
<b>Action:</b>	All members voted to unanimously to approve the motion.

## 2. OLD BUSINESS

Daniel Berlant / Steve Hawks

### A. Risk Modeling

- a. Draft Charter Updates
  - i. Please submit appointment letters if you have not already done so by June 24<sup>th</sup>.
  - ii. Current Draft is on the Wildfire Mitigation Advisory Committee Website at <https://osfm.fire.ca.gov/boards-committees/wildfire-mitigation-advisory-committee/>

### B. Division Reports

- a. Wildfire Risk Reduction Programs:
  - i. Defensible Space Program:
    1. 80+ thousand DSpace inspections complete 17 thousand ahead of last year due to increased funding and permanent staffing.
  - ii. Home Hardening Program:
    1. New Home Hardening Assistant Chief Dennis O’Neil.
  - iii. Damage Inspection Program:
    1. First Damage Inspector Manager (DINM) class was taught June 1st. More classes to come in the near future.
    2. New Defensible Space Assistant Chief Heather McCulley.
  - iv. Burn Permit Program:
    1. Online burn permit application and web interface out to select Units for user acceptance testing. Plan is to roll this out Jan 1, 2023. CAL FIRE has also partnered with the California Air Resources Board (CARB) on this.
      - a. Question, J. Lopez Board of Forestry –





# Approval of Past Meeting Minutes – Motion Required

1. Look forward to seeing the process moving forward.
- iii. Subdivision Review:
  1. Numerous cities and counties in progress now, recent activity in San Diego County, amongst others, will be presented in the coming months.
- iv. Firewise USA:
  1. 525 communities in good standing, more than 250 in progress.
  2. Staff are fielding lots of inquiries statewide.
  3. Staff are engaged in numerous other ongoing activities including: OSFM Statutes and Regulations class, OPR Best Practices Inventory, training for local planners, and FHSZ map update.
- b. Wildfire Prevention Grants:
  - i. On June 1<sup>st</sup>, we announced that 144 applications for nearly \$118 million in Wildfire Prevention Grants have been awarded for Fiscal Year (FY) 2021/22.
  - ii. The CAL FIRE Grants Management Unit will begin to work with the awardees to establish the grant agreements.

## C. Fire Hazard Severity Zones

- a. Adoption Process:
  - SRA
    - i. Peer Review (Scientific & Operational Pilots) - NOW
    - ii. Unit / Contract County Review – July
    - iii. Public Hearings in Each County – Fall
    - iv. Adoption through Regulation – January 1, 2023
    - v. Question: Roy Wright
      1. As this goes out to public comment, the map areas of high hazard can only grow, does that mean that nothing can get smaller?
        - a. Yes, local jurisdictions can expand the zones within Local Responsibility Area (LRA) that they determine to be an equal fire hazard. There will also be a validation period to allow local jurisdictions to make updates to the inputs based on changes to land use and vegetation type.
      2. On the State Responsibility Area (SRA) side, what changes can be made as a result of the public comment?
        - a. The input data would be the most accurate and our assumption is that the public comments would be more narrative based versus something that would scientifically change the model.
      3. If someone proposed a scientific reason, will that change then be made?
        - a. Unit field review would have already occurred in the SRA map. The SRA map will probably not have the same amount of change.
    - vi. Question: Caroline Thomas Jacobs
      1. If things go according to plan, the idea is that they would be effective January 1?
        - a. Yes. That is the goal.

LRA





# Approval of Past Meeting Minutes – Motion Required

- i. Draft maps to be presented to local agency and receives local validation – Starting in Fall
- ii. Final draft submitted to governing body of the local agency
- iii. City / County has 30 days to set public comment and 120 to adopt through ordinance
- iv. Local jurisdiction can add area not identified by CAL FIRE
- b. Timeline:
  - i. Current maps were developed in 2007-2010.
  - ii. Over the past several years staff have been building the new science model.
  - iii. Summer 2022 – Adopt map in SRA into regulation.
  - iv. Fall 2022 – Begin LRA remap
  - v. Question – Roy Wright, under statute, what if political figures choose to not vote yes to adopt this?
    - 1. Recent legislation sets timelines in the Government Code for local agencies to adopt the maps and then provide a copy of their ordinance to the Board of Forestry and Fire Protection within 120 days.
  - vi. Question – Sean McGlynn, is there a clock on the draft being sent out?
    - 1. Yes, the maps will have a phased roll out, but the plan is to provide a 30(ish) day validation period to the local agency.
    - 2. Sean raised workload concerns for local government and requested expanding communication when getting these out to get cities and counties.
  - vii. Question – Don Hankins, what efforts will there be to engage tribal review for the zones?
    - 1. It is up to the cities and counties to adopt. CAL FIRE staff will work to schedule an opportunity to meet with Don and others to discuss communicating the maps with tribal entities.

### 3. NEW BUSINESS

Daniel Berlant / Steve Hawks

- A. Wildfire Prevention Grants Program – Daniel Berlant / Steve Hawks
  - a. Funds fire prevention projects in and near fire threatened communities that focuses on increasing the protection of people, structures, and communities (Public Resources Code 4124.5)
  - b. Benefit to defined "Low-Income" and "Disadvantaged Communities"
  - c. Qualifying Project Types
    - i. Hazardous Fuel Reduction
    - ii. Wildfire Prevention Planning
    - iii. Wildfire Prevention Education
  - d. Eligible Entities
    - i. State Agencies
    - ii. Federal Agencies
    - iii. Native American Tribes
    - iv. Joint Powers Authority if entities involved are eligible applicants
    - v. Local agencies, including:
      - 1. City, county, or city and county
      - 2. Fire protection district



# Approval of Past Meeting Minutes – Motion Required

3. Community services districts
4. Water districts
5. Resource conservation districts
6. Special districts
- vi. Certified Community Conservation Corps
- vii. Fire Safe Councils and other nonprofit organizations with a 501(c)3 designation
- e. Grant Funding Availability
  - i. FY 2020-21 \$123 million + \$14.8 million
  - ii. FY 2021-22 \$118 million
  - iii. FY 2022-23 \$115 million in Governor's Proposed Budget
  - iv. FY 2023-24 \$117 million in Governor's Proposed Budget
  - v. Funding through FY 2028-29 (\$165 million to CAL FIRE)
- f. Grant Application Process
  - i. Application
  - ii. Scope of Work
  - iii. Budget Sheet
  - iv. Articles of Incorporation (AOI)
  - v. Board Resolution
  - vi. Various state forms
  - vii. Mapping component using online Esri webmap
- g. Open solicitation process is 2 months
- h. Review, Announcement, and Agreement Process
  - i. Grants Management Unit: 2 weeks
  - ii. Units/Contract Counties: 4 weeks
  - iii. Region: 4 weeks
  - iv. Sacramento: 1 week
  - v. Executive Review: 1 day
  - vi. Award Announcement: June 1, 2022
  - vii. Grant Agreements: 4 months
    1. Question – Caroline Thomas Jacobs, what is the marketing campaign to get it out to all of the constituents?
      1. CAL FIRE hosts workshops, at least two meetings that are open to the public and also do a media release through the department and the CA fire safe council puts it on their website. We also have an email distribution list through the CAL FIRE website that you can sign up for at <https://www.fire.ca.gov/grants/> and specifically at <https://fire.us8.list-manage.com/subscribe?u=1eab3f5545f6a6e4d33c94dcb&id=c330a569ca>
- i. Review, Announcement, and Agreement Process
  - i. Align with CAL FIRE Unit/Contract County Fire Plans
  - ii. Coordination with other grant opportunities through
    1. California Fire Safe Council Grants
    2. Cal OES FEMA Hazard Mitigation Grant Program
    3. Housing and Community Development Federal HUD Grants



# Approval of Past Meeting Minutes – Motion Required

- 4. Others?
- iii. Contact us at [FPGrants@fire.ca.gov](mailto:FPGrants@fire.ca.gov)
  - 1. Northern Region [CNRgrants@fire.ca.gov](mailto:CNRgrants@fire.ca.gov)
  - 2. Southern Region [SouthernRegionGrantsProgram@fire.ca.gov](mailto:SouthernRegionGrantsProgram@fire.ca.gov)
    - 1. Question – Robert Troy, what is our definition of disadvantaged communities?
      - 1. It is CARB that defines that for us. There is mapping available to see where you are for this.
    - 2. Question – Catherine Freeman, for the people who are not making the cut, how do you work with them and help them? In the past CAL FIRE has worked with organizations that do not qualify but there are opportunities for them to partner with the other organizations that did qualify. Find the groups that are doing work in their local area and ask for help. We also look at how it ties to the local fire plan. If a stakeholder shows that they are already working with the unit, it is likely that the project will rank higher.
- B. IBHS Wildfire Prepared Home Presentation – Roy Wright / Anne Cope  
An overview of the new IBHS Prepared Home was presented.
- C. CDI Safer from Wildfires Presentation – Deborah Halberstadt  
An overview of the Department of Insurance's Safer from Wildfires Program was presented.

## 4. ROUNDTABLE

Daniel Berlant

- A. There is a list of upcoming presentations for upcoming meetings.
  - a. Upcoming proposed topics, dates TBD:
    - i. Wildfire and Forest Resilience Task Force Update
    - ii. BOF 0–5-foot Zone 0 Regulations
    - iii. Department of Conservation's Regional Forest and Fire Capacity Program
    - iv. CAL FIRE/CalOES Home Hardening Retrofit Financial Assistance Program
    - v. Utility Wildfire Mitigation Plans – Caroline Thomas Jacobs Energy Safety (Possibly August)

Topic Suggestions for Next Meetings –

Link to Google Forms Suggestion Portal: <https://forms.gle/Wefq6YnmUGYS8ua9>

## 5. PUBLIC COMMENT

Daniel Berlant

- A. No public comment.

## 6. UPCOMING MEETING DATES FOR 2022

Daniel Berlant

- A. Third Tuesday of each month starting at 1 PM and ending at 3 PM.
- B. Next meeting is July 19, 2022 in this room.

## 7. MEETING ADJOURNED 2:59 PM

Daniel Berlant



# Agenda Review – Motion Required

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**WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING**  
**Meeting Agenda – Tuesday, July 19, 2022, 1:00 PM – 3:00 PM**  
*Posted July 8, 2022*

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Location:  
CNRA Building, 715 P Street, 2<sup>nd</sup> Floor Conference Room 2-221  
Sacramento, CA 95814

Zoom Meeting Information –

Please click the link below to join the webinar:  
<https://us06web.zoom.us/j/85192423489?pwd=dnZYaUhXVFliUTFmT2lnMzJYYVlxQT09>  
Passcode: 462073

Committee Member Locations (Virtual):

- Roy Wright – Insurance Institute for Business & Home Safety
  - 5335 Richburg Road, Richburg, SC 29729
- Deborah Halberstadt – California Department of Insurance
  - 2721 Javier Place, Davis CA 95618

- 1. CALL TO ORDER** **Mike Richwine**
  - A. Welcome
  - B. Roll Call/Quorum Established
  - C. Approval of Past Meeting Minutes (*Motion Required*)
  - D. Agenda Review (*Motion Required*)
- 2. OLD BUSINESS** **Daniel Berlant**
  - A. Risk Modeling
    - 1) Work Group Update
  - B. Division Report
- 3. NEW BUSINESS** **Daniel Berlant**
  - A. CAL FIRE / CalOES Presentation on the California Wildfire Mitigation Program
  - B. Department of Conservation Presentation on the Regional Forest and Fire Capacity Program
- 4. ROUNDTABLE** **Mike Richwine**
- 5. PUBLIC COMMENT**
- 6. UPCOMING MEETING DATES FOR 2022**
  - A. Third Tuesday of each month starting at 1 PM and ending at 3 PM.
  - B. Next meeting is August 16, 2022
- 7. MEETING ADJOURNMENT (*Motion Required*)** **Mike Richwine**



# Risk Modeling Advisory Workgroup Update

- Risk Modeling Advisory Workgroup Update
  - All members have been alerted and welcomed to the group via email.
  - Pending one more nomination and appointment.
  - Planning on meeting for the first time in August.
  - During the first meeting the group will finalize the draft charter for review.

# Risk Modeling Advisory Workgroup Update

## RISK MODELING ADVISORY WORKGROUP ROSTER

Revision Date

7/18/2022



Member	Title / Representation	Alternate Designee
Jim McDougald	The State Fire Marshal, or the State Fire Marshal's designee.	
Carlos Camarena	The Director of Emergency Services, or the director's designee.	
Deborah Halberstadt	The Insurance Commissioner, or the Insurance Commissioner's designee.	
Neil Matouka	The Director of State Planning and Research, or the director's designee.	Clay Kerchof
Paul Glushku	The Director of Housing and Community Development, or the director's designee.	
Max Moritz and Nancy Watkins (Appointed by Department)	Two representatives from insurers and insurance research organizations that have appropriate expertise in wildfire risk modeling, such as exposure measurement, risk modeling, and actuarial expertise, to be appointed by the department.	
Dave Winnacker and Robert Marshall (Appointed by Department)	Two representatives, one a fire chief, or the fire chief's designee, and the other a fire prevention officer, to be appointed by the department in consultation with the California Fire Chiefs Association and the Fire Districts Association of California.	

Anthony Powers	A representative from the California Professional Firefighters, to be appointed by the department.	
Yana Valachovic (Appointed by Department)	A representative from the California Fire Science Consortium, to be appointed by the department.	
Chris Ochoa (Appointed by Department)	A representative from the California Building Industry Association, to be appointed by the department.	
Dore Bietz and TBD – To Be Appointed by Department	Two representatives from a local government, with one from a rural city or county, to be appointed by the department.	



# Division Report

## Community Wildfire Preparedness and Mitigation

- **Wildfire Planning and Risk Reduction**
  - Wildfire Risk Reduction
  - Wildfire Planning and Statistics
- **Community Assistance**
  - Land Use Planning
  - Wildfire Prevention Grants

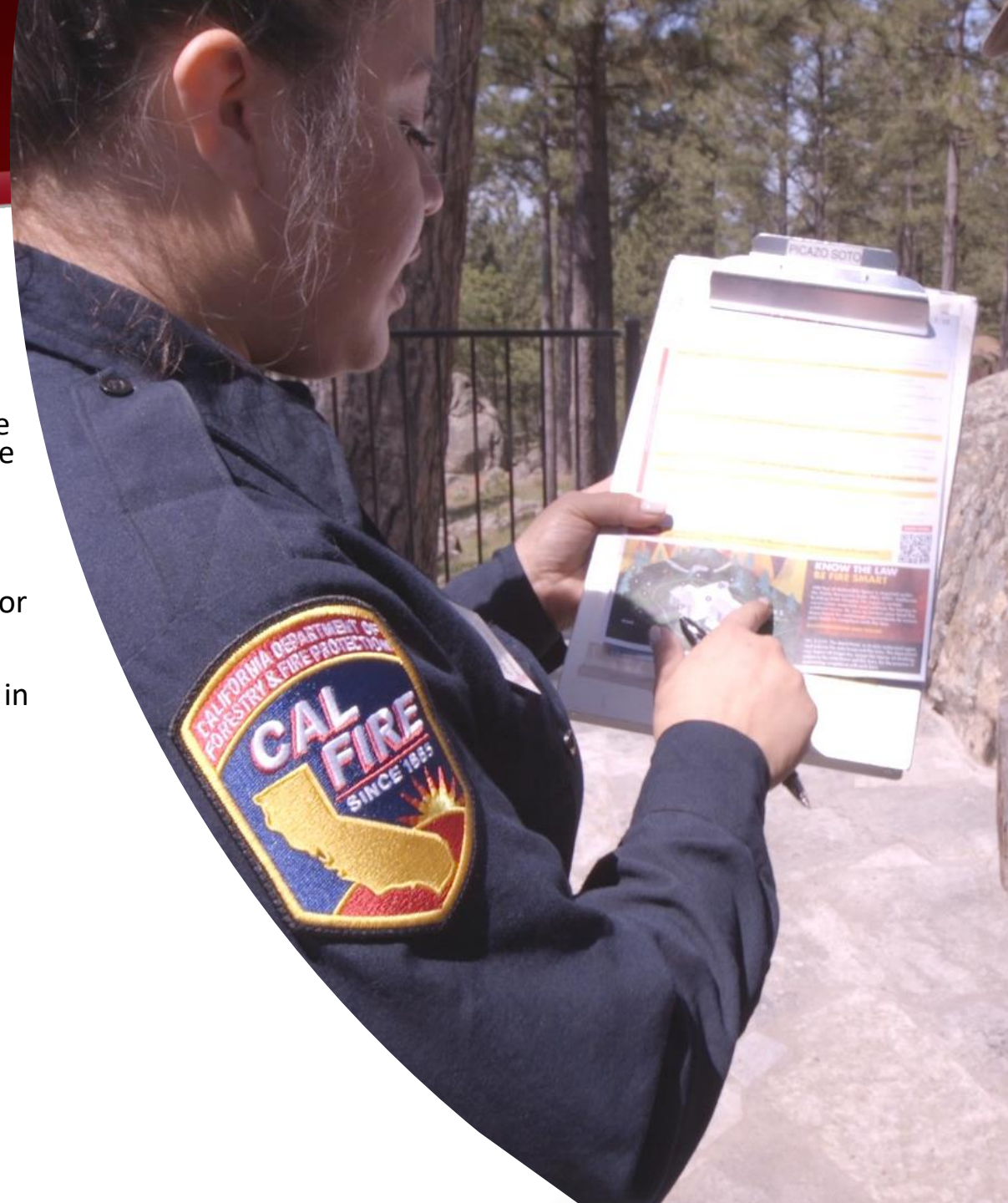


# Division Report

## Wildfire Preparedness Update

### - Defensible Space:

- 2022 to-date we have completed more than 86,000 Defensible Space inspections. This is up by more than 15,000 for the same timeframe last year.
- Delivery of the statewide defensible space curriculum will continue in 2023. The feedback from our pilot classes was positive. Dates will be published soon to begin filling classes for 2023.
- More counties are interested in completing AB 38 inspections in their jurisdictions. We are encouraging them to complete the Defensible Space inspections and share the data as well. This will allow us to get more inspection information in our Database and let our inspectors work in other areas that are needed.
- AB 38 inspections survey shows positive reviews of the program. Inspectors strive to meet the demand from the real estate industry across the State, but the Units are having trouble filling all allocated positions due to living wage challenges.





# Division Report

## Wildfire Preparedness Update

### - Home Hardening:

- CAL FIRE kicked off its Joint Powers Authority with the California Governor's Office of Emergency Services (Cal OES) to provide governance for a home hardening retrofit financial assistance program, known as the California Wildfire Mitigation Program.
- The Program has developed a statewide home hardening initiative to retrofit, harden, and create defensible space for homes at high risk to wildfires, focusing on high socially-vulnerable communities and providing financial assistance for low- and moderate-income households.



# Division Report

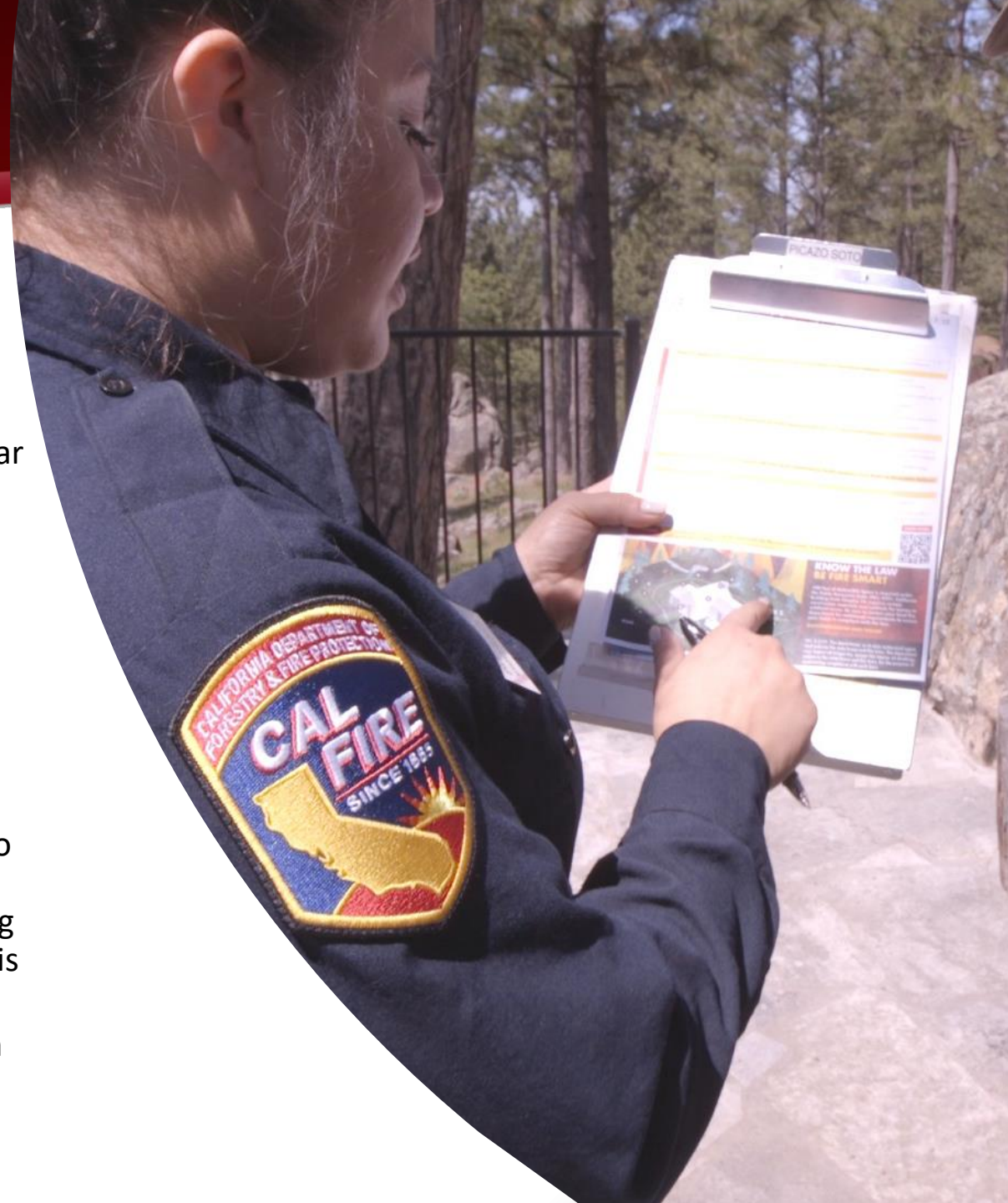
## Wildfire Preparedness Update

### - Damage Inspection:

- 33 single family residence destroyed and 16 damaged so far in 2022.
- 5 DINS classes and 1 DINM course have been delivered.
- 3 DINS and 1 DINM class are scheduled for 2023 but more are likely to be requested.

### - Burn Permits:

- The Burn Permit application testing has begun.
- We have 15 participants from the field helping our team to find any potential issues in the system. We have started with the web facing application first. This includes, creating the burn permit request, then an approved/Denied email is sent to the requestor.
- This feedback from the field personnel will allow our team to find any missing dialogue or content.



# Division Report

## Utility Wildfire Mitigation Update

- Continue to assist the Office of Energy Infrastructure Safety (OEIS) in the review of the 2022 Wildfire Mitigation Plans reviews for the Investor-Owned Utilities.
- Updates include:
  - 5/19 Draft Decision was released for public comment for SDGE.
  - 5/26 Revision notice Issued for PG&E's WMP for 13 critical issues, must submit revised WMP 30-60 days.
  - 6/2 Draft Decision was released for public comment for SCE.
  - 6/15 Rejection of Liberty and PacifiCorp's 2022 WMP for incompleteness, must resubmit in 30 days.
  - Continued review of Bear Valley and Independent Transmission Operators WMP's.

(Continued on Next Slide)



# Division Report

## Utility Wildfire Mitigation Update

- Work continues on the evaluation of several types of electrical equipment requesting exemptions from Public Resources Code (PRC) 4292, pole clearance.
- Participating in IOU PSPS Exercises in preparation for any 2022 PSPS events.



# Division Report

## Wildfire Planning and Statistics Update

### - Pre-Fire Planning

- Fire Hazard Severity Zones – Pilot unit and scientific review was completed in May. FRAP is making small changes to the model and some modifications to the model inputs. The draft statewide SRA map has been created and will be released on August 1st to begin the CAL FIRE Unit and Contract County review process. The CAL FIRE Units and Contract Counties will have until September 2nd to complete the review process.
- Region has completed the Unit Fire Plan review and the plans are now with the Pre-Fire Planning program for final review before posting our internet website.
- Development of the CalMAPPER mobile application continues.



# Division Report

## Wildfire Planning and Statistics Update

- **California Incident Data & Statistics**
  - CalStats staff have completed the draft of the 2021 Redbook.
  - The Redbook will now go through the review and approval process before being posted on the department's website.
  - Mike Morlan started in his new position as Deputy of the CalStats program on July 11<sup>th</sup>.



# Division Report

## Land Use Planning Update

- **Land Use Planning/ Safety Elements:**
  - Still numerous Safety Element Assessments (SEA) moving forward statewide, numerous SEAs likely to be presented at July meeting.
  - Working on filling some staffing vacancies in Sacramento.
- **Fire Safe Regulations:**
  - Look forward to the see the process moving forward.
  - Program staff assisting Board staff with public comments.

(Continued on Next Slide)



# Division Report

## Land Use Planning Update

### - Subdivision Review:

- Numerous Cities and Counties in the review progress now.

### - Firewise USA:

- 529 communities in good standing, more than 250 in progress.
- Staff are fielding lots of inquiries statewide.

Staff are engaged in numerous other ongoing activities including: OSFM Statutes and Regulations Class, OPR Best Practices Inventory, Training for Local Planners and Fire Hazard Severity Zones.





# Division Report

## Wildfire Prevention Grants Update

- The CAL FIRE Grants Management Unit continues to work with successful grantees from the June 1<sup>st</sup> announcement to execute the grant agreements.
- GMU will begin to work with the awardees to establish the grant agreements.
- Next grant solicitation period timeline is being work on and it anticipated to open in September or October.





*Cal* OES  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES



# California Wildfire Mitigation Program

Home Hardening Initiative

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Wildfire Advisory Committee Public Meeting

July 19, 2022

# Program Vision

Develop a robust program model that empowers and enables California communities to create successful wildfire home hardening programs

Community hardening approach

Targeting low income and socially vulnerable homeowners

Locally-led programs with state support

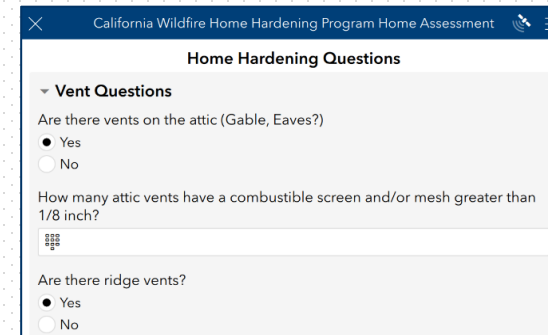


# Program Framework

- Program Implementation Guidance and Doctrine
  - Local Implementation Development and Process Guidance
  - Home Hardening Treatment Measures
- Local Project Management System
  - Application Intake to Closeout
- Outreach Toolkit
  - Internal and External Products
- Homeowner Application
  - Paper; Online Portal; English + Spanish
- Home Assessment Mobile App
  - Outputs property specific treatments actions
- Home Hardening HMGP Subapplication Guide
  - Simplified Guidance and Plug and Play Format



Homeowner Application Portal,  
launches 11/01/21



Home Assessment Mobile App

# Defensible Space

Compliant defensible space will be completed prior to retrofit actions in zones 1 and 2

Local ordinances for defensible space requirements will be part of the program

0–5-foot zone: Best management practices (awaiting Board of Forestry regulation) or local ordinances

- Flammable vegetation
- Combustibles
- Attachments to the structure (fences, retaining walls)



# Retrofits

Retrofit guide being developed cooperatively with CAL FIRE, NIST, IBHS, and subject matter experts

Hardening for embers and flame (includes, direct flame impingement and radiant, convective and conductive heat)

- Retrofits account for high, medium and low-density communities
- Retrofits to align with current Chapter 7A and additional recommendations beyond Chapter 7A



# Wildland-Urban Intermix (low to medium density)

**Primary objective is to harden for embers**

- Replace wood shingle roofs
- Upgrade roof and crawl space vents
- Install double-pane windows
- Move or harden auxiliary buildings or structures and other combustible items



# Wildland-Urban Intermix (high density)

**Primary objective is to harden for direct flame**

**Ember hardening required**

**Additional hardening actions to residence**

- Metal window screens
- Replace windows (both panes tempered glass)
- Replace siding
- Wood fences and connections to residences
- Harden auxiliary buildings or structures and other combustible items.





# Costs to Homeowner

**To achieve mitigation benefits, we must encourage participation of as many homeowners in the demonstration areas as possible**

A sliding scale will allow all homeowners in target neighborhoods to participate to achieve maximum resiliency benefits without allocating substantial state funds to non-LMI participants.

Participation limits ensure lower income neighborhoods are prioritized.

## Cost Scale by Income Bracket

This table shows the distribution and source of funding based on household income.

Income bracket	Limits on Participation	Homeowner contribution	State contribution	HMGP contribution
<120% AMI	<30%	0%	25% (up to \$10k)	75% (up to \$30k)
120-200% AMI		10%	15% (up to \$6k)	75% (up to \$30k)
>200% AMI		25%	0%	75% (up to \$30k)

\*AMI – Area Median Income

# Demonstration Community Selection

State-wide analysis at the parcel and census-tract level using data on fire risk, climate change risk factors, and social vulnerability.

Only considered census tracts in the Fire Hazard Severity Zones.

Project areas within these counties were selected with input of local representatives based on local expertise but were required to be areas that are at high risk for wildfire, and with high proportions of socially vulnerable residents.

Prioritized pilot locations that ranged in physical and social characteristics to ensure that the program would be flexible for implementation in diverse communities:

- Vegetation type
- Housing density
- Region
- Type of implementing entity
- Inputs required for the Benefit Costs Analysis for HMGP, such as home values, replacement costs, and burn recurrence intervals.

# Community Selection Analysis

Categories	
Environmental Threat	Parcels in Moderate, High, or Very High Fire Hazard Severity Zone (FHSZ)
	Fire threat probability
	Fire threat under climate change
Socioeconomic Risk	Residents in poverty
	Residents over age 65
	Residents with a disability
	Residents with limited English
	Residents with no vehicle



# San Diego County (Demonstration Site: Dulzura)

- Local Lead: San Diego County - SD Fire Protection District
- Total project cost: \$23.5M (\$5.9M state share)
- Year 1 Goal: 10-25 homes
  - 18 homeowner applications received
  - 9 home assessments completed
- Expansion areas: Campo and Potrero
- Status: Conducting EHP surveys for NEPA review prior to FEMA obligation of funds

# Shasta County



**Demonstration  
community**



**Expansion  
communities**

All selected  
communities are  
**Low-to-Moderate  
Income** and are in  
**High or Very High  
Fire Hazard Severity  
Zones**



# Shasta County

## (Demonstration Site: Whitmore)

- Local Lead: Shasta County Fire Safe Council (in partnership with the Western Shasta Resource Conservation District)
- Total project cost: \$23.5M (\$5.9M state share)
- Year 1 Goal: 10-25 homes
  - 37 homeowner applications received
  - 24 home assessments completed
- Expansion areas: Lakehead and Oak Run
- Status: Conducting EHP surveys for NEPA review prior to FEMA obligation of funds

# Lake County

 **Demonstration community**

All selected communities are **Low-to-Moderate Income** and are in **High or Very High Fire Hazard Severity Zones**



**Lake County**



AB-38 Home Hardening



# Lake County

## (Demonstration Site: Kelseyville Riviera)

- Local Lead: North Coast Opportunities (with strong partnership from Lake County Board of Supervisors)
- Total project cost: \$22.2M (\$5.5M state share)
- Year 1 Goal: 10-25 homes
- Capturing an interested homeowners list; will open applications closer to FEMA approval date.
  - 28 homeowners on contact list for launch
- Status: Conducting EHP surveys for NEPA review prior to FEMA obligation of funds

# Questions/Comments



California  
**Department of  
Conservation**  
Division Name

# Regional Forest and Fire Capacity Program

Keali'i Bright  
Division Director  
Division of Land Resource Protection  
(916) 324-0850  
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# GOAL - Build high-capacity partners to:

- ✓ Develop partner networks
- ✓ Build local partner capacity
- ✓ Plan coordinated forest and fire priorities
- ✓ Develop projects for implementation
- ✓ Lead coordination and implementation
- ✓ Develop single-point regional partners

# What do RFFC grants fund?

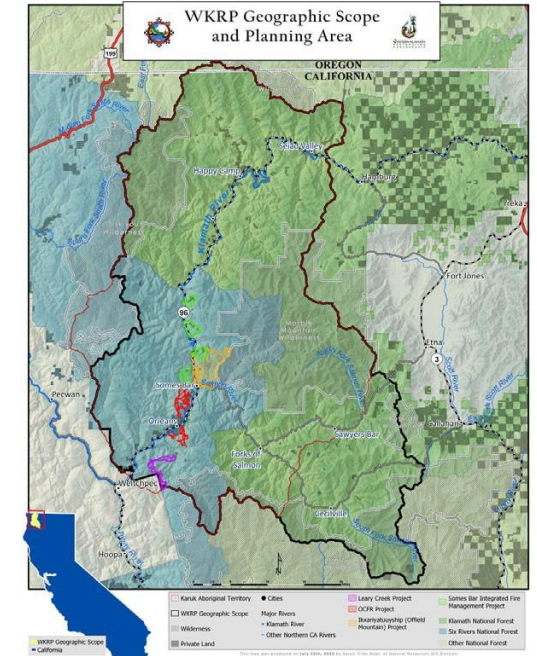
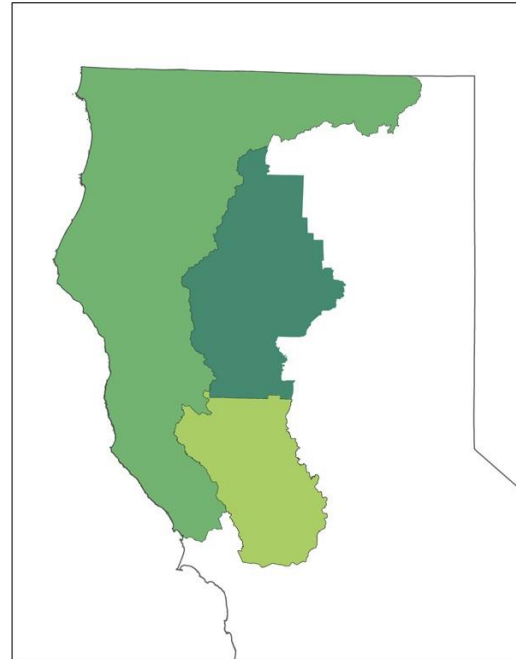
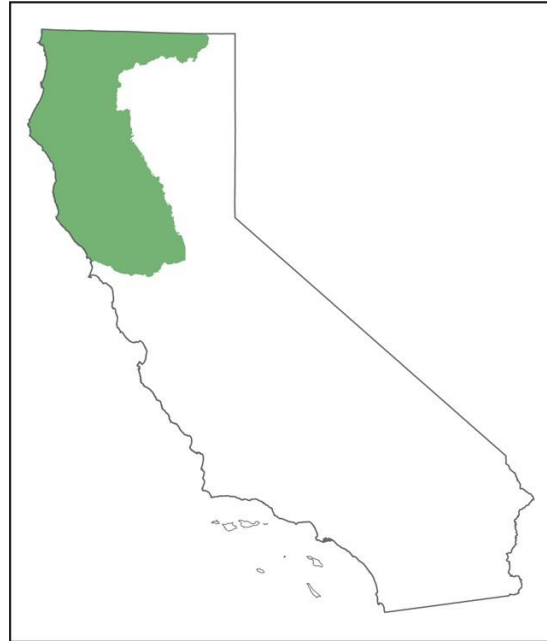
- ✓ Capacity
- ✓ Priority Project Planning
- ✓ Project Development
- ✓ Demonstration Project

## Program Activities Since 2019:

- ✓ \$66M of funding awarded
- ✓ 10 regional block grants awarded
- ✓ 3 statewide grants
- ✓ 3rd round guidelines will be released July 22nd



# Organization

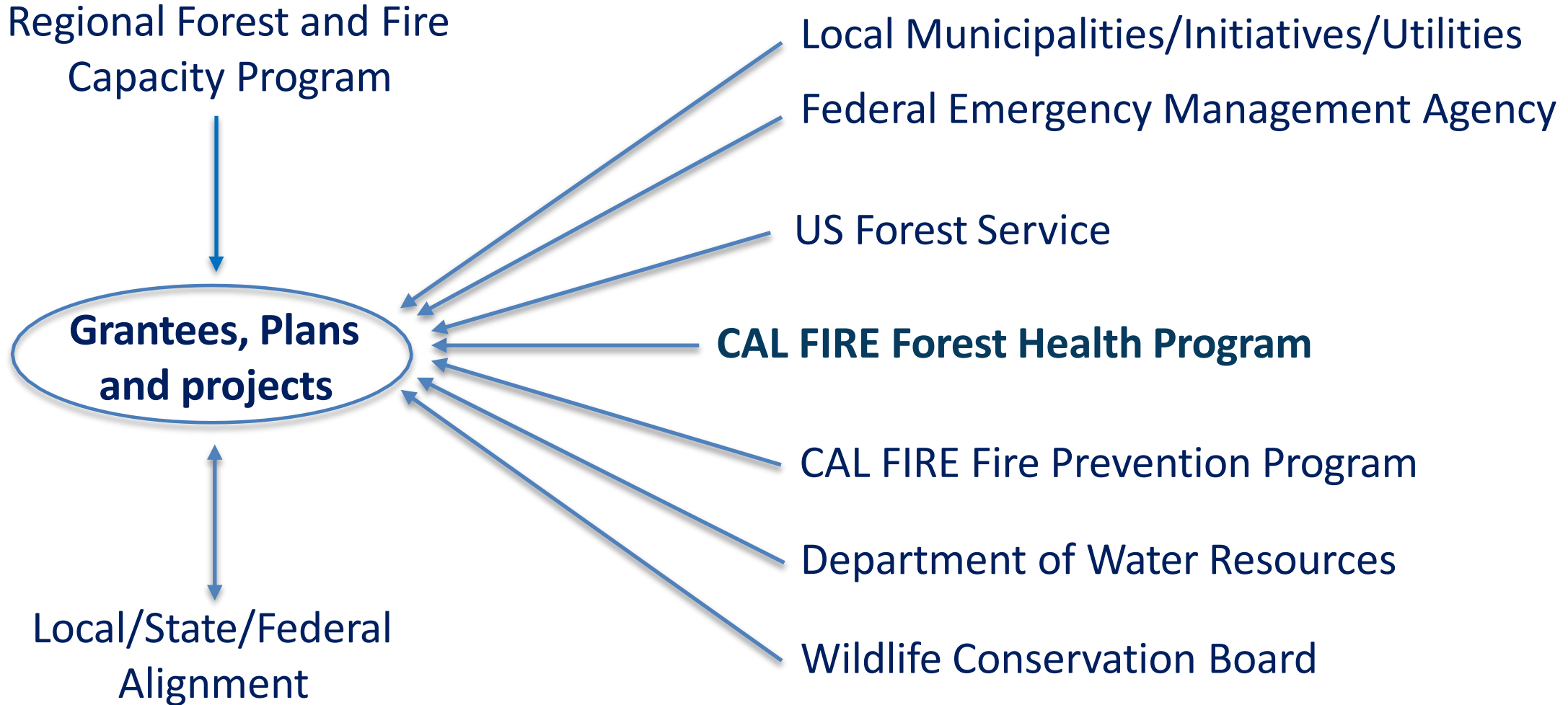


Task Force Region

RFFC Block Grant

Sub Grantee

# RFFC Grantees Serving Multiple Agencies





# What's Next



- Expanded program reach
- Regional priority plan completion
- Partner agency implementation block grants
- Increased DOC grant management capacity
- Alignment with new task force directives, data, and tools
- Continued watershed integration

# MARIN COUNTY EXAMPLE

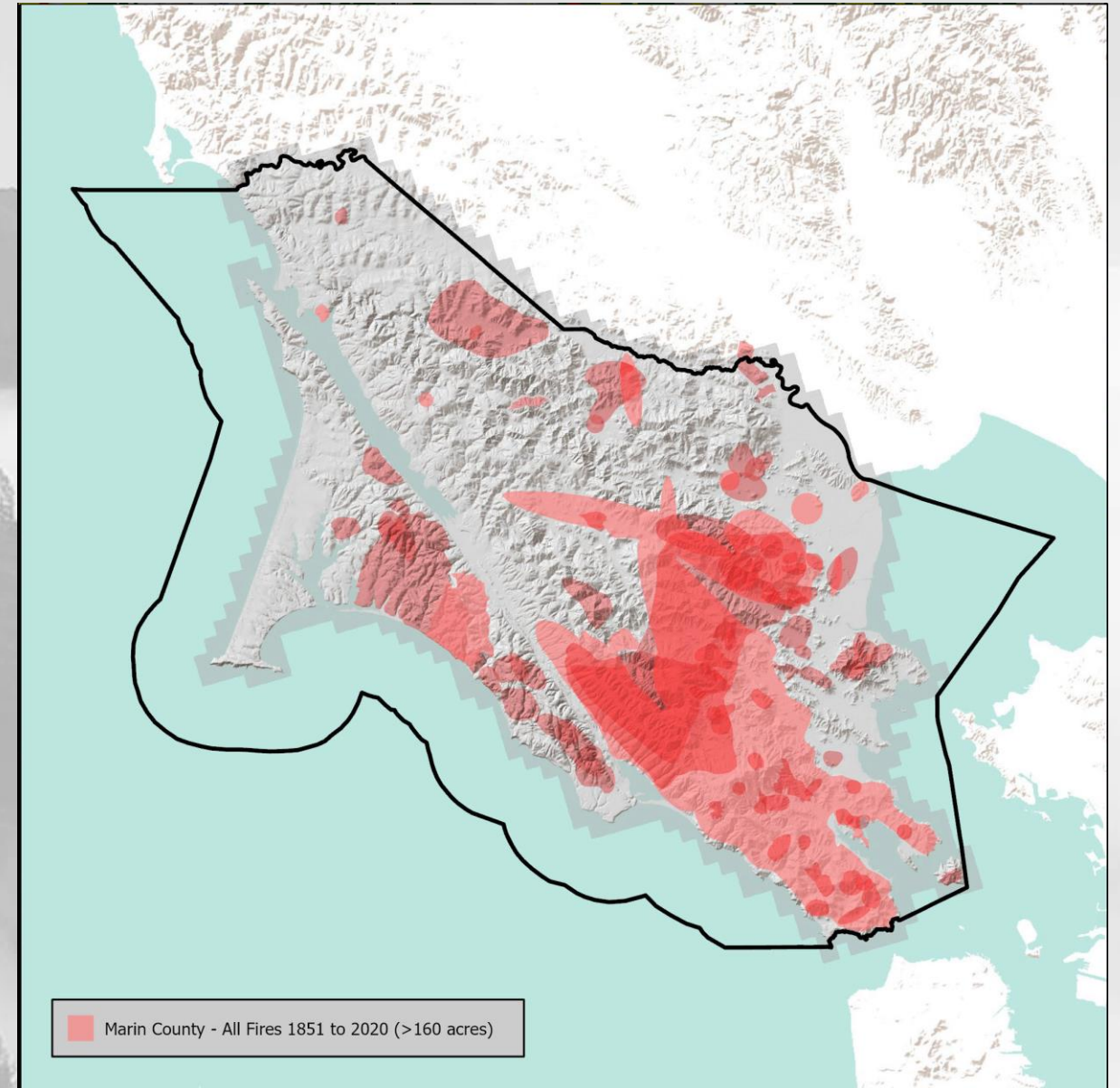


**ONE  
TAM**



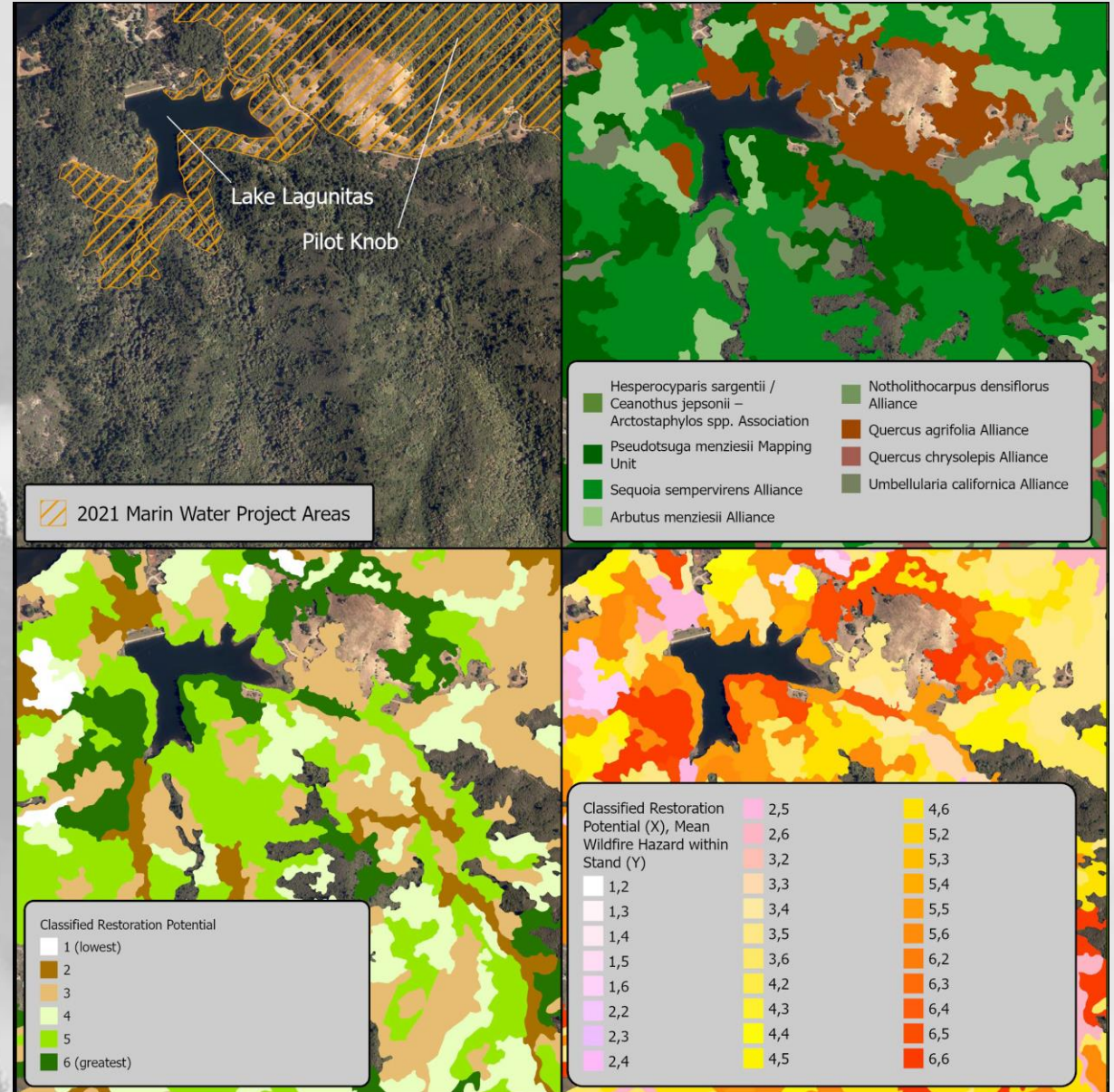
# FOREST HEALTH ASSESSMENT OVERVIEW

- In 2021, One Tam completed the County's first comprehensive fine scale vegetation map ([more info](#))
- The fine scale map provides us with a comprehensive dataset that can be analyzed to understand the composition and distribution of forested areas across the landscape – the map identifies 34 different forest communities in Marin County.
- Beyond locating forest stands and describing their floristic composition, we have enhanced the vegetation map with other detailed information, such as presence of mortality in the tree canopy.
- Using lidar analysis we are also performing work to understand more about the structural dynamics of stands in the veg map, which is a powerful tool for assessing conditions at landscape scale.
- By combining this information with other data such as fire history, we developed a comprehensive suite of metrics that allows managers to assess forest health at a broad landscape scale.



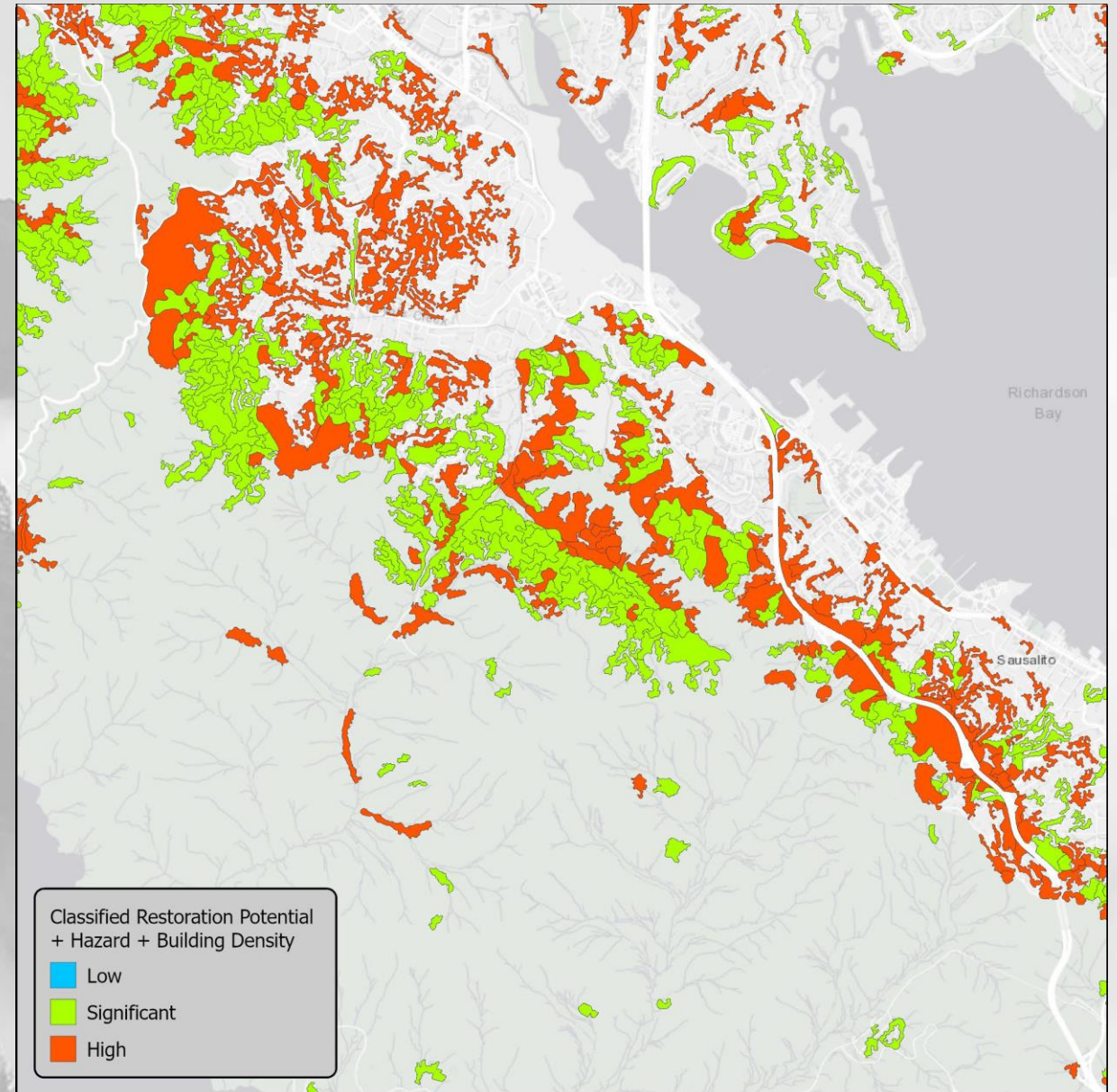
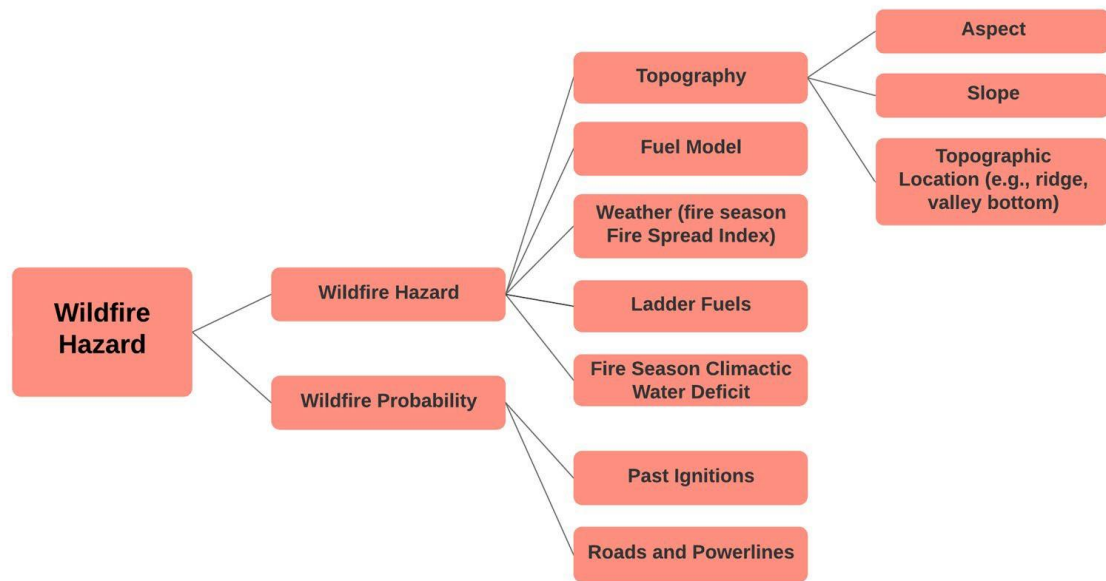
# APPROACH TO IDENTIFYING PRIORITY TREATMENT AREAS

- Use the Marin countywide fine scale vegetation map as the basic unit of analysis
- Develop mapping of disease-impacts and other dynamics such as open canopy oak woodland at risk of conversion to Douglas fir in the absence of a natural fire regime.
- Synthesize these and other conditions metrics into a countywide “restoration potential” index for forest and woodlands
- Classified restoration potential provides the opportunity to identify multi-benefit treatment areas that intersect with other values such as cultural landscapes, natural resources, and water storage/delivery infrastructure.



# INTEGRATING WILDFIRE HAZARD AND COMMUNITIES

- Develop an up-to-date Wildfire Hazard Index for Marin County using best available data from 2020 Marin CWPP, lidar, and statewide datasets
- Integrate building density and WUI layers
- Combine restoration potential with wildfire hazard and building density data to map multi-benefit forest health and community protection project opportunities
- Summarize results in forest health strategy



# MARIN COUNTY COORDINATION: ONE TAM + MARIN FIRE PREVENTION AUTHORITY

## MARIN FIRE PREVENTION AUTHORITY

- Defensible Space
- Home Hardening
- Evacuation Routes
- Hazardous fuels reduction in the WUI
- Fire prevention + detection

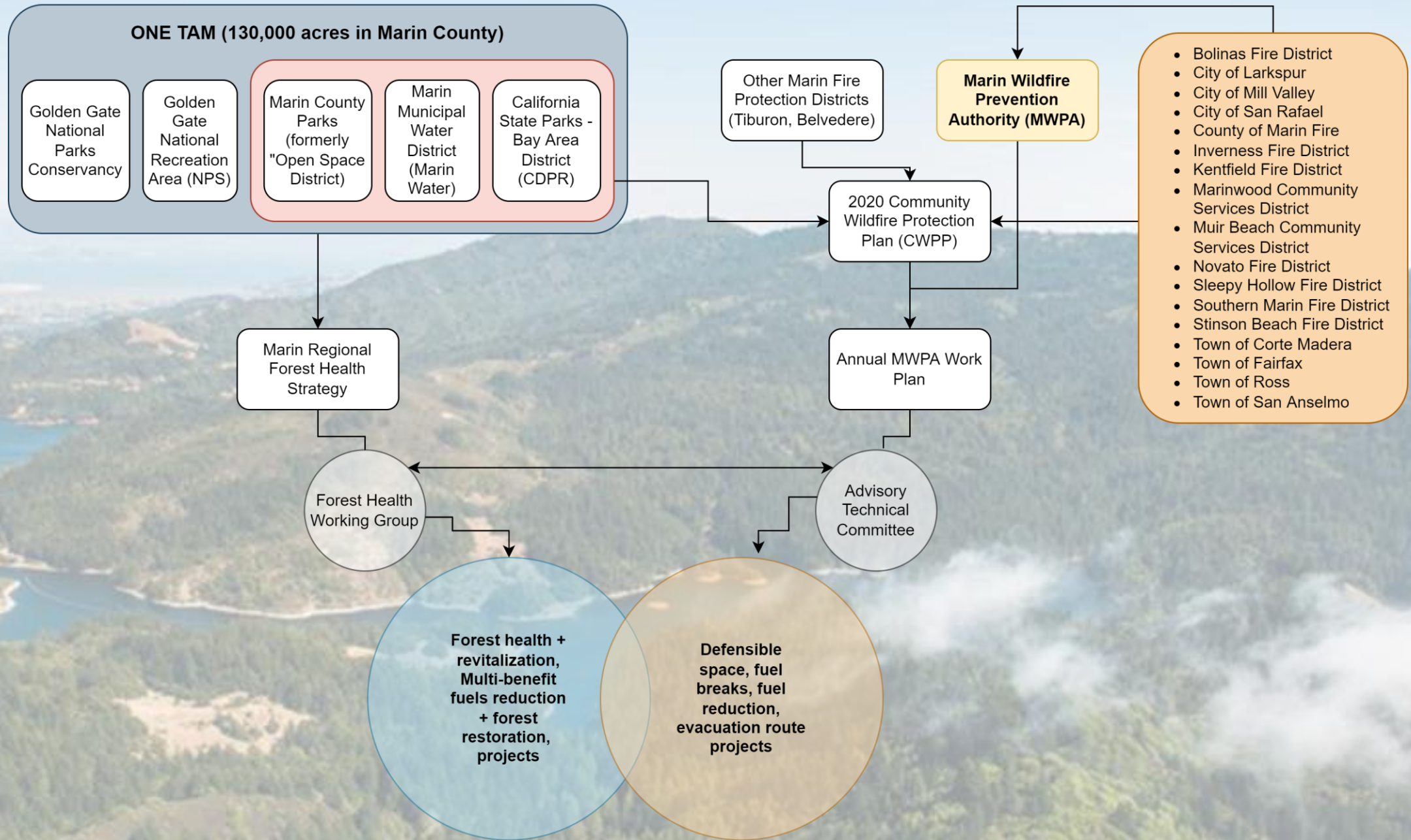
## ONETAM

- Forest resiliency/health treatments in wildland areas
- Biodiversity/Resource driven approach to treatments with secondary benefits to fuels reduction where applicable
- Focus on monitoring, science/research, and stewardship

### Shared Interests

- Increased capacity to support pile burning, broadcast/prescribed fire.
- Designing hazardous fuels reduction treatments in the WUI to be ecologically neutral or beneficial
- Compliance approaches for MWPA-initiated treatments on public lands
- Community engagement, education, and outreach
- Increase Tribal engagement, input, and cultural approaches to treatment including cultural burning.
- Biomass management innovations
- Grants/funding

# COLLABORATION FRAMEWORK





# THANK YOU

**Keali'i Bright**

Division Director | Land Resource Protection

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# Roundtable / Public Comment

- Roundtable
  - Topic Suggestions for Next Meetings  
<https://forms.gle/Wefg6YnrnUGYS8ua9>
- Public Comment

# Upcoming Meeting Dates for 2022

The Committee shall meet on the third Tuesday of each month from 1:00 PM – 3:00 PM.

- Aug 16, 2022 – **Same Location**
  - Featuring presentations from:
    - Office of Energy Infrastructure Safety – Utility Wildfire Mitigation Plans
    - Office of the State Fire Marshal – SB 190 Model Defensible Space Program
- Sep 20, 2022
- Oct 18, 2022
- Nov 15, 2022
- Dec 20, 2022
- Jan 17, 2023



# 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](mailto: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.
- Any written reports being provided to the committee members in advance of the public meeting will also be available to the public upon request.
- This committee meeting will be accessible via live audio webcast. Public comments on agenda items will be accepted via text sent through the webcast chat interface as well as via audio for those participating by phone and teleconference platform. Those wishing to provide public comment are not required to provide their name and/or e-mail in order to do so. Please mute your microphones when you are not speaking.
- In accordance with Title II of the Americans with Disabilities Act of 1990, reasonable accommodations are available. Request for reasonable accommodations should be made at least five (5) working days prior to the meeting date. To request reasonable accommodations, including documents in alternative formats, please contact Kara Garrett at (916) 201-5539 or [Kara.Garrett@fire.ca.gov](mailto:Kara.Garrett@fire.ca.gov).

