



CAL FIRE

Office of the State Fire Marshal

Wildfire Mitigation Advisory Committee Meeting

September 20, 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



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
 - **Neil Matouka**
- 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
 - **Sophia Lemmo**
- 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

WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING

Meeting Minutes – Tuesday, August 16, 2022

Posted on August 31, 2022



Committee Members Present

Curtis Brown, Department of Forestry and Fire Protection
Mike Richwine, Office of the State Fire Marshal
Caroline Thomas Jacobs, Office of Energy Infrastructure Safety
J. Lopez, State Board of Forestry and Fire Protection
Robert Troy, California Office of Emergency Services
Mike Peterson, California Department of Insurance (Virtual)
Neil Matouka, Office of Planning and Research
Jessica Martinez, California Fire Safe Council (Virtual)
Roy Wright, Insurance Institute for Business & Home Safety
Dave Winnacker, California Fire Chiefs Association (Virtual)
Christopher Ochoa, Representative from the Building Industry
Lenya N. Quinn-Davidson, University of California Cooperative Extension (Virtual)
Yana Valachovic, California Fire Science Consortium (Virtual)
Maziar Movassaghi, 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
Don Hankins, Professor, CSU Chico (Virtual)

Members Absent

Department of Conservation

CAL FIRE Staff in Attendance

Daniel Berlant, Deputy Director
Wendy Collins, Assistant State Fire Marshal (Virtual)
Steve Hawks, Assistant Deputy Director
Andrew Henning, Assistant Deputy Director
Frank Bigelow, Staff Chief
Jim McDougald, Staff Chief
John Morgan, Deputy Chief
Jeff Fuentes, Utility Fire Mitigation Battalion Chief
Jamie Sammut, Staff Counsel (Virtual)
Tristan Howard, GIS Analyst (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 Mike Richwine.

B. Roll Call – Kara Garrett

Mike Richwine

Quorum Established with nineteen committee members present, eight of which attending virtually.

C. Approval of Past Meeting Minutes (Motion Required) – Mike Richwine

Motion: Robert Troy moved to accept the meeting minutes; Sean McGlynn seconded the motion.
Action: All members voted unanimously to approve the motion.

D. Agenda Review (Motion Required) – Mike Richwine

Motion: Roy Wright moved to accept the meeting agenda; Caroline Thomas Jacobs seconded the motion.
Action: All members voted unanimously to approve the motion.

2. OLD BUSINESS

Daniel Berlant / Steve Hawks

A. Risk Modeling – Daniel Berlant / Steve Hawks

1. Work Group Update

- All members met for the first time August 15th. Will meet monthly on the Monday before the WMAC meetings.
 - Question Caroline Thomas Jacobs: For the objectives, what is the process for the committee? Did we approve the charter? Not approved yet, reviewing next meeting and have it approved by then. The group is working on reviewing the charter and clearing up and refining the focus and developing definitions of key terms.
 - Risk Modeling Workgroup's question is what does success look like and who are the clients? The group is working on this answer. Job is to ID the components of the risk model and the mitigations that go with that.
 - Roy Wright: keeping group on task is the goal. The only way to keep them going towards the goal, they need to stay in line with the focus.

B. Division Report – Daniel Berlant / Steve Hawks

1. Defensible Space:

- 2022 to-date we have completed more than 120,000 Defensible Space inspections. This is up by more than 22,900 for the same timeframe last year.
- For the first time in our program history, we met and exceeded the CAL FIRE goal of 250,000 defensible space inspections within the fiscal year! The program completed 289,255 inspections between July 1, 2021 and June 30, 2022.

2. Home Hardening:

- Established a JPA with Cal OES designed to develop a state home hardening initiative (California Wildfire Mitigation Program) to retrofit, harden,



Approval of Past Meeting Minutes – Motion Required

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.

- Successfully developed training curriculum and reference material for home hardening assessors to use in the evaluation of applicant properties of the California Wildfire Mitigation Program.
 - Conducting Home Hardening Assessor Training today through Thursday in Lake County for home hardening assessors with new app updates. More training sessions will be planned as additional counties are accepted into the program.
3. Damage Inspections:
- Structures Destroyed: 299 single family residences, 5 commercial buildings, and 152 other minor structures.
 - Structures Damaged: 30 single family residences and 17 other minor structures.
 - Non-Damaged: 604 single family residences, 3 multi-family residences, 28 commercial, 1 mixed residential/commercial, 8 infrastructure, and 229 other minor structures.
4. Burn Permits:
- The new automated online application is in beta testing now and is expected to be released in early 2023.
5. Utility Wildfire Mitigation:
- Continue to assist the Office of Energy Infrastructure Safety (Energy Safety) in the review of the 2022 Wildfire Mitigation Plan (WMP) reviews for the Investor-Owned Utilities.
 - Updates for August:
 - 7/5 Energy Safety approved San Diego Gas & Electric's 2022 WMP.
 - 7/20 Energy Safety approved Southern California Edison's 2022 WMP.
 - 7/22 Energy Safety issued revision notice for Bear Valley Electric Service.
 - 7/28 Draft Decision was released for public comment for Independent Transmission Operators Transbay Cable and Horizon West.
 - Review of Pacific Gas & Electric, PacifiCorp, and Liberty utilities WMP's continues.
 - Working on filling a Battalion Chief vacancy within the program.
 - CAL FIRE leadership participated on the dais for the Public Safety Power Shutoff Pre-Season Preparedness Briefings with CPUC commissioners and executives from CalOES, Energy Safety, and the utilities.
- Finalized the Powerline Fire Prevention Field Guide Equipment Identification Pocket Guide updates through a working group and the pocket guides are currently in the printing phase. Will be distributing the pocket guides to all CAL FIRE Units.
 - Pocket guide is on the website.
 - Caroline Thomas Jacobs: Are we planning on putting this in an app?
 - Jeff Fuentes: You can go on the website on a tablet and the link will take you to the sources. The app is currently for the CAL FIRE staff, not a standalone app.
 1. Caroline: Possible future item to get an app that would get updates real time on updated documents.
6. Pre-Fire Planning:
- 2022 Annual Unit Fire Plans were posted to our public website on August 9th.
 - <https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/fire-plan/>
 - Fire Hazard Severity Zone SRA map review training and Unit/Contract County review started on August 2nd and will be completed September 9th.
 - CalMAPPER Quality Assurance/Quality Control is underway with Units and Programs and will be completed October 1st for fiscal year 2021/22.
 - CAL FIRE recently launched a new online interactive fuels reduction viewer, which provides a look at completed fuels reduction projects over the last two fiscal years (20/21 and 21/22).
 - The viewer can be found on the new webpage:
 - www.fire.ca.gov/fuels-reduction/
7. California Incident Data & Statistics:
- National Fire Incident Reporting System (NFIRS):
 - Implementing NFIRS Quality Assurance reports using the eNFIRS analytics tools to improve the timeliness, validity, and consistency of California NFIRS reporting.
 - Uploaded all of California's 2021 NFIRS data to the national database.
 - California has now fully transitioned to the new eNFIRS importing process.
 - 2021 Redbook Review:
 - Currently in Department's Green Sheet Approval Process.
8. Land Use Planning / Safety Elements:
- Numerous Safety Element Assessments (SEAs) moving forward statewide. Many SEAs will likely to be presented at August Resource Protection Committee meeting.
9. Fire Safe Regulations:



Approval of Past Meeting Minutes – Motion Required

- The “State Minimum Fire Safe Regulations, 2021” will be heard at the Board of Forestry and Fire Protection meeting held tomorrow.
 - The “State Minimum Fire Safe Regulations, 2021” will consider the adoption of the rule text and approval of the Final Statement of Reasons.
10. Subdivision Review:
- San Diego County and incorporated cities subdivision review reports are being heard at the Board’s Resource Protection Committee occurring today.
 - Working with the counties of Sonoma, Marin, Lassen, Modoc, El Dorado, Nevada, and Riverside.
11. Firewise USA:
- 542 communities in good standing, with more than 290 in progress.
12. Wildfire Prevention Grants Update:
- The CAL FIRE Wildfire Prevention Grants Program anticipates opening its next open solicitation period in October. Visit the Wildfire Prevention Grants webpage for updates on grant opportunities and sign up for our CAL FIRE Grants email service.
 - <https://www.fire.ca.gov/grants/wildfire-prevention/>
 - The Program is planning to hold a workshop prior to the next solicitation to get feedback from stakeholders on potential improvements to the Program.
13. Additional Updates:
- Staff traveled to the Insurance Institute for Business & Home Safety (IBHS) to participate in one of the experiments that is part of the [Structure Separation Experiment](#) (SSE) being funded by CAL FIRE. The SSE is being conducted in three phases and looks at the complex relationship of structure-to-structure fire spread. The experiment we witnessed at IBHS’s facility went very well.
 - While at the IBHS facility, IBHS performed an experiment to demonstrate the science behind a noncombustible Zone 0.
 - Headwaters Economics in collaboration with IBHS released a new report called [Construction Costs for a Wildfire-Resistant Home: California Edition](#). This is a follow up report to the [Building a Wildfire-Resistant Home: Codes and Costs](#) report released in 2018. The California Edition report compares the cost of constructing a home to three different levels of wildfire resistance in Redding and Los Angeles, California.
 - Baseline home compliant with the minimum requirements of Chapter 7A.
 - Enhanced home augmenting Chapter 7A with a vertical under-deck enclosure around the perimeter of the deck and a noncombustible Zone 0, including under and around decks. \$3K added cost.
 - Optimum home constructed to the most stringent, noncombustible materials, or in some cases, a “code plus” option based on research and best judgement. \$18 - \$27K added cost.
 - Construction Costs for a Wildfire-Resistant Home: California Edition <https://headwaterseconomics.org/natural-hazards/wildfire-resistant-costs-california/>
3. NEW BUSINESS
- A. Office of Energy Infrastructure Safety – Utility Wildfire Mitigation Plans Presentation: Caroline Thomas Jacobs
1. Question Roy Wright: In what way do you take actual events and walk them back against the plan? For example, a utility ignited fire, in what ways are you taking that event and cross walking that into a plan?
 - Caroline Thomas Jacobs: There is risk modeling that looks at ignitions and incorporates past ignitions, they always have a “lessons learned” section and incorporate that in. Looking at past behavior does not project reducing that risk in the future. The next fire would happen a different way, this is not the only way we are looking at what the future would hold.
 2. Question Don Hankins: Does the requirement for planning apply to PG&E lands needing to tend to their lands?
 - Caroline Thomas Jacobs: In a high fire area, they are to articulate all of the wildfire mitigation efforts within those boundaries and articulate the initiatives that they are doing based on the risk identified in the area.
 3. Question: Neil Matouka: For the collaboration of best practices for risk modeling the CPUC and the energy commission are both working on projects like this, are they aligned?
 - Caroline Thomas Jacobs: Yes, working closely with them. Aware of the scoping meetings and they are a part of the scoping meetings as well.
 4. Question, Mike Richwine: how are we collaborating in the two risk modeling work groups?
 - Caroline Thomas Jacobs: Our designee on the OSFM Risk Modeling workgroup oversees the work being done on their workgroup.



Approval of Past Meeting Minutes – Motion Required

B. Office of the State Fire Marshal – SB 190 Model Defensible Space Presentation: Frank Bigelow and John Morgan

1. Question: Roy Wright: Is there instruction on the frequency when the inspections should occur? Did not find anything on what a normal cycle would be?

- John Morgan: You always have to follow this, there is no frequency. Defensible space in this is required at all times. The expectation is to maintain defensible space. This is the type of comment we are hoping to get back from the committee for over the next month and in about two months come back and review the comments.

2. Question: Yana Valachovic: Have you thought about your own program in CAL FIRE's system might learn how local cities might be interpreting this. Do we spend more time with first time inspections, or do we keep inspecting the same people?

- John Morgan: It is always good to know that there is an option for reinspection. Of any jurisdiction and CAL FIRE's stance is that we want to get out to as many properties as we can. Year after year inspections is a good thing but we might not visit the entire jurisdiction. Some jurisdictions already strive to meet every homeowner in their jurisdiction or even ne third of the homeowners with reinspection every three to four years. The goal is to visit more properties.

3. Question: Sean McGlynn: How is this going to be presented? Is it going to be a toolkit of our recommendations in the ordinance? Would suspect that we would provide guidance.

- John Morgan: All of the input and comments that we can get to incorporate into the program the better. At the end of the day, it will be located as a document that local jurisdictions can use for themselves to either take from our website or request from us directly, they can also modify. This is a template for them to start. This will be useful with the Fire Hazard Severity Zones as there might be additional jurisdictions that would then require AB 38 inspections with home sales. There are also things that we are not thinking about for delivery. Every City is different, and we are looking into what the best plan would be.

4. Yana Valachovic: we are also adding another defensible space zone, and this means that local jurisdictions could add this to their inspection process.

- John Morgan: Is this being passed around to the Fire Marshals and local jurisdictions? We are doing training with Fire Prevention Officers in September and if there are other avenues, feel free to share the document. The hope is to get comments from the committee for an internal review first and then send it out to public review.

5. Question: J. Lopez: the success of the inspection program relies on the Inspectors themselves, will there be an annual training for Inspectors? There needs to be consistency across the state.

- John Morgan: In this document, an appendix goes through the training in its basic form. State Fire Training has been working on a training to train agencies on this program. State Fire Training has done at least two pilot trainings for this. One in the Bay Area and the second was hosted by Truckee Fire as an FSTEP (Fire Service Training and Education) class that was attended by fire service personnel as well as members of HOAs in the Truckee area. The third offering was in San Mateo county at Woodside Fire. The third step to that would be to deliver to other qualified nonprofit entity delivery but that is further down the road.

6. Use track changes in the Word document file sent with meeting minutes, also located online, and send back to Chief John Morgan at

John.Morgan@fire.ca.gov.

4. ROUNDTABLE

A. Topic Suggestions for Next Meetings – Link to Google Forms Suggestion Portal:

<https://forms.gle/Wefq6YnmUGYS8ua9>

Mike Richwine

5. PUBLIC COMMENT

A. No public comment.

Mike Richwine

6. UPCOMING MEETING DATES FOR 2022

A. Third Tuesday of each month starting at 1 PM and ending at 3 PM.

1. Next meeting is September 20, 2022 at a new location.

CAL FIRE Aviation Management Unit

Helicopter Training Classroom

5411 Luce Avenue, McClellan CA 95652

Mike Richwine

7. MEETING ADJOURNED 3:01 PM

Mike Richwine



Agenda Review – Motion Required

WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING
Meeting Agenda – Tuesday, September 20, 2022 1:00 PM – 3:00 PM
Posted September 6, 2022



Location:
5411 Luce Avenue, Helicopter Training Classroom
McClellan Park, CA 95652

Zoom Meeting Information –
Please click the link below to join the webinar:
<https://us06web.zoom.us/j/85192423489?pwd=dnZYaUhXVFliUTFmT21nMzJYYVlxQT09>
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
 - 1) Work Group Update
 - B. SB 190 - Model Defensible Space Ordinance
 - C. Division Report
3. **NEW BUSINESS**
 - A. California Department of Housing and Community Development – Community Development Block Grant– Disaster Recovery (CDBG-DR)
 - B. California Governor’s Office of Emergency Services – Prepare California Jumpstart Program
 - C. California Fire Safe Council – County Coordinators Program and the Regional Coordinator Program
4. **ROUNDTABLE**
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 October 18, 2022 at our normal location:
 - 1) CNRA Building, 715 P Street, 2nd Floor Conference Room 2-221
Sacramento, CA 95814
7. **MEETING ADJOURNMENT (Motion Required)**



Risk Modeling Advisory Workgroup Update

- Risk Modeling Advisory Workgroup Update
 - More information will be shared as the workgroup moves forward.
 - Contacts for the workgroup are listed below:
 - Jim McDougald
 - Jim.McDougald@fire.ca.gov
 - Celeste Jovanovic
 - Celeste.Jovanovic@fire.ca.gov

Division Report

Community Wildfire Preparedness and Mitigation

- JPA Update
- Wildfire Planning and Risk Reduction
 - Wildfire Risk Reduction
 - Wildfire Planning and Statistics
- Community Assistance
 - Land Use Planning
 - Wildfire Prevention Grants
- Community Wildfire Preparedness and Mitigation Webinar – Webinar Series



Division Report

California Wildfire Mitigation Program Home Hardening Retrofit Financial Assistance

- As part of the State of California's effort to strengthen community-wide resilience against wildfires, the California Governor's Office of Emergency Services (Cal OES) has partnered with the California Department of Forestry and Fire Protection (CAL FIRE) to develop a state 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.
- Known as the California Wildfire Mitigation Program (CWMP), this effort encourages cost-effective wildfire resilience measures to create fire-resistant homes, businesses, public buildings and public spaces.
- Mitigation measures such as home hardening, vegetation management, defensible space, and other fuel modification activities provide neighborhood or community-wide benefits against wildfire.
- Currently working with two additional counties (Tuolumne and El Dorado) as pilot programs for the retrofit program.
- Meets on the third Tuesday of every month from 10:00 AM – 12:00 PM
- More information on this program can be found at <https://osfm.fire.ca.gov/boards-committees/california-wildfire-mitigation-program/>



Division Report

Wildfire Preparedness Update

- Defensible Space:

- The Department has completed over 142,000 Defensible Space inspections during this calendar year. This is 32,600 more than the Department had completed by this same time last year, with the increase being attributed to increased funding and permanent staffing.
 - Does not include over 84,700 from Contract Counties.

- Home Hardening:

- Counties are working toward submitting their grant applications. Between the two counties, there could be nearly 1,000 additional structures added to the program.



Division Report

Wildfire Preparedness Update

- Damage Inspection:

- This calendar year we have had over 1,382 structures impacted by wildfire.
 - 875 structures survived with no damage.
 - 507 structures were damaged or destroyed.
 - Of these, 301 single family residences have been destroyed by wildfire statewide this calendar year to-date.

- Burn Permits:

- The statewide electronic Burn Permit application is undergoing its final stages of testing.
- Units are currently assessing the number of stationary kiosks, in the form of iPads, that they would need to accommodate citizens who do not have the ability to apply for a burn permit on their own.
 - If the units need more iPads, surplus Defensible Space iPads will be recycled to fill this need.



Division Report

Utility Wildfire Mitigation Update

- Completed all Public Safety Power Shutoff (PSPS) Full-Scale Exercises (FSE) with all 6 Investor-Owned Utilities (IOUs) in preparation for this fall. As an After-action item from the FSE's, the IOUs are working on improving the accuracy of the data they submit during PSPS events. As a result, in coordination with CAL OES, additional PSPS GIS Drills with all 6 IOUs were scheduled and 5 of 6 utilities have since completed their drill.
- 2022 Powerline Equipment ID Pocket Guides were published and are being mailed to CAL FIRE Units this week.



Division Report

Wildfire Planning and Statistics Update

- Pre-Fire Planning

- CalMAPPER QAQC data review by Units and Programs is progressing and on time to be completed by October 1, 2022.
- Unit Fire Plans were posted on the internet for public access on August 9, 2022 and can be found at <https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/fire-plan/>.
- Unit and Contract County State Responsibility Area (SRA) Fire Hazard Severity Zone (FHSZ) map review was completed on September 9, 2022. FRAP will continue to review the comments and make updates as needed before running the final draft SRA FHSZ map for adoption through regulation.



Division Report

Wildfire Planning and Statistics Update

- California Incident Data & Statistics

- Working with the CAL FIRE Incident Reporting System (CALFIRS) vendor on a new feature for the ability to Create Maps via Report Writers using the Export to Maps Functionality. Currently, CALFIRS collects Fire Ignitions location information (latitude/longitude) using two Elite Fire Supplemental Questions. We have asked the vendor to make modifications to allow users to choose which latitude/longitude fields to use on their map exports. This is in testing now and is estimated to go to production by October/ November.
- Held the first National Fire Academy (NFA) sponsored, Intro to NFIRS training in California in August 2022 this is the first training since 2019. (2020-2021 courses were suspended due to COVID restrictions)
- Confirmed three 2-day NFA sponsored, Intro to NFIRS training for the 2022/2023 Fiscal Year (FY) with the expectation to add 2 more before the FY ends. These classes start in November in Monterey.
- Confirmed one 2-day NFA sponsored, Intro to NFIRS training, and one 6-day NFIRS Program Managers training for the next FY.



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Division Report

Wildfire Planning and Statistics Update

- California Incident Data & Statistics

- Working with Fire Protection, IT, and San Diego Unit with making necessary changes to CALFIRS and other programs that will be affected by the transition of their branding from MVU to SDU.
- Working with Contract Counties on improving state wildland incidents and how they are recorded in NFIRS. Contract Counties are being audited and need better reporting and statistics for accountability.
- Working with Contract Counties as they are exploring CAD-to-CAD functionality with CAL FIRE Units that may affect NFIRS vendors, how the data is collected, and new integrations between the agencies.
- Completing the 2021 National Association of State Forester fire occurrence ignition data with assistance from IT. Ran all data testing and comparisons to last year. Everything is good to move forward to full ignition completion. Should be done within the next two weeks by IT.



Division Report

Land Use Planning Update

- **Land Use Planning / Safety Elements:**
 - Numerous Safety Element Assessments (SEAs) moving forward statewide. Many SEAs will likely be presented at the September Resource Protection Committee meeting. One Division Chief and seven Battalion Chiefs have been brought on board in Sacramento, specifically tasked with Fire Hazard Severity Zone (FHSZ) map support and rollout.
- **Fire Safe Regulations:**
 - The State Minimum Fire Safe Regulations were approved by the Board of Forestry and Fire Protection at its August meeting. There are several steps remaining in the process, and they will likely be in force 1/1/2023.

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Division Report

Land Use Planning Update

- **Subdivision Review:**
 - Work continues in several areas, including El Dorado, Placer, Nevada, Riverside and Sonoma counties, and the cities of Escondido and Anaheim surveying their areas for subdivisions located on dead-end roads and collaborating with the local agency on recommendations to improve fire safety.
- **Firewise USA:**
 - California continues to lead the nation with 566 National Fire Protection Association (NFPA) Firewise USA Communities in good standing, equating to over 25% of all NFPA Firewise USA Communities nationwide. Staff are fielding lots of inquiries statewide as interest in the program continues to grow.



Division Report

Wildfire Prevention Grants Update

- Anticipate opening the next solicitation period in early October.
- Staff are still working to determine the exact opening and closing dates.
- Join us for a Public Input Wildfire Prevention Grants Workshop
 - The Wildfire Prevention Grants Program will be hosting a Public Input Wildfire Prevention Grants Workshop on Thursday, September 29, 2022, from 10 AM – 11 AM.
 - The physical location of the meeting will be CNRA Building, 715 P Street, Conference Room 2-309, Sacramento, CA 95814 . Feel free to also join on your computer or mobile app.
 - Please click [here](#) to view the meeting agenda, in-person meeting location, and virtual meeting information with the meeting link.



Division Report

Community Wildfire Preparedness and Mitigation

Public Education Webinar Series

The Community Wildfire Preparedness and Mitigation (CWPM) division will be hosting a Webinar series that will serve as a monthly live and interactive platform to discuss and educate on Community Wildfire Preparedness and Mitigation fire safety topics directly from our Office of the State Fire Marshal CWPM Staff.

The first webinar to kick off the series will be focused on the Wildfire Prevention Grants program and will be held on October 4th via Zoom.

- Live Webinars will be held on the first Tuesday of each month from 11:30 AM – 12:00 PM via Zoom.
- All webinars will be recorded and posted on the OSFM YouTube page for future viewing.
- More information on this webinar series can be found at:
 - [Wildfire Public Education](#)



Prepare California Jumpstart

Governor's Office of Emergency Services

Hazard Mitigation Section

Prepare California JumpStart Overview

Prepare California JumpStart is a competitive grant program that provides State funding to eligible socially vulnerable and high hazard risk communities. Through this grant program, eligible communities can augment staffing by funding a Chief Resilience Officer, or a position of similar scope and title, thereby increasing capacity to develop local initiatives that foster mitigation, preparedness, and recovery activities, and mitigation project scoping.

Funding Available	\$15 million, competitive state-wide
Project cost to applicant	Fully funded by Cal OES (i.e., no local cost share for applicant)
Funding Cap	Applications may not receive more than \$1 million in state funds
Period of Performance	60 months
Eligible Activities	Staff augmentation and a limited number of supplies and materials

Prepare California JumpStart Application Criteria

- ✓ The primary activity eligible is the hiring, or continuation of services, of a Chief Resilience Officer or position of similar scope of services and authority.
- ✓ The position must increase capacity to develop local initiatives that foster resilience and mitigation project scoping, as well as planning, activities, and outreach for mitigation, preparedness, and recovery.
- ✓ There must be tangible deliverables and initiatives that directly and primarily benefit a qualified socially vulnerable and high hazard risk community.
- ✓ Project scoping must lead to a Hazard Mitigation Assistance (HMA) subapplication during the period of performance.

Prepare California JumpStart Eligible Applicants



Eligible applicants considered socially vulnerable and high hazard risk community according to [Cal OES Hazard Mitigation Assistance Division's Vulnerability Map](#)

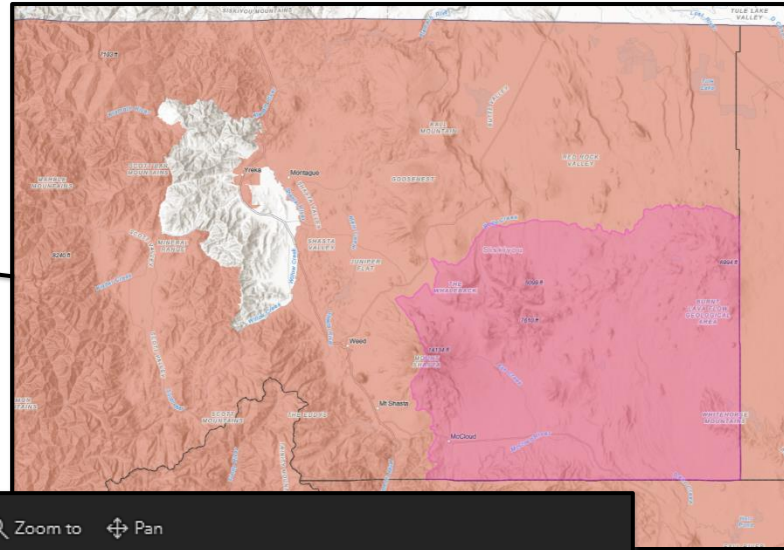
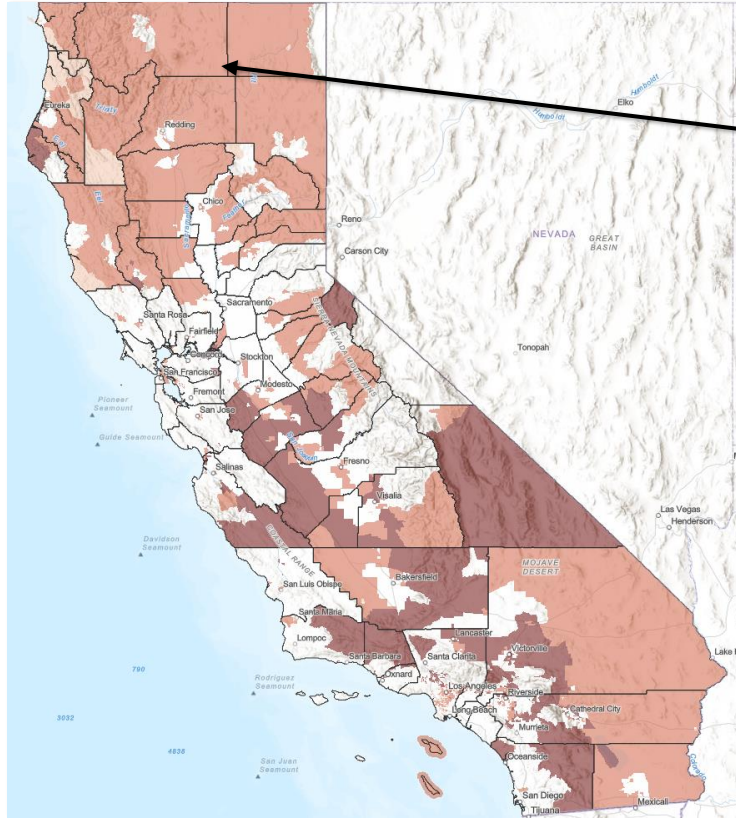
This can include:

- City/Local Jurisdiction
- County
- Special District
- Tribal Government



Applicants must have a FEMA-approved local or tribal hazard mitigation plan in order to be eligible to apply.

Prepare California JumpStart Map



Zoom to Pan

OES Multiple Hazards Master Layer (Update)

GEOID	Census Tract 12, Siskiyou County, California
Fire percentile	0.97
Flood percentile	0.54
Drought percentile	0.32
Heat percentile	0.43
Earthquake percentile	0.02
Total hazard percentile	0.45
SVI percentile	0.48
Shake potential flag	0
Ratio of median household income to state median	0.49

Cal OES Hazard Exposure and Social Vulnerability Heat Map

Eligibility Criteria

- Above 0.70 in the SVI percentile
- or -
- Less than 0.80 in the “ratio of median household income to state median”
- AND -
- Above 0.85 in any of the five hazard categories
- or -
- Above 0.70 in overall hazard exposure
- or -
- Have 1g or higher in the shake potential flag category

PREPARE CALIFORNIA 'JUMPSTART' GRANTS AWARDED

Cal OES Awards Resiliency Funding to
Disaster Vulnerable Communities



GRANTEE	AWARD AMOUNT
Hoop Valley Tribe	\$999,850
Mendocino County	\$992,000
Happy Camp Community Action	\$920,506
City of Barstow	\$732,000
Lake County	\$636,545
City of Concord	\$175,000

Examples of successful projects

Hoop Valley Tribal Government	\$999,850	Hire a full-time Hazard Mitigation Officer and a Coordinator to determine cost-effective hazard mitigation projects, catalog vulnerable infrastructure, and provide education and outreach to residents and community partners.
Mendocino County	\$992,000	Hire a part-time resilience-focused Grant Coordinator and Grant Consultant to conduct outreach and education campaigns and secure grant funding for projects that directly benefit the most socially vulnerable members of the community.
City of Barstow, San Bernardino County	\$732,000	Hire a part-time Chief Resilience Officer to develop local climate resilience strategies and initiatives aimed at assisting the most socially vulnerable residents.
Lake County	\$636,545	Hire a Chief Climate Resilience Officer to develop and implement a comprehensive local resilience strategy, develop low or no-cost solutions to reduce disaster risks, secure and manage mitigation grant funding, pursue community resilience education and training.

Apply for JumpStart

- ✓ **Visit our website** [Prepare California | California Governor's Office of Emergency Services](#)
- ✓ **How to apply** Email application and supporting documentation to PrepareCAJumpStart@caloes.ca.gov
- ✓ **Questions** PrepareCAJumpStart@caloes.ca.gov

Other Hazard Mitigation Assistance (HMA) Grants – Post Disaster

HAZARD MITIGATION GRANT PROGRAM (HMGP)

Purpose: FEMA funded, State administered program and directly tied to a disaster declaration; break cycle of repetitive losses

Cycle: Post-Disaster

Local Match: 25%

Competition: State-wide

FY 2022 Funding*: Varies year to year. 2021 Funding cycle (~\$500M) is closed, no 2022 funding available as of now.

HAZARD MITIGATION POST-FIRE

Purpose: FEMA funded, State administered program and directly tied to a Fire Management Assistance Grant (FMAG); break cycle of repetitive losses due to wildfire and fill post-fire mitigation needs

Cycle: Annually, if FMAG declared

Local Match: 25%

Competition: State-wide, with FMAG declared counties prioritized

FY 2022 Funding: Varies, ~\$1M per FMAG in the federal fiscal year

* Federal Share

Other Hazard Mitigation Assistance (HMA) Grants - Annual

BUILDING RESILIENT INFRASTRUCTURE AND COMMUNITIES (BRIC)

Purpose: FEMA funded, State administered program and **not** directly tied to a disaster declaration; high-impact, neighborhood scale projects

Cycle: Annual

Local Match: At least 25% or 10% for economically disadvantaged rural communities (EDRC)

FY 2022 Funding*: ~\$2.3B - nationally competitive program

FLOOD MITIGATION ASSISTANCE (FMA)

Purpose: FEMA funded, State administered program and **not** directly tied to a disaster declaration; reduce NFIP claims

Cycle: Annual

Local Match: 0%, 10%, or 25%

FY 2022 Funding*: \$800M - nationally competitive program

PREPARE CALIFORNIA MATCH

Purpose: State funded, State administered program to cover the non-federal cost share for participation in BRIC, FMA, and HMGP for high risk and socially vulnerable communities.

Cycle: One time legislative appropriation

Local Match: None

FY 2022 Funding: \$85M, competitive state-wide for eligible communities

* Federal Share

Community Development Block Grant – Disaster Recovery (CDBG-DR)

- **Wildfire Mitigation Advisory
Committee September 20,
2022**



Agenda

1. What is CDBG-DR and how does it assist with recovery and resiliency
2. Context of housing recovery: Statewide Housing Crisis
3. Summary of current CDBG-DR Programs
4. Focus on CDBG-Mitigation (CDBG-MIT) programs
5. Interagency Coordination & Leveraging Resources

What is CDBG-DR?



What is CDBG-DR?

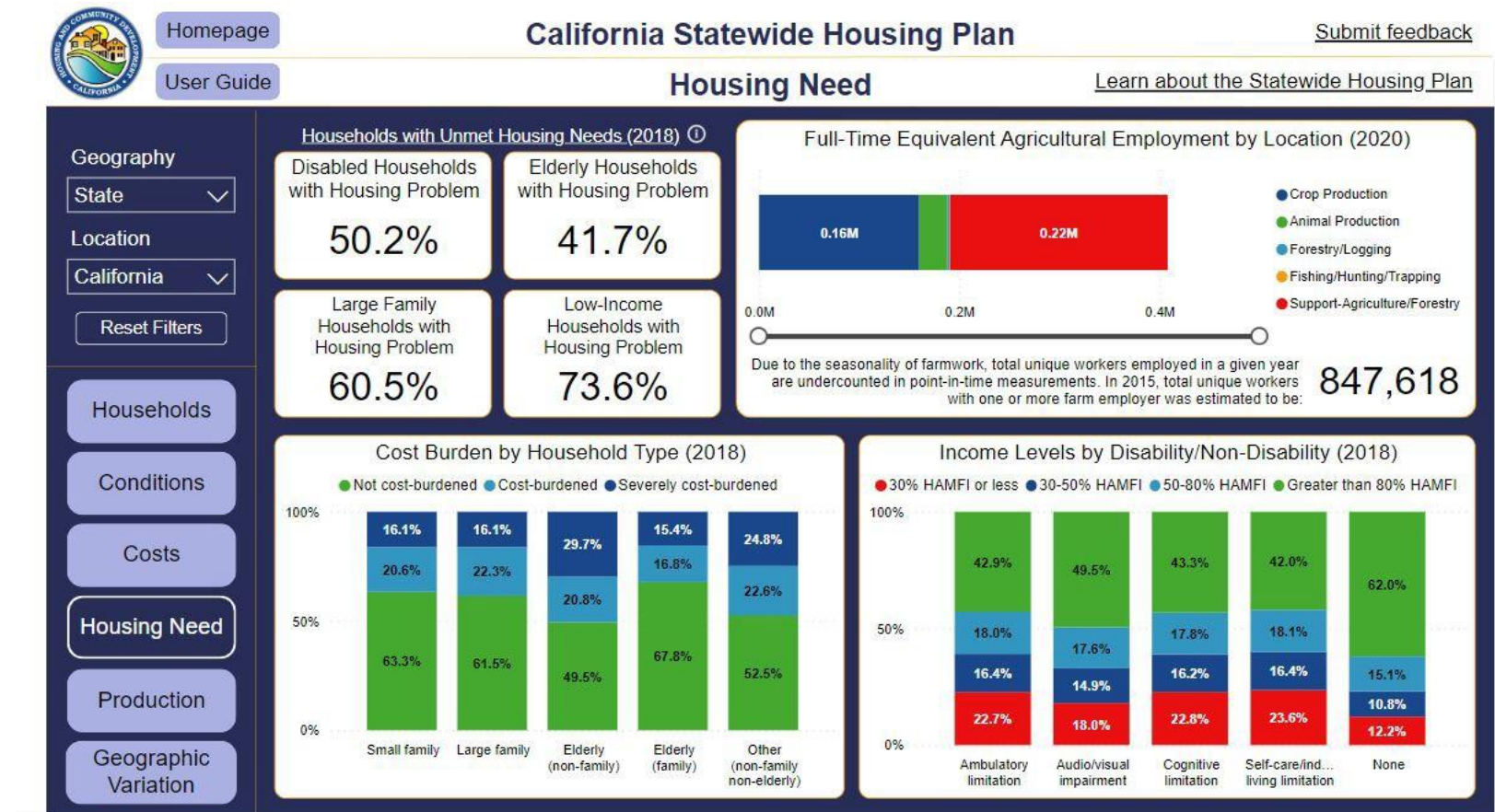
- CDBG-DR is a special appropriation by Congress based on unmet needs
- Allocates to states to assist with long-term recovery after a presidentially-declared disaster
- Intended to be last recovery resources to cover financial gaps
- Connection to Wildfire Mitigation:
 - Housing and infrastructure construction in WUI areas
 - Mitigation grant funding
 - Alignment of state policies (housing, transportation, resiliency, etc.)

What is CDBG-DR?

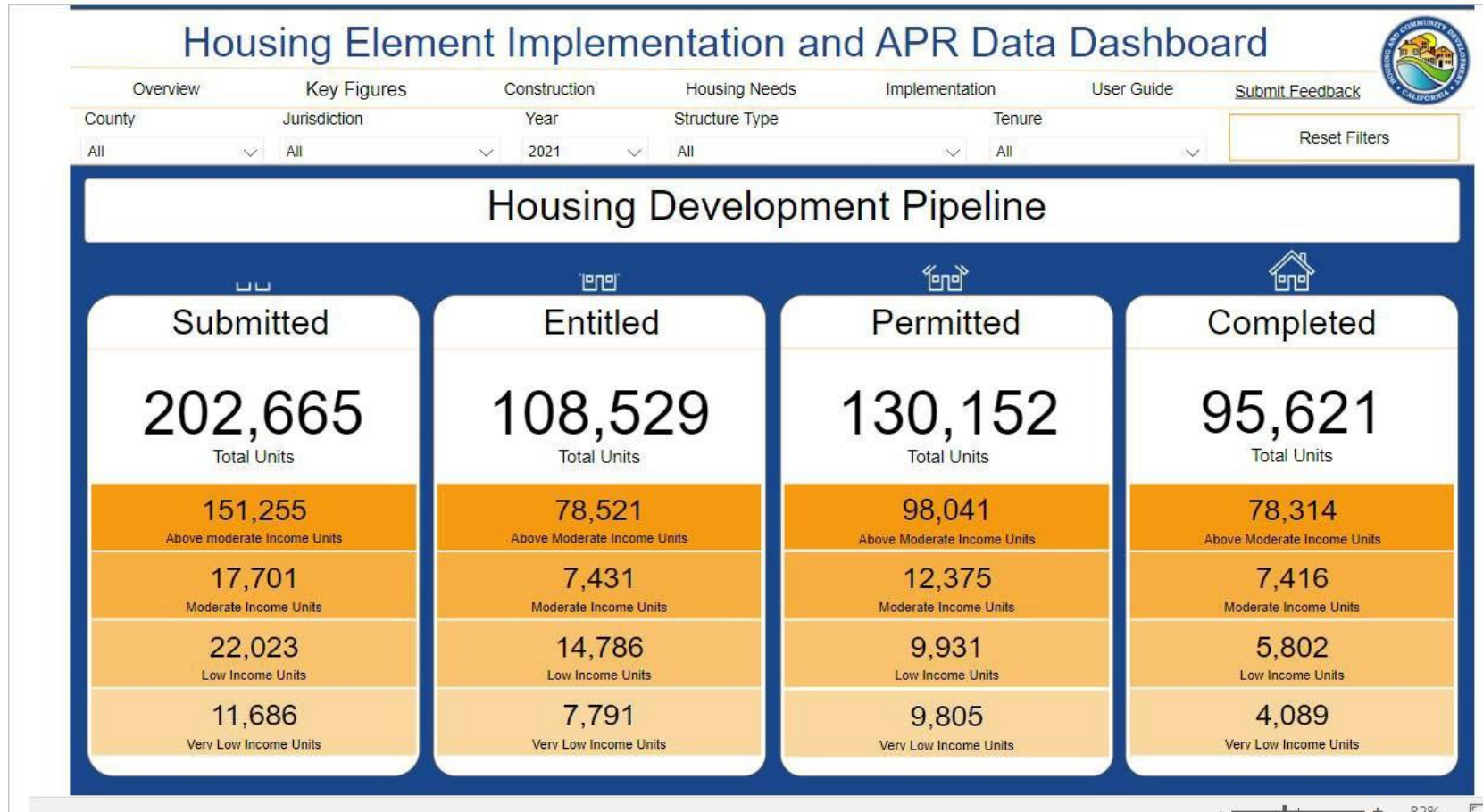
- Housing, infrastructure, and economic revitalization are eligible activities
- Focused on low-moderate income populations, with heavy emphasis on equity
- Limits eligibility to jurisdictions that received FEMA IA and PA declarations
- Must have tie-back to specific disaster

Statewide Housing Crisis

- Existing statewide housing crisis impacts rate of housing recovery
 - Lack of temporary housing options
 - Limited inventory available to purchase
 - Significant increase in unhoused population
 - Structural impacts (labor, material shortages, land-use, etc.)

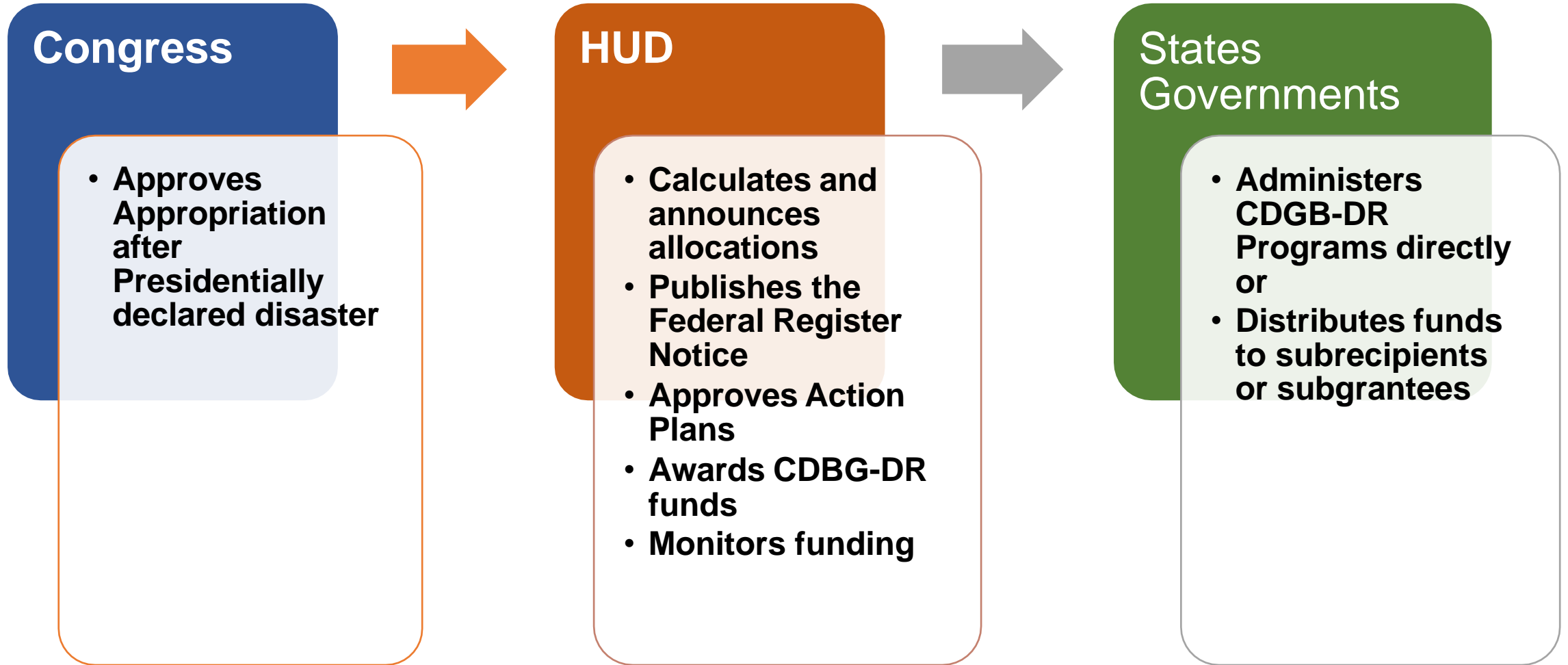


Statewide Housing Crisis



[Housing Open Data Tools | California Department of Housing and Community Development \(https://www.hcd.ca.gov/housing-data-tools\)](https://www.hcd.ca.gov/housing-data-tools)

CDBG-DR Implementation



CDBG-DR Concerns

- Each grants comes with new regulatory requirements and goals;
- Inconsistent in availability, timing, and amount

Example: For 2017 CDBG-Mitigation

- ✓ Date of Congressional allocation: February 2018
- ✓ Date of Federal Register Notice release: August 30, 2019

Example: For 2021 Wildfire (DR 4610 and 4619)

- ✓ DR 4610 received \$14.7 Million, DR 4619 nothing



CDBG- DR Allocation Formula

HUDs allocation formula concerns:

- Based on FEMA and SBA data;
- Views fire as insurable event, including for Low-moderate income households
- Only includes verified properties inspected by FEMA; and
- housing valuation only considers housing unit costs, not infrastructure or onsite needs for habitability

Which means that a significant (sometimes more than 50%) of damaged housing units not included in CDBG-DR formula allocation



CDBG-DR Allocation Concerns

Disaster Declaration	Total FEMA-IA Verified Loss	Total CalFire <u>Destroyed</u> Residential Structure	Number of homes <u>not</u> included in disaster recovery funding
4558/4569 – (2020)	1,573	5,356	3,783
4407 - (2018)	10,475	18,211	7,736
4344/4353 – (2017)	2,278	7,503	5,225
Totals	14,326	31,070	16,744

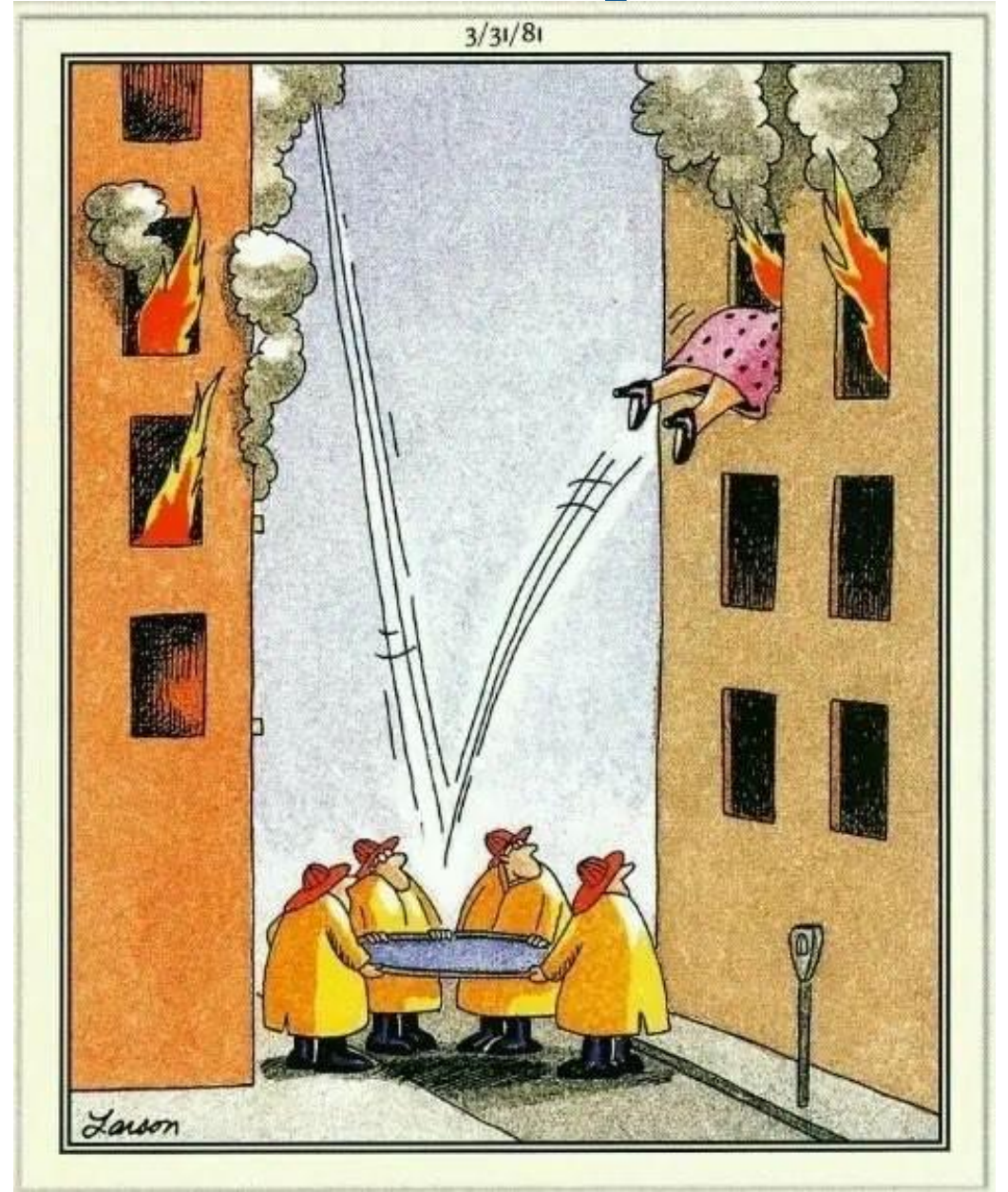
Result for CA:
 \$10 Billion
 unmet housing
 recovery for
 wildfires 2017 -
 2020

CDBG-DR Programs



Holistic Disaster Recovery

- Aligning state housing, transportation, hazard mitigation, climate change adaptation goals
- Building back better, more resilient, and more housing
- Addressing Equity



California CBDG-DR/MIT Allocations

YEAR DISASTER DECLARATION	CDBG-DR	CDBG-MIT
2017 DR 4344 & 4553	\$162,212,527	\$88,219,000
2018 DR 4407 & 4382	\$1,017,399,000	\$64,907,000
2020 DR 4558 & 4569	\$231,203,000	\$30,157,000*
2021 DR 4610	\$14,761,000	\$1,926,000*
Totals	\$1,425,575,527	\$185,209,000

(*): Mitigation set-aside, not direct CDBG-MIT allocation

HCD's CDBG-DR/MIT VALUES

Compliance

Feasibility

Local
Control

Risk Mitigation

Speed

Equity

Examples of CDBG-DR Housing Recovery Programs

1. Owner Occupied Housing Rehabilitation and Reconstruction Program (OOR)
 - Prioritized to low-to-moderate (LMI) households
2. Homebuyer Assistance Program (HBA)
 - Enables impacted households to relocate out of high-risk areas
3. Multifamily Housing Program (MHP)
 - Provides gap financing for the development of rental housing units in MID areas
 - Rehab and Reconstruction to eligible property
 - New construction of multifamily properties for hardening and creation of defensible space zones

Examples of CDBG-DR Non-housing Recovery Programs

1. Infrastructure

- FEMA PA or HMGP local match
- Stand Alone Infrastructure Projects in support of housing development

2. Workforce Development

- Support development of construction workforce to help with housing recovery

3. Planning and Technical Assistance Grants

CDBG-DR/MITIGATION



CDBG-Mitigation

- Example of changing programs: Two different but similar hazard mitigation funding programs.
 - Community Development Block Grant – Mitigation (**CDBG-MIT**) for 2017 and 2018 disasters
 - Community Development Block Grant – Disaster Recovery (**CDBG-DR/MIT**) mitigation set-aside for 2020 and 2021 disasters

CDBG-MIT Programs

CDBG-MIT Resilient Infrastructure Program (MIT-RIP) - \$106 million

- 2017 MIT-RIP - \$61 million
- 2018 MIT-RIP - \$45 million

CDBG-MIT Planning & Public Services (MIT-PPS) - \$39 million

- 2017 MIT-PPS - \$22 million
- 2018 MIT-PPS - \$ 16 million

2020 CDBG-DR Mitigation Set-Aside - \$30 million

2017/18 CDBG-MIT Projects

- Examples of **MIT-Resilient Infrastructure Projects** include:
 - Roadside fuel reduction
 - Replace radio communications infrastructure
 - Flood protection installation
 - Water treatment plant upgrade and construction

- Example **MIT-Planning and Public Service** projects include:
 - Evacuation planning
 - Community education for fire protection and prevention
 - Creation/updates of a Hazard Mitigation Plan
 - Community Wildfire Protection Plan update
 - General Plan Safety Element updates

2020 CDBG-DR/MIT Funding

CDBG mitigation set-aside - **\$30 million**

Two new mitigation programs:

1. Owner Occupied Housing Rehabilitation and Reconstruction (OOR) - \$21 million

2. Multifamily Housing Program (MHP) - \$7 million

OOR Mitigation

The OOR Mitigation will provide two options for single family mitigation measures:

- Eligible OOR applicants may receive up to 10% (or up to \$50,000) of their OOR (recovery) award for eligible mitigation measures during rehabilitation or reconstruction
- Owner-occupied properties that did not suffer damage in the DR-4558 or DR-4569 events but are in the most impacted and distressed areas (MID) and are low to moderate income (LMI) may apply for grants up to \$50,000 for mitigation measures that enable property to meet WUI code standards

MHP Mitigation

MHP Mitigation will provide two options for mitigation of multifamily properties:

- Multifamily developers can apply for up to 5 percent of their CDBG-DR grant to incorporate eligible mitigation measures to withstand future disasters.
- Current multifamily property owners with properties in MID areas may apply to a separate NOFA for up to \$50,000 to harden to WUI code standards.

Inter-agency Coordination

- Alignment of standards and programs will increase likelihood for **community wide resiliency goals**
 - Alignment with CDBG-MIT OOR program and California Wildfire Mitigation Program standards
 - Alignment of CDBG-DR Reconstruction program with Ch 7A+/enhanced standards and Wildfire Safe designation will help reduce insurance costs
- Opportunity to expand to non-DR funding

THANK YOU

Contact Information:

Maziar Movassaghi
Disaster Recovery Officer
Maziar.Movassaghi@hcd.ca.gov

[Disaster Recovery & Mitigation | California Department of
Housing and Community Development](https://www.hcd.ca.gov/disaster-recovery-and-mitigation)
(<https://www.hcd.ca.gov/disaster-recovery-and-mitigation>)



Taking a Coordinated Approach Toward Resiliency

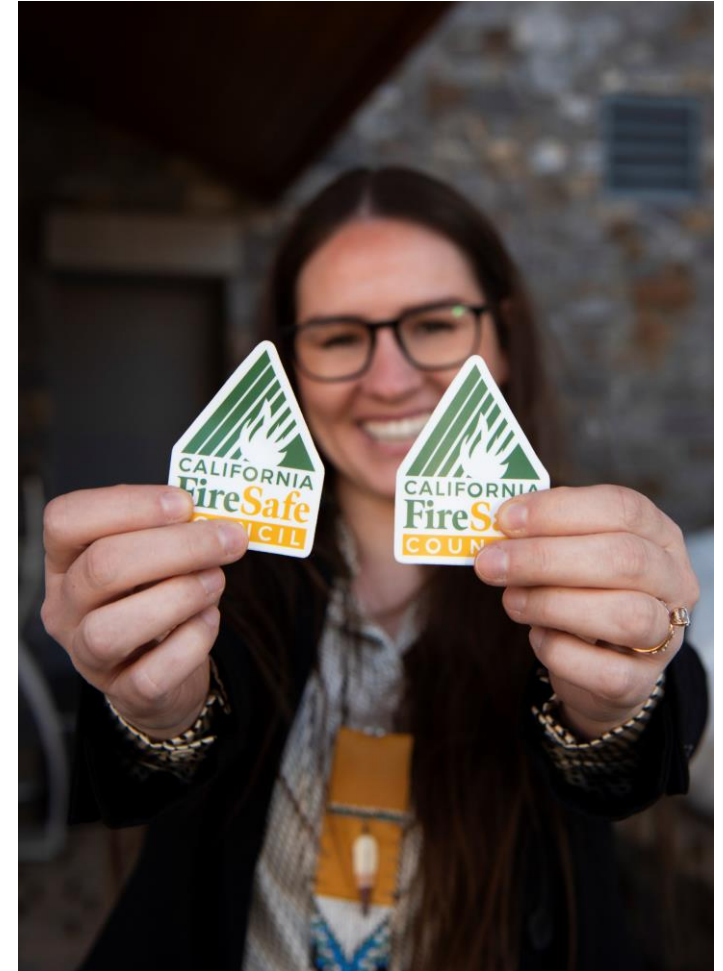
Presentation by the California Fire Safe Council for the
September 20, 2022, Wildfire Mitigation Advisory
Committee Meeting

California's leader in community wildfire risk reduction and resiliency.



Presentation Team

- Jessica Martinez-Program Director
- Mike Wilson-Northern California Regional Coordinator
- Julia Marsili-County Coordinator Program Staff Grant Specialist



California's leader in community wildfire risk reduction and resiliency.



About CFSC

- Background
- Grants Clearinghouse
 - Funding partners
 - Areas of focus
- Programs & Outreach
- Available resources

California Fire Safe Council Impact

Grants funded between 2014-2022 by CFSC and updated in January and July every year.

Total Grants Funded

326

Completed

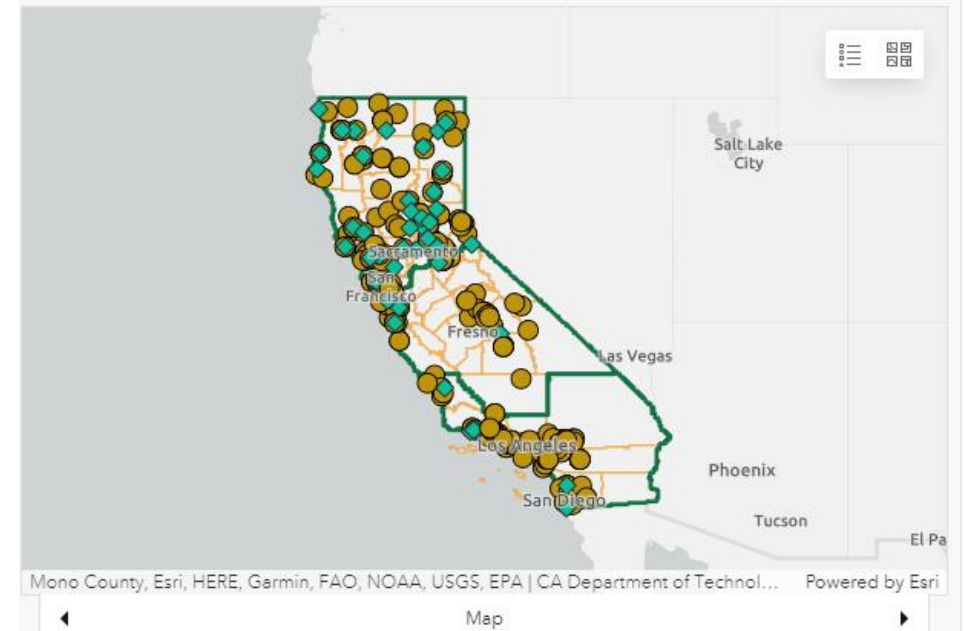
263

Grants in Complete Status.

Active

63

Grants in active or extended status.



Mono County, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | CA Department of Technol... Powered by Esri

37M

Grant Funds

44.6M

Match Funds

77.4M

Total Funds

California's leader in community wildfire risk reduction and resiliency.



What is a Fire Safe Council?

- How Fire Safe Councils work toward wildfire resiliency
- How Fire Safe Councils collaborate with and support other wildfire mitigation practitioners
- What do Fire Safe Councils look like?
 - Community-Based & County-Wide
 - 501c3
 - RCD driven
 - County led



California's leader in community wildfire risk reduction and resiliency.



Fire Safe Council Project Work

1. Education
2. Planning
3. Mitigation
4. Community Preparedness

Statewide Success Stories:

<https://cafiresafecouncil.org/all-resources/>



California's leader in community wildfire risk reduction and resiliency.



CFSC Regional Coordinators

- Supporting grassroots wildfire practitioners
- Building local Fire Safe Council capacity
- Making connections and developing regional networks
- RCs offer:
 - Support
 - Training
 - Webinars
 - Networking opportunities

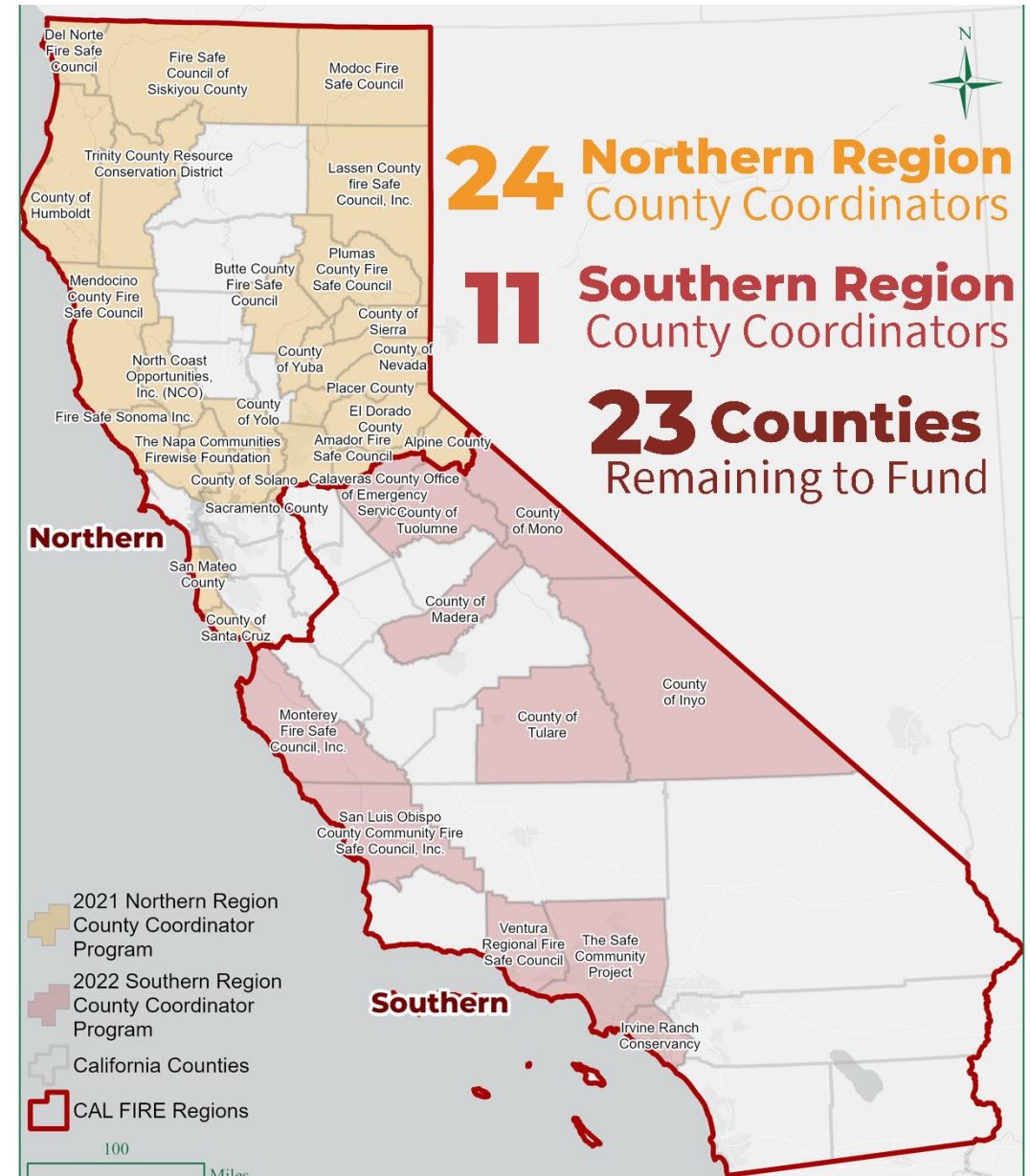


California's leader in community wildfire risk reduction and resiliency.



County Coordinator Grant Program

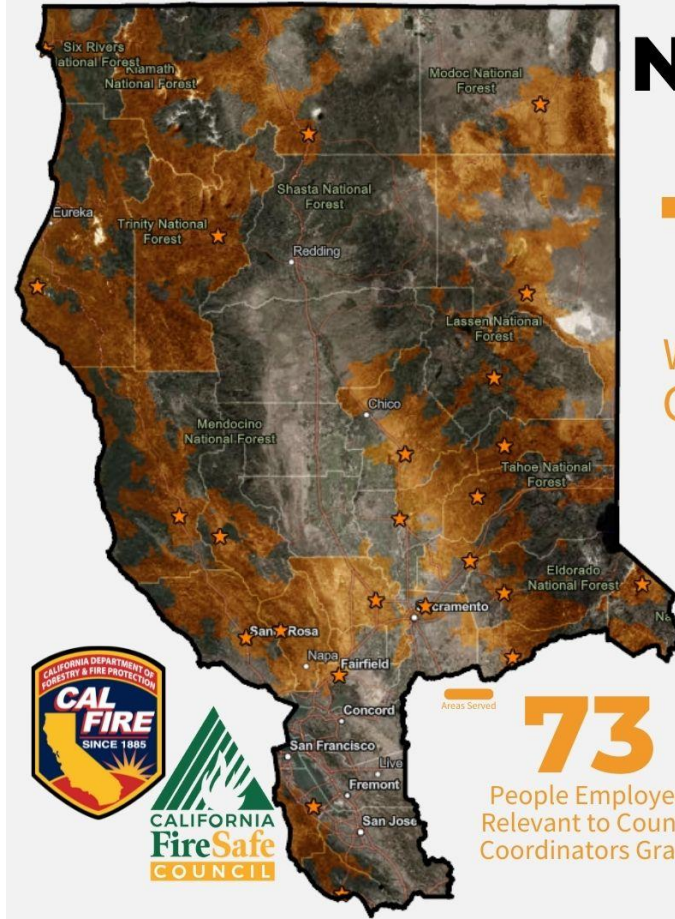
- Program background & overview
- Program highlights
- Program goals, short & long term
- Improved collaboration, communication, & resource sharing



California's leader in community wildfire risk reduction and resiliency.



County Coordinator Grant Program



Northern Region County Coordinator Program

1,028

Wildfire Mitigation Groups Engaged



16,299

Community Members Engaged

125

Educational Products Produced



73

People Employed Relevant to County Coordinators Grant



375

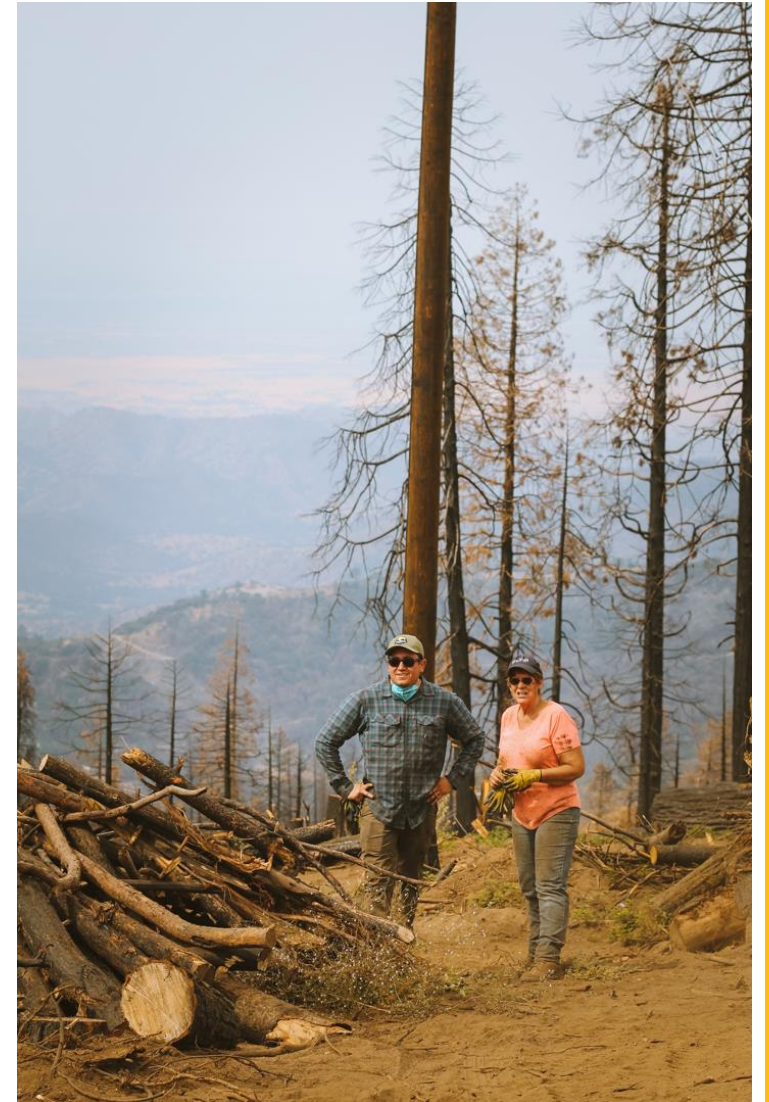
EVENTS HOSTED

California's leader in community wildfire risk reduction and resiliency.



Tying it all Together

- Focus on collaborative networks as opposed to siloed efforts
- Mutual support system between local groups & practitioners, County Coordinators, & Regional Coordinators
- CFSC long term goals & strategic visioning
 - New partnerships
 - Encourage feedback
- Learn more cafiresafecouncil.org



California's leader in community wildfire risk reduction and resiliency.



Questions?

- Jessica Martinez-Program Director, jmartinez@cafiresafecouncil.org
- Mike Wilson-Northern California Regional Coordinator, mwilson@cafiresafecouncil.org
- Julia Marsili-County Coordinator Program Staff Grant Specialist, jmarsili@cafiresafecouncil.org

Upcoming Meeting Dates for 2022

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

- Oct 18, 2022 – **Back to Original Meeting Location**
CNRA Building, 2-221 Conference Room Block
715 P St, Sacramento, CA
 - Featuring presentations from:
 - Wildfire and Forest Resilience Task Force
 - Update on the Task Force.
 - Northern California Prescribed Fire Council
 - Claims Fund for Prescribed Fire and California State-Certified Burn Boss Program.
- To view the entire list of upcoming presenters, visit:
[Wildfire Mitigation Advisory Committee \(ca.gov\)](https://www.ca.gov/wildfire-mitigation-advisory-committee)



Upcoming Meeting Dates for 2022

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

- Nov 15, 2022
 - Featuring presentations from:
 - Board of Forestry
 - 0–5-foot Zone 0 Regulations
 - Fire Risk Reduction Community list
 - Fire Safe Regulations
 - CAL FIRE Programs Presentations
 - Damage Inspection, CALMAPPER, and Subdivision Review Program Overview
 - University of California Cooperative Extension (UCCE)
 - UCCE Fire Advisor Program
- Dec 20, 2022
 - Featuring presentations from:
 - CAL FIRE Programs Presentations
 - Fire Hazard Severity Zones Update and Online Burn Permits Update



Roundtable / Public Comment

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

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.
- 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.

