



CAL FIRE

Office of the State Fire Marshal

Wildfire Mitigation Advisory Committee Meeting

June 21, 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, or their designee
 - **Daniel Berlant**
- The Director of the Department of Forestry and Fire Protection, or their designee
 - **Curtis Brown**
- The Director of the Department of Conservation, or their designee
 - **Keali'i Bright**
- The Director of the Office of Energy Infrastructure Safety, or their designee
 - **Caroline Thomas Jacobs or Sandy Cooney**
- The chair of the State Board of Forestry and Fire Protection, or their designee
 - **J. Lopez**
- The Director of Emergency Services, or their designee
 - **Ryan Buras or Robert Troy**
- The Insurance Commissioner, or their designee
 - **Deborah Halberstadt or Mike Peterson**
- The Director of State Planning and Research, or their designee
 - **Clay Kerchof**
- A representative from the California Fire Safe Council
 - **Jessica Martinez**

(Continued on Next Slide)



Roll Call / Quorum Established

- A representative from the insurance industry or an insurance research organization
 - **Roy Wright**
- A local fire service representative
 - **Ray Gayk**
- A representative from the building industry
 - **Christopher E. Ochoa or Nick Cammarota**
- A representative from the University of California Cooperative Extension
 - **Lenya N. Quinn-Davidson**
- A representative from the California Fire Science Consortium
 - **Yana Valachovic**
- A representative from the Department of Housing and Community Development
 - **Maziar Movassaghi**
- A representative from the Rural County Representatives of California
 - **Staci Heaton**
- A representative from the California Association of Resource Conservation Districts
 - **Karen Buhr**
- A representative from the League of California Cities
 - **Sean McGlynn**
- A representative from the 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, May 17, 2022** *Posted June 2, 2022*



Committee Members Present

Mike Richwine, State Fire Marshal
Keali'i Bright, Department of Conservation
Caroline Thomas Jacobs, Office of Energy Infrastructure Safety
J. Lopez, State Board of Forestry and Fire Protection
Robert Troy, California Office of Emergency Services
Deborah Halberstadt, California Department of Insurance (Virtual)
Clay Kerchof, State Planning and Research
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)
Nick Cammarota, California Building Industry Association
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)
Sean McGlynn, League of California Cities
Don Hankins, Professor, CSU Chico (Virtual)

Members Absent

Department of Forestry and Fire Protection
Rural County Representatives of California
California Association of Resource Conservation Districts
California State Association of Counties

CAL FIRE Staff in Attendance

Wendy Collins, Assistant State Fire Marshal (Virtual)
Daniel Berlant, Deputy Director
Steve Hawks, Acting Assistant Deputy Director
Frank Bigelow, Staff Chief
Jim McDougald, Staff Chief
Chris Keithley, Chief FRAP Program
Dave Sapsis, Supervisory Senior Environmental Scientist
Matt Damon, Deputy Chief, Land Use Planning Program (Virtual)
John Morgan, Deputy Chief, Wildfire Preparedness (Virtual)
Scott Witt, Deputy Chief, Pre-Fire Planning
Jamie Sammut, Staff Counsel
Jourdan Shuluk, EEO DEI Associate Governmental Program Analyst
Crystal Sujeski, Deputy State Fire Marshal - Code Development and Analysis (Virtual)
Kara Garrett, Associate Governmental Program Analyst



Approval of Past Meeting Minutes – Motion Required

1. CALL TO ORDER 1:01 PM

A. Welcome

Mike Richwine

The meeting was called to order at 1:01 PM by Mike Richwine.

B. Roll Call – Kara Garrett

Quorum Established with sixteen committee members present, seven of which attending virtually.

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

Motion:	J. Lopez moved to accept the meeting agenda as amended, Maziar Movassaghi seconded the motion.
Action:	All members voted to unanimously to approve the motion.

D. Agenda Review (Motion Required) – Mike Richwine

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

2. OLD BUSINESS

Daniel Berlant / Steve Hawks

A. Risk Modeling

- a. Discussed PRC 4204.1
 - i. Review and ensure your agency is listed. Submit letters of recommendations to Kara by May 31st.
- b. Letter Template and PRC 4204.1 to be sent with the meeting minutes.

B. Draft Charter (Motion Required)

- a. Reviewed charter to see if the WMAC (parent committee of the Risk Modeling Advisory Committee) has feedback on the draft. The final version will be created in the Risk Modeling Advisory workgroup itself; this is not the final version. This is to be moved forward to be heard at the first and possibly the second Risk Modeling workgroup meeting so the group can make necessary adjustments at that time.
- b. The verbiage is taken directly out of the Public Resource Code 4204.1.
- c. Objectives are also directly out of Public Resource Code 4204.1.
- d. Meeting schedule is open as it will be to the Risk Modeling Advisory workgroup's discretion on how often they will meet.
- e. We are still doing research on Bagley-Keene requirements for this meeting, until we receive confirmation, we will need to follow the Bagley-Keene requirements due to this being listed as a risk modeling "workgroup" not a committee.
 - i. Question: Thomas Jacobs:
 1. In terms of the objectives, are they in statute?
 2. As a part of their wildfire mitigation advisory plan, they created a workgroup on how the utilities do risk modeling and this is a great companion effort. Is there an opportunity to incorporate a broader



Approval of Past Meeting Minutes – Motion Required

- base? This workgroup is creating the same product that they are working on.
3. Richwine: We can add members.
 4. Wright: Would hope that the mandate is clear that they must reach out to a whole set of private sector expertise to bring into conversations through any means.
 5. Berlant: There are subject matter experts that are not in this group. The plan for the committee is to bring in other subject matter experts. Possibly not necessarily as formal members of the workgroup but to be a player in the conversation. Would also note that if the committee wanted to, we could easily add to it.
 6. Thomas Jacobs: best to add an additional bullet to provide a broader explanation "to provide a list of other industry risk models and their modeling components".
- ii. Question: Deborah Halberstadt:
1. Would be helpful to have more time to review before it goes to a motion.
 2. Goals and objectives language regarding the group acting as an advising body to CAL FIRE - Office of the State Fire Marshal (OSFM) and the dept of Insurance. The way legislation was drafted, this is in consultation to CDI and CAL FIRE – OSFM. Proposing to amend this language to more precisely reflect what the legislation says.

Motion:	Robert Troy moved to accept the meeting agenda as amended, Sean McGlynn seconded the motion.
Action:	All members voted to unanimously approve the motion.

C. Division Reports

Daniel Berlant / Steve Hawks

- a. If there are specific programs or projects that you would like to dive into that we cover in this portion, let us know so we can expand on details.
- b. Wildfire Risk Reduction Programs:
 - i. Defensible Space Program
 1. 63,405 completed for defensible space inspections to date.
 2. Were able to augment staffing to now keep Defensible Space Inspectors for a full nine months versus the original three months to work with now permanent Forestry Technicians with AB 38 funding.
 3. Completed curriculum development required by SB 190 and will reach nearly 115 inspectors in the Spring of 2022. Has also been taken to local government agencies. Will be rolling this through the State Fire Training platform in the coming weeks.
 4. Creating a common reporting platform for data collection.
 5. Defensible Space Self-Assessment tool:
<https://survey123.arcgis.com/share/77d52e2c982e480990320eb5bd53f5fc?portalUrl=https://CALFIRE-Forestry.maps.arcgis.com>
 - ii. Home Hardening Program



Approval of Past Meeting Minutes – Motion Required

1. For Home Hardening, working with Cal OES to develop the foundation for the California Wildfire Mitigation Financial Assistance Program. Direct financial assistance program to the homeowners after their Fire Safe Council/Community is accepted in the program. The pilot communities were based on a risk analysis that determined fire hazard and vulnerable criteria. Not a competitive process at this time. Three communities are Delzura, Whitmore, and Kelseyville Riviera.
2. Modeled after the Earthquake Brace + Bolt (EBB) program.
3. For the three pilot counties, the benefit of having these is we can tailor the program we are developing to see the difference between a County and a Resource Conservation District working with the program and what each of the benefits will be.
- iii. Damage Inspection Program:
 1. We are at a total of 33 damaged and destroyed structures to date.
- iv. Burn Permit Program:
 1. Staff continue working on automating all Department burn permits. Collaboration with CAL FIRE Unit staff and California Air Resources Board (CARB) will ensure the process will function as designed and be able to share prescribed fire data with CARB. The goal is to increase the ease with which the public can obtain a burn permit (online), streamline the process, create an electronic geospatial database, and allow for better reporting and to meet the requirement for AB 642. We anticipate a trial release in late May 2022.
- v. Utility Wildfire Mitigation Program:
 1. Continue to assist the Office of Energy Infrastructure Safety (OEIS) in the review of the wildfire mitigation plans for the three large Investor-Owned Utilities (PG&E, SDG&E, SCE). The CAL FIRE review team consists of subject matters experts from across the department (Forest Practice, Fire Protection, Intel, Climate & Energy, and FRAP).
 2. Remaining Small Multi-Jurisdictional Utilities (Bear Valley, Liberty, PacifiCorp) and Independent Transmission Operators (Horizon West and Transbay Cable) wildfire mitigation plan reviews began on May 6, 2022.
 3. Began cross-training DSI inspectors on PRC4292 (pole clearances) and PRC4293 (conductor clearances) regulations during the statewide defensible space training. This includes utilizing the Field Maps application for field collecting violations and exporting violations onto LE-38a forms.
 4. Finalized the update to the Powerline Equipment Identification Pocket Guide in coordination with IOU's, which is a ready-reference tool for identifying power line equipment in the field and is a companion to the Full Powerline Fire Prevention Field Guide.
 5. Participating as a planner and observer of all six of the Investor-Owned Utilities table-top and full-scale PSPS exercises in preparation for 2022 PSPS season.
- c. Wildfire Planning and Statistics Programs:
 - i. Pre-Fire Planning Program:



Approval of Past Meeting Minutes – Motion Required

1. Fire Hazard Severity Zone Scientific and pilot reviews started April 26, 2022 to validate the model.
 2. Programs reporting into the CalMAPPER database undergoing scheduled "Quality Assurance/Quality Control" review as part of routine data-scrubbing activities.
 3. Work continues to develop a mobile application for collecting fuels reduction project activities to streamline fuels reduction data collection into CalMAPPER.
 4. Unit Fire Plan updates were submitted to Regions for review and will be updated on the program's website in the next few months.
- ii. California Incident Data and Statistics Program:
1. Department staff is starting the 2021 wildfire data validation process.
 2. Once complete, CalStats staff will complete the 2021 Redbook. Although it contains other information, this report is primarily a statistical record of wildfire incidents responded to by CAL FIRE personnel and resources, performing the State/CAL FIRE mission, using State funding within CAL FIRE's Direct Protection Area.
- a. Community Wildfire Mitigation Assistance Programs:
- i. Land Use Planning Program:
1. Still numerous Safety Element Assessments moving forward statewide, but no presentations this month.
 2. Working on filling some staffing vacancies in Sacramento.
 3. Fire Safe Regulations: Currently out for 15-day review.
 4. Subdivision Review: Identified 1,800 communities that have limited ingress and egress, charged with going out to the communities to make a report to be reviewed by the unit and local jurisdiction. Of those reviewed, 816 have had assessments completed, 666 of the reports have been completed and sent to the board and the board has posted 595 of those on their website. Numerous Cities and Counties in progress now, recent activity in Placer County and San Diego County will be presented in the coming months.
 5. Firewise USA: 513 communities in good standing, more than 250 in progress. Staff are fielding lots of inquiries statewide.
 6. Staff are engaged in numerous other ongoing activities including: OSFM Statutes and Regulations Class, OPR Best Practices Inventory, Training for Local Planners and FHSZ.
- b. Wildfire Prevention Grants:
- i. Will announce the awards around June 1st.
 - ii. The Wildfire Prevention Grants open solicitation for grant applications closed on February 9, 2022.
 - iii. The Department received 240 applications for nearly \$241.5 million, with up to \$120 million in available funding. Applications are still in the review process with award announcement anticipated for early June 2022.
- c. Any questions or would anyone like to flag any of our programs for discussion?
- i. Clay Kerchoff:
1. Is there an intent for the wildfire mitigation program to work with FEMA hazard mitigation programs?



Approval of Past Meeting Minutes – Motion Required

2. Berlant: Cal OES and CAL FIRE continue working with FEMA to resolve federal NEPA environmental and historical preservation requirements.

3. NEW BUSINESS

Daniel Berlant / Steve Hawks

- A. Fire Hazard Severity Zones – Daniel Berlant / Steve Hawks
 - a. Have been working on this remap for six plus years.
 - b. Currently doing a peer review process and working with four pilot counties to see if the model outputs make sense and if the data is accurate.
 - c. Remap Objectives:
 - i. Update the scientific factors that determine the hazard ratings including new local climate data and improved fire spread modeling.
 - ii. Provide opportunity for validation in the modeling
 - iii. Publish approved State Responsibility Area map
 - iv. Publish and submit Local Responsibility Area maps
 - d. What are the Zones?
 - i. The maps are required by law
 - ii. Identify levels of fire hazard
 1. 3 levels (Moderate, High, & Very High)
 - iii. Risk versus hazard – we are mapping hazards.
 - iv. Urban and agriculture areas that do not meet the level of hazard will not appear on the map.
 - e. How are the Zones determined?
 - i. Developed using a science-based model that assigns a hazard score based on the factors that influence fire likelihood and fire behavior.
 - ii. Factors: fire history, vegetation, topography, climate, ember production and movement
 1. Question:
 - o Caroline Thomas Jacobs:
Behavior verses Movement – can you explain more about what that means in this context?
 - o Hazard is a physical condition that can lead to damage. A risk is an estimate of the interaction of that hazard with things that we care about. The likelihood and consequence are risk. You cannot have an impact from an event that does not occur to generate value change. Two main building blocks of hazard here are likelihood and magnitude and are categorized by burn probability and fire behavior.
 - o What is behavior?
 - o It is fire intensity. The amount of energy being released.
 - f. New updates:
 - i. Updated burn probabilities for wildland areas (inclusive of 2020 fires)
 - ii. Updated fire environment footprints (urban/developed)
 - iii. Updated Vegetation density for urban areas
 - iv. Inclusion of slope in the urban zoning model
 - v. Localized fire weather used in both wildland and urban models: Modeling urban hazard using slope, vegetation density, and the number of embers being deposited on that area.



Approval of Past Meeting Minutes – Motion Required

1. Question: Roy Wright – So we are not including structures as a source of fuel?
 - o No, the reason we is because we do not know which ones ignite. There is research being done on structure density, there are structures that are so likely to lead to house to house spread with structures being so close together.
 - o As these are rolled out, it will be interesting how this component is not included.
 - o There are models out there that take this into consideration, but they are not functional. They are based on computational fluid dynamics that it takes super computers long periods of time to run one block.
 - o This is going out for science peer review to focus the research on and how we would improve structural fuels and how we factor them in the model.
2. Question: Don Hankins – The scenario that the models are running this, is it “camp” fire type winds or is it something more typical?
 - o The weather inputs that we use are run through two different filters. Our climate analysis looks at hourly data over sixteen years and seasonal filtration. Take what the 10% of driest days of the entire record and from that determine 5% most severe fire weather hours. It is severe fire weather that we are calculating.
3. Question: Yana – Would like to underscore that structures are fuel. Also do not know if vegetation will get ignited either. Updated burn probabilities for wildland areas – how was this calculated?
 - o At some point we have a full suite of methodological details and is currently in peer review and unit level review.
 - o We used the same modeling as 2007 which is fire rotation. We look at that data and look at the last 30 years of fire history at the amount of area that burns per year. Back cast based on an average burn rate based on the duration.
4. Question: Caroline – It does seem like an important component that urban density is included to add in the homes in the calculation. For the impact when these will be coming out, utilities use these based on their outputs on these maps. Could have an impact on the ways utilizes determine their risk and would be important to get this to the stakeholder group. In terms of the inputs for the model, what is the ignition of this model? What is the trigger of the ignition and is it inclusive of potential utility ignition?
 - o All ignition sources that contributed to the last 30 years are inclusive. No specific relationship to this as there is not a discrete ignition component. Where is it low relative to where it is high.
 - o New firebrand production and transport model using discrete local wind vector distributions.

g. Wildland vs. Non-wildland Zones



Approval of Past Meeting Minutes – Motion Required

- i. Zones are areas ≥ 200 acres with relatively homogeneous slope and vegetation
 - ii. Hazard map is produced at 30 m resolution
 - iii. Scores are averaged within a zone
 - iv. Wildland is scored independently of urban and agricultural
 - v. Urban zones scored using additional model steps
 - h. Wildland FHSZ
 - i. Burn probability
 - ii. Based on fire occurrence from 1991-2020
 - iii. Fire intensity
 - iv. Vegetation type (potential; does not account for fuel treatments)
 - v. Slope
 - vi. Local fire weather – how hot/dry/windy are the worst conditions at a given location (based on 2 km data from 2003-2018)
 - 1. Question: Roy Wright – Are we providing the background material and the datasets or only providing the GIS map?
 - o We gave the science peer review group all of our data and information.
 - o There is some sequencing of the data that will occur. SRA at the unit level and LRA after.
 - o We have not discussed in detail; we do not have anything to hide. We will acknowledge things that might not show on a certain data layer but the data behind it we will need to figure out the timing due to drafts that could be adjusted based on feedback and adjustments that need to be made.
 - o Advise is to make this plain and put it out in an open-source way.
 - i. Urban FHSZ
 - i. Based on distance to wildland and hazard level of adjacent wildland
 - ii. Ember production based on vegetation type and fire weather
 - iii. Ember transport based on wind speed/direction observed under the most extreme fire weather at a given location
 - iv. Width of moderate, high, and very high bands in urban based on ember load, urban tree cover and slope
 - v. All unclassified SRA → Moderate
 - 1. Yana:
 - o Possibly look at ignition potential to take this into consideration.
 - j. Skipped ahead to Adoption Section (will continue as old business at our next meeting):
 - i. Adoption Process:
 - 1. SRA
 - o Peer Review (Scientific & Operational Pilots) - NOW
 - o Unit / CC Review - July
 - o Public Hearings in Each County - Fall
 - o Adoption through Regulation – Jan 1, 2023
 - 2. LRA

Approval of Past Meeting Minutes – Motion Required

- Draft map presented to local jurisdiction and receives local validation – Starting in Fall
- Final draft submitted to governing body
- City / County has 30 days to set public comment and 120 to adopt through ordinance
- Local jurisdiction can add area not identified

3. Timeline:

- Current maps were developed in 2007-2010.
- Over the past several years staff have been building the new science model.
- Summer 2022 – Adopt map in State Responsibility Areas (SRA) into regulations.
- Fall 2022 – Begin Local Responsibility Area (LRA) remap

B. Wildfire Prevention Grants Program – Daniel Berlant / Steve Hawks

- a. Pushed to the next meeting.

4. ROUNDTABLE

Mike Richwine

- A. Topic Suggestions for Next Meetings – Link to Google Forms Suggestion Portal will be posted on our website. <https://forms.gle/Wefq6YnmUGYS8ua9>

5. PUBLIC COMMENT

Mike Richwine

- A. No public comment.

6. UPCOMING MEETING DATES FOR 2022

Mike Richwine

- A. Third Tuesday of each month starting at 1 PM and ending at 3 PM.
- B. Next meeting is June 21, 2022.

7. MEETING ADJOURNED 2:58 PM

Mike Richwine



Agenda Review – Motion Required

WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING

Meeting Agenda – Tuesday, June 21, 2022, 1:00 PM – 3:00 PM
Posted June 10, 2022



Location:
CNRA Building, 715 P Street, 2nd 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=dnZYaUhXVFliUTFmT21nMzJYYVlxQT09>

Passcode: 462073

Committee Member Locations (Virtual):

- Clay Kerchof – Office of Planning and Research
 - 2301 L St. NW, Washington DC, 20037
- Jessica Martinez – California Fire Safe Council
 - 3237 Peacekeeper Way, Suite 201, McClellan, CA 95652

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|---------------------------------------------------------------------|-----------------------|
| 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) Draft Charter Updates | |
| B. Division Report | |
| C. Fire Hazard Severity Zones | |
| 3. NEW BUSINESS | Daniel Berlant |
| A. Wildfire Prevention Grants Program | |
| B. IBHS Wildfire Prepared Home Presentation | |
| C. CDI Safer from Wildfires Presentation | |
| 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 July 19, 2022 | |
| 7. MEETING ADJOURNMENT (Motion Required) | Mike Richwine |



Old / New Business

- Old Business
 - A. Risk Modeling
 - 1) Draft Charter Update
 - 2) Division Report
 - 3) Fire Hazard Severity Zones
- New Business
 - A. Wildfire Prevention Grants
 - B. IBHS Wildfire Prepared Home Presentation
 - C. CDI Safer from Wildfires Presentation

Risk Modeling – Draft Charter

- Draft voted to move forward on 5/17 will be revised at the first Risk Modeling Advisory Workgroup meeting.
- No updates as of yet.
- Draft copies available on WMAC website for review

<https://osfm.fire.ca.gov/boards-committees/wildfire-mitigation-advisory-committee/>



Risk Modeling – Letters of Nomination

- Submit pending letters of nomination by Friday, June 24 to allow for Advisory Group to be selected and meet for the first time in July.

(Applicant needs to put Application Letter on their appropriate entities letterhead)

DATE

Mike Richwine
State Fire Marshal
715 P St, Sacramento, CA 95814
(916) 201-5539

Dear State Fire Marshal Richwine:

I am writing to apply to appoint (Employee Name) to the risk Modeling Advisory Workgroup of the Wildfire Mitigation Advisory Committee. I am confident that their skills are well-aligned with what is being discussed in this subcommittee and would be a key member of this group.

Their current role as (ROLE) with (AGENCY/COMPANY) allows them to understand and model wildfire risk for a community and specific parcels within the local responsibility area or state responsibility area through the input of mitigating factors.

Sincerely,

NAME
TITLE
AGENCY/COMPANY

Send nomination letters to Kara at: kara.garrett@fire.ca.gov



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 Planning and Risk Reduction Update

- **Wildfire Preparedness**

- Defensible Space:
 - 80+ thousand DSpace inspections complete 17 thousand ahead of last year due to increased funding and permanent staffing.
- Home Hardening:
 - New Home Hardening AC Dennis O'Neil.
- Damage Inspection:
 - First Damage Inspector Manager (DINM) class was taught June 1st. More classes to come in the near future.
 - New Defensible Space AC Heather McCulley.
- Burn Permits:
 - Online burn permit application and web interface out to select Units for user acceptance testing.



Division Report

Wildfire Planning and Risk Reduction Update

- **Utility Wildfire Mitigation**

- Completed Powerline Fire Prevention training with Defensible Space Inspectors during the statewide DSI training. Idea being to cross-train them on how to spot and report powerline hazards related PRC 4292 (pole clearance) and PRC 4293 (conductor clearance) during defensible space inspections.
- In coordination with the IOU's updated the Powerline Fire Prevention Pocket Guide, which contains photographs of powerline equipment used by Utilities and CAL FIRE in identifying exempt and non-exempt equipment. The document is at the print phase currently.
- Continue to assist The Office of Energy Infrastructure Safety with the 2022 Wildfire Mitigation Plan Reviews for the Investor-Owned Utilities (IOU).
- 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 –Fire Hazard Severity Zone 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 Statewide SRA maps will be created by the end of June with an anticipated statewide unit review beginning July 5th, units will have a month to complete this review.
- Completed Unit Fire Plans are being reviewed at the Region level.
- 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.



Division Report

Community Wildfire Mitigation Assistance Program

- **Land Use Planning**
 - Land Use Planning/Safety Elements:
 - Still numerous Safety Element Assessments (SEA) moving forward statewide, two SEAs presented at June meeting, several more likely in July.
 - Working on filling some staffing vacancies in Sacramento.
 - Fire Safe Regulations:
 - Look forward to see the process moving forward.
 - Subdivision Review:
 - Numerous Cities and Counties in progress now, recent activity in San Diego County, amongst others, will be presented in the coming months.

(Continued on Next Slide)



Division Report

Community Wildfire Mitigation Assistance Program

- **Land Use Planning**
 - Firewise USA:
 - 525 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 FHSZ map update.



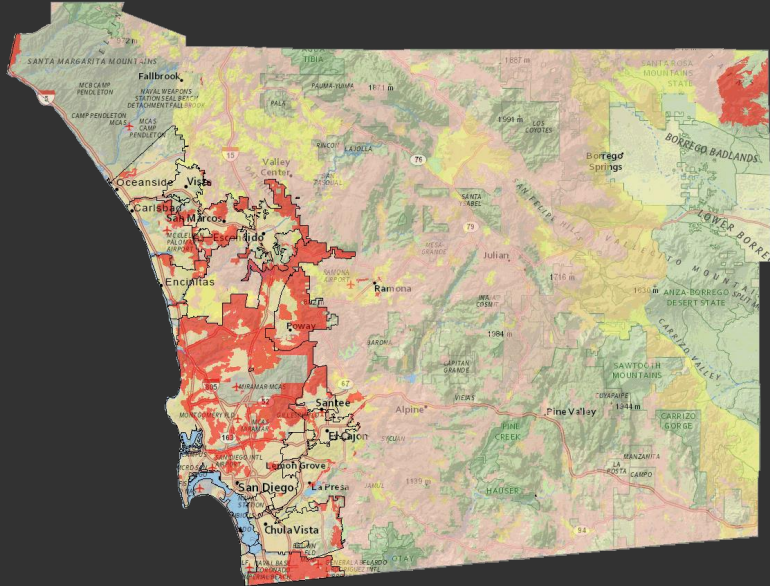
Division Report

Community Wildfire Mitigation Assistance Program

- **Wildfire Prevention Grants**
 - On June 1st, we announced that 144 applications for nearly \$118 million in Wildfire Prevention Grants has been awarded for FY 2021/22.
 - GMU will begin to work with the awardees to establish the grant agreements.



Fire Hazard Severity Zones



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Fire Hazard Severity Zones



Adoption Process:

SRA

- Peer Review (Scientific & Operational Pilots) - **NOW**
- Unit / CC Review - **July**
- Public Hearings in Each County - **Fall**
- Adoption through Regulation – **Jan 1, 2023**



Fire Hazard Severity Zones



Adoption Process:



LRA

- ▶ Draft map presented to local jurisdiction and receives local validation – **Starting in Fall**
- ▶ Final draft submitted to governing body
- ▶ City / County has 30 days to set public comment and 120 to adopt through ordinance
- ▶ Local jurisdiction can add area not identified

Fire Hazard Severity Zones



Timeline:

- ▶ Current maps were developed in 2007-2010.
- ▶ Over the past several years staff have been building the new science model.
- ▶ Summer 2022 – Adopt map in State Responsibility Areas (SRA) into regulations.
- ▶ Fall 2022 – Begin Local Responsibility Area (LRA) remap

Wildfire Prevention Grants Program



Wildfire Prevention Grants Program

- Funds fire prevention projects in and near fire threatened communities that focuses on increasing the protection of people, structures, and communities ([PRC 4124.5](#))
- Benefit to defined “Low-Income” and “Disadvantaged Communities”
- Qualifying Project Types
 - Hazardous Fuel Reduction
 - Wildfire Prevention Planning
 - Wildfire Prevention Education



Wildfire Prevention Grants Program

- Eligible Entities
 - State Agencies
 - Federal Agencies
 - Native American Tribes
 - Joint Powers Authority if entities involved are eligible applicants
 - Local agencies, including:
 - City, county, or city and county
 - Fire protection district
 - Community services districts
 - Water districts
 - Resource conservation districts
 - Special districts
 - Certified Community Conservation Corps
 - Fire Safe Councils and other nonprofit organizations with a 501(c)3 designation



Wildfire Prevention Grants Program

- Grant Funding Availability
 - FY 2020-21 \$123 million + \$14.8 million
 - FY 2021-22 \$118 million
 - FY 2022-23 \$115 million in Governor's Proposed Budget
 - FY 2023-24 \$117 million in Governor's Proposed Budget
 - Funding through FY 2028-29 (\$165 million to CAL FIRE)



Review, Announcement, & Agreement Process

- Grant Application Process
 - Application
 - Scope of Work
 - Budget Sheet
 - Articles of Incorporation (AOI)
 - Board Resolution
 - Various state forms
 - Mapping component using online Esri webmap
- Open solicitation process is 2 months

Step 2: Draw the Project Areas and Geo Point

Geo Point - Center of the project

Project Acres- The Project Influence Zone (PIZ) is the broad geographic area encompassing the neighborhoods or communities that the grant proposal is designed to protect with fuel reductions, public education, or planning activities. This can be the sum of all treatment areas or could include a buffer area around the planning / public education target. Please keep the PIZ from encompassing an overly large area, unless benefits are clearly defined in the Scope-of-Work.

Treatment Acres--Treatments are areas within a PIZ, where on-the-ground activities are accomplished (e.g. hazard fuel reductions, shaded fuel breaks, masticating, etc.). There can be multiple discrete Treatment areas associated with a PIZ. Some projects (e.g., Planning & Public Education) may NOT have treatment areas.

Step 1: Select your Project Tracking Number

Select your project number from the drop-down list and click apply.
If you do not see your project number please hit reset to reload the list.

Apply Reset

Descriptions

For Fuel Reduction and Planning projects please draw Geo Point and polygons (PIZ and TIZ).

For Education projects, please draw the Geo Point only.
Do not draw PIZ and TIZ for Education projects.

Step 2: Add Project Areas

Click on an option below before drawing the features on the map.

- Geo Point - Center of the Project
- Create Geo Point
- Treatment Influence Zone (TIZ)
- Create TIZ Area
- Project Influence Zone (PIZ)
- Create PIZ Area

Esri

Review, Announcement, & Agreement Process

Review, Announcement, and Agreement Process

- Grants Management Unit: 2 weeks
- Units/Contract Counties: 4 weeks
- Region: 4 weeks
- Sacramento: 1 week
- Executive Review: 1 day
- Award Announcement: June 1, 2022
- Grant Agreements: 4 months

Review, Announcement, & Agreement Process

Review, Announcement, and Agreement Process

- Align with CAL FIRE Unit/Contract County Fire Plans
- Coordination with other grant opportunities through
 - California Fire Safe Council Grants
 - Cal OES FEM Hazard Mitigation Grant Program
 - Housing and Community Development Federal HUD Grants
 - Others?
- Contact us at FPGrants@fire.ca.gov
 - Northern Region CNRgrants@fire.ca.gov
 - Southern Region SouthernRegionGrantsProgram@fire.ca.gov




WILDFIRE PREPARED

— A PROGRAM OF IBHS —



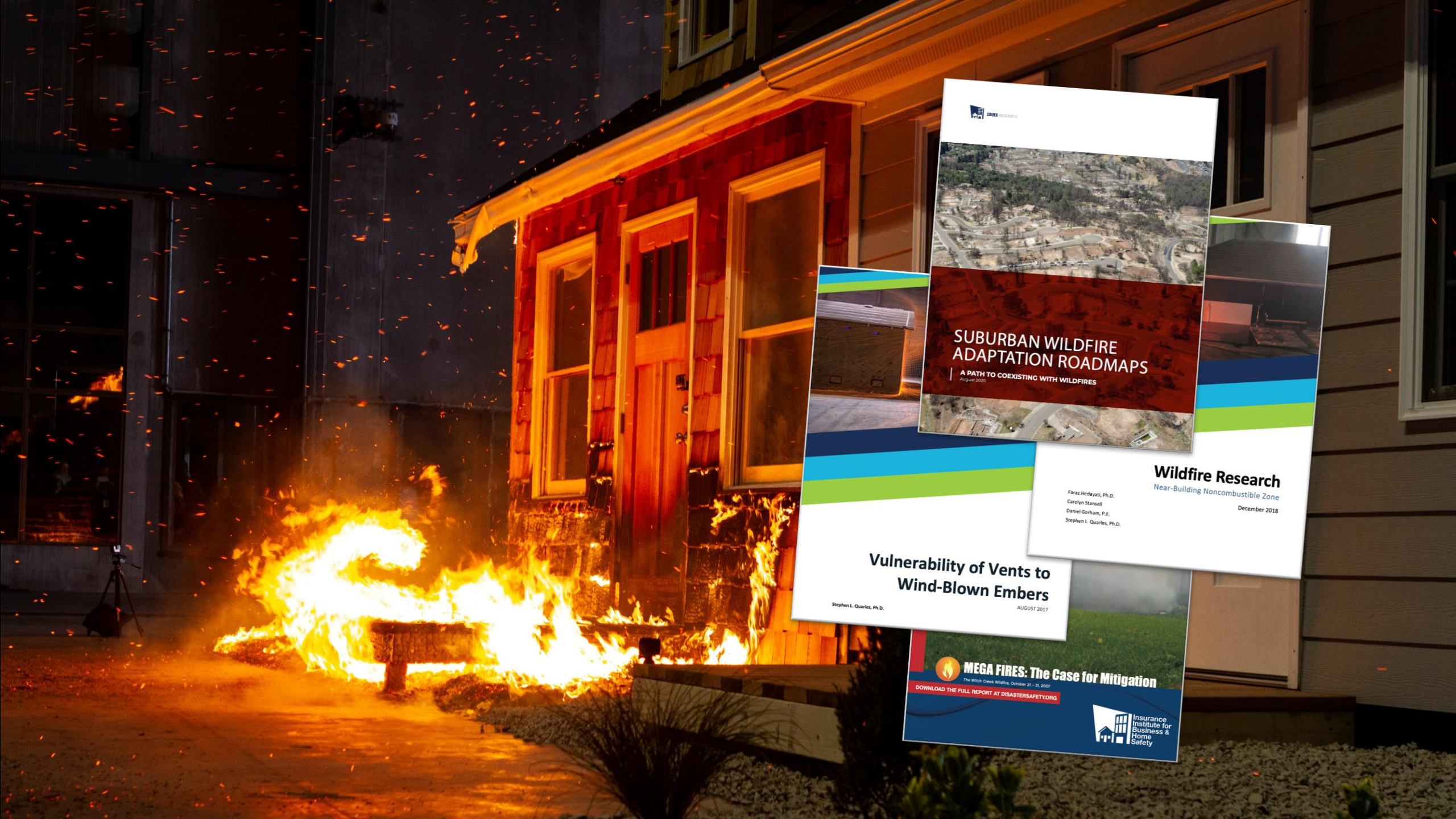
Insurance Institute for
Business & Home Safety



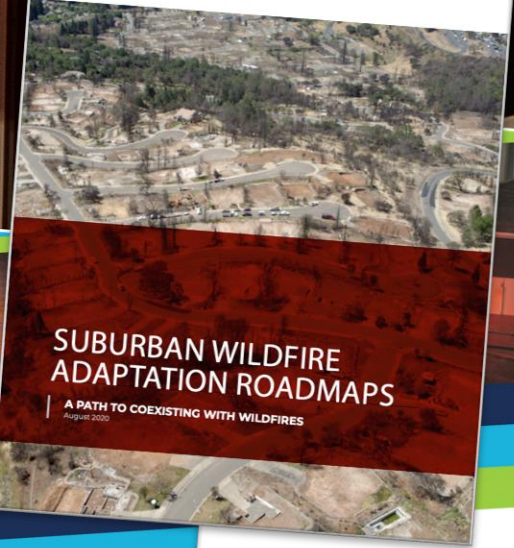
An aerial photograph of a residential neighborhood. In the center, there is a large, prominent pile of rubble and debris, likely the remains of a destroyed house. The surrounding houses are mostly intact but appear somewhat somber due to the overcast sky and the presence of the rubble. The trees are mostly evergreens, but some have lost their needles, suggesting a recent wildfire. The overall tone is dark and somber.

Growing
impacts of
wildfire demand
a solution.

PARCEL + COMMUNITY



EDRS RESEARCH



SUBURBAN WILDFIRE ADAPTATION ROADMAPS

A PATH TO COEXISTING WITH WILDFIRES
August 2016

Wildfire Research
Near-Building Noncombustible Zone
December 2018

Faraz Hedayati, Ph.D.
Carolyn Stansell
Daniel Gorham, P.E.
Stephen L. Quarles, Ph.D.

Vulnerability of Vents to Wind-Blown Embers

Stephen L. Quarles, Ph.D.

AUGUST 2017


MEGA FIRES: The Case for Mitigation

The Witch Creek Wildfire, October 21 - 24, 2007

DOWNLOAD THE FULL REPORT AT DISASTERSAFETY.ORG



Insurance
Institute for
Business &
Home
Safety



WILDFIRE PREPARED HOME - BUILDING FEATURES

- ✓ Install ember- & flame-resistant vents
- ✓ Ensure 6-inch vertical noncombustible clearance at base of wall

WILDFIRE PREPARED HOME - ROOF

- ✓ Choose a Class A fire-rated roof maintained clear of debris
- ✓ Choose noncombustible gutters & downspouts

WILDFIRE PREPARED HOME + PLUS

ADDITIONAL MITIGATION

- ✓ Remove back-to-back fencing
- ✓ Eliminate combustible siding
- ✓ Enclose eaves
- ✓ Enclose under bay windows
- ✓ Upgrade to a wildfire-resistant deck
- ✓ Upgrade windows & doors
- ✓ Cover gutters
- ✓ Move outbuildings at least 30 feet away

WILDFIRE PREPARED HOME - DEFENSIBLE SPACE

- ✓ Create & maintain the home ignition zone (0-5 ft) including the removal of branches that overhang this area
- ✓ Clear & maintain the underdeck area; enclose low-elevation decks
- ✓ Maintain yard clear of debris
- ✓ Replace combustible fencing within 5 ft of the home

**WILDFIRE
PREPARED**
— A PROGRAM OF IBHS —

Designation Process

Initial Process

Explore the Homeowner Guide

Take the Free Online Home Assessment

Apply for Designation & Pay

Inspection

IBHS QA & Designation

Ongoing Process

Annual Landscape Review

Re-Designation



Wildfire Prepared Home™ Free Online Home Assessment

Ready to take the Wildfire Prepared Home™ free online assessment?

Let's go over a few things before you get started.

While this assessment is free, you will have to pay a fee later when you apply for a designation. The purpose of this assessment is to ensure you have first reviewed the Homeowners Guide and taken all the steps necessary for your home to meet **all of the requirements** of this program. Based on your answers to this assessment, we'll let you know if we think you're ready to apply for a designation.

Wildfire Prepared Home™

This section reviews the requirements to qualify for a Wildfire Prepared Home™ Designation.

For questions that do not apply to your home (for example, if you are asked a question about a deck and you do not have a deck) select **Yes**.

Eligibility

1. Is Your Home Located in California?

- Yes
 No

Thanks for taking the Wildfire Prepared Home™ free online assessment!

Based on your responses, **your home may qualify** for the Wildfire Prepared Home Plus™ designation. Visit the application page to get started.

View Result

4. Have you cleaned your roof to remove debris?

- Yes

Eligibility

Roof

Building Features

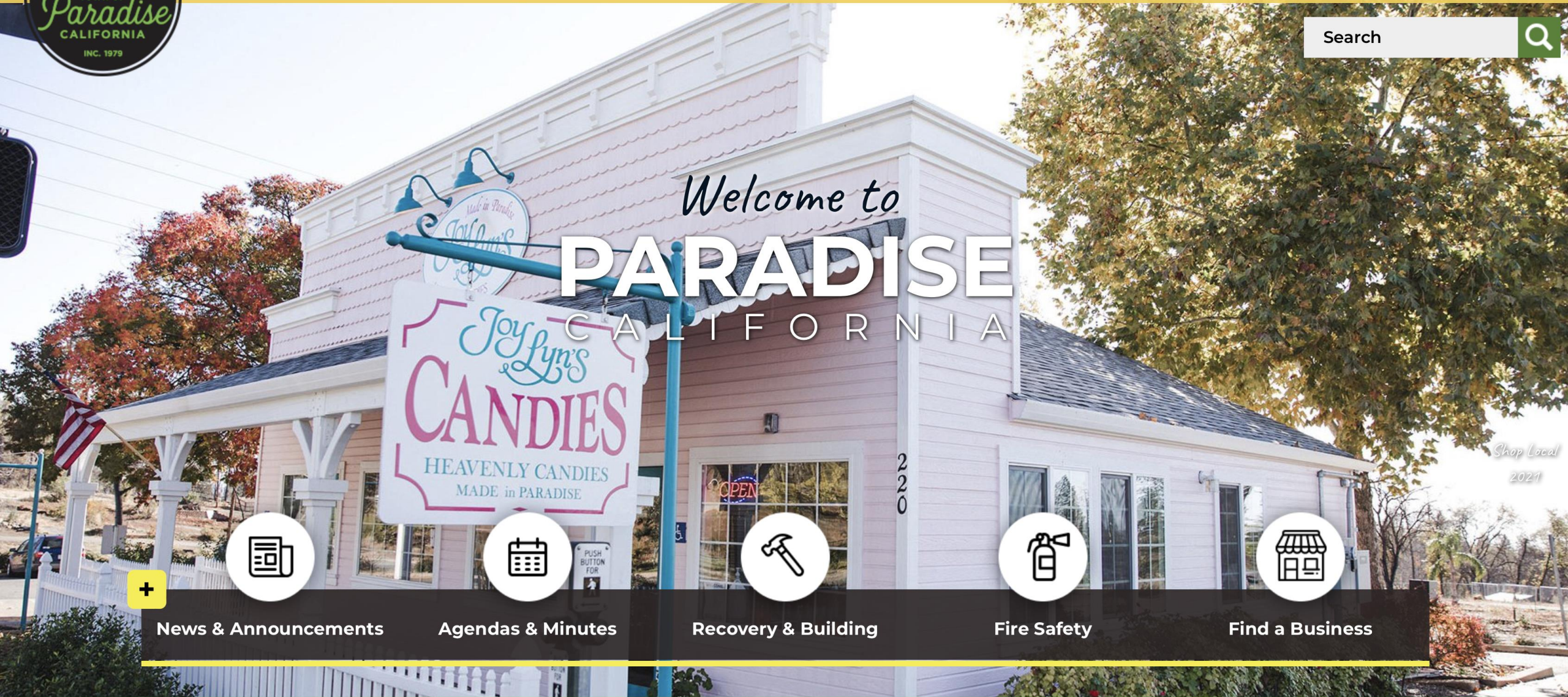
Defensible Space

- Decks or Covered Porches
- Decks or Porches 4 feet or less above the ground
- Attached Decks with an additional structure
- Detached Decks
- Home Ignition Zone (HIZ)
- Landscaping
- Fences
- Accessory Structures & Outbuildings

Wildfire Prepared Home Plus Designation



Search



Shop Local
2021



News & Announcements



Agendas & Minutes



Recovery & Building



Fire Safety



Find a Business





 DisasterSafety
 wildfireprepared.org



California Department of Insurance (CDI)

- Deborah Halberstadt
 - Safer from Wildfires Presentation



Roundtable / Public Comment

- Roundtable
 - Topic Suggestions for Next Meetings
<https://forms.gle/Wefg6YnrnUGYS8ua9>
- Presenter Sign Up Sheet
- 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.

- Jul 19, 2022
- Aug 16, 2022
- 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.
- 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.

