



- AIA Los Angeles
- AIA Pasadena & Foothill
- San Fernando Valley
- Long Beach/South
  Bay

# AIA Fire Response in California

One Vision, One Effort, One Voice

# Welcome & Introductions



# Goals & Purpose of the Meeting



"My biggest challenge at the moment is finding a way to involve everyone who is reaching out to me with passion, expertise, and insight —and once we have a mobilization "framework" in place, it will be amazing to integrate your feedback along with our Board leadership, etc."

Will Wright

### **OPPORTUNITIES**

- 1. Replace existing stock with safer more resilient rebuilding
- 2. Improve Community resources
- 3. Influence Regulations that effect rebuilding and re-occupancy *Architects can help with creative, temporary to permanent solutions*
- 4. Promote alternative housing options, like ADUs, and facilitate HOA restriction discussions

### HOW ARCHITECTS CAN HELP

Architects can help shape public polices with insightful, creative, and technical suggestions for Codes and policies updates Lessons learned from disaster response can improve policies & Code Sometimes in real time as the rebuilding efforts are beginning. House more people more quickly Architects can help both at the Community level with Design assistance Teams & informational events and at the building level with technical assistance and process suggestions

# Align Expectations



# PHASES OF A DISASTER

#### AIA CA COMPONENT DISASTER RECOVERY READINESS CONTINUITY TRAINING PLANNING Annual training for Annual component staff and preparations for leadership in the five. component component ability phases leadership to to conduct of disaster develop the business management relationships that continuously will benefit in an around an incident RESPONSE OUTREACH MESSAGING ORGANIZING DAYONE& SAFETY Invite members and Initial outreach to Prepare initial community and collateral materials prepare agenda and Initial meetings and sign- up sheets, for first like business cards, readiness contacts, safety protocols meeting of identify. one pagers, rehearse Disaster Recovery and contact Local elevator speeches Committee Access Center coordinator **ORGANIZING** OUTREACH COLLABORATION **EDUCATION** months Meetings and Working with collateral Seminars and Advertising programs organizations, building activities of Disaster and workshops, and workshoos for Recovery officials, other AIA members to increase creating ways for Committee components, and professional property owners neighborhood \*block knowledge in engaging with to meet with captains" to promote community recovery component members relevant areas to learn about design building back better with and construction resilient design strategies process. REBUILDING **ORGANIZING** OUTREACH **EDUCATION** years Smaller groups Advertising programs Seminars and meet, whole group and workshops, and workshops for creating ways for members to by Basecamp increase property owners professional or similar to meet with knowledge in platform component members to learn about design relevant areas and construction process REVIEW ORGANIZING FEEDBACK RECORDING PROMOTION after Report back to Reward great Reconvene larger Create a case study design projects component of chapter activities, group at twoleadership AIACA circulate for review. three years after the activities of and as for ideas incident to evaluate and the Disaster

regarding findings

what worked

and community rebuilding successes the Disaster

Recovery

### Readiness

**Before** 

Response

Days

Recovery

**Months** 

Rebuild

Years

Review

**After** 

#### TIMELINE OF DISASTER MANAGEMENT

Understanding the timeline of a disaster before it occurs helps the component be prepared at each phase and offer the support to the community that meets its needs in that moment.

Phase	Timeframe*	Activities				
READINESS	Annually	Component leadership training and awareness				
	Each new AIA Board	Community relationship building				
RESPONSE	Days	First responders				
	+/- 4 days after disaster	Life safety				
		Temporary shelters & housing Cal OES Safety Assessment Program (SAP) Evaluator				
RECOVERY	Months	Neighborhood organizing				
	+/- 4 months after disaster	Safety and environmental clean-up				
		Permitting officials - streamlining				
		Community - planning, organizing				
		Insurance adjusting				
		Design & permitting				
REBUILDING	Years	Preconstruction: testing, design, engineering, permit				
	2 - 4 - 10 years after disaster	Construction: bidding, contracting, inspecting,				
		furnishing and occupying				
REVIEW	After	Evaluation of results				
	When component feels	Lessons learned report out				
	activities are complete	Advocacy				
		Toolkit feedback				
		Publish case study				

\* The timing of "4 days - 4 months - 4 years" was coined by Cameron Sinclair - Architecture for Humanity - as the average timeframe for response - recovery - rebuilding, but timeframes will vary as to the number of days, months, and years of these phases consistent with the scope and scale of the disaster and its impact on the built environment. Also, insurance and regulations set 12-24-36 month limits which affect the course of the recovery.

# **OVERVIEW OF RESOURCES**





Written for components but useful for those interested in preparing for and responding to Disasters. It is a comprehensive handbook addressing Risk & Vulnerability, Mitigation, Preparedness, Response, and Recovery. It covers all phases of Disaster activities. (116 Pages)

AIA CA Component Disaster Response Toolkit

https://aiacalifornia.org/wpcontent/uploads/2024/07/FINAL-12 AIA-CA-Disaster-responsetoolkit-7.3.24.pdf

# **OVERVIEW OF RESOURCES**

# Disaster Assistance Handbook

Fourth Edition, September 2021



### Contents

#### Chapter 1: Hazard, vulnerability, and risk

Hazards, hazard events, and disasters. Understanding hazard and disaster risk

Hazards: Causes of damage, impact modifiers, and climate change

Hazard multipliers: Secondary hazards.

Built environment hazard impacts Financial impacts

Environmental impacts

Classification of natural hazard events: Minor, major, and catastrophic

Emergency management stages and the benefits of resilience and climate adaptation FEMA definitions of disaster cycle

#### 40 Chapter 2: Hazard risk reduction and mitigation

Why hazard risk reduction and mitigation

Federal, state, and local hazard mitigation

Proper land use: The first line of defense

Hazard mitigation at scale: Regional, local, neighborhood, and site

Relationship of contemporary codes and standards and disaster resistance

Building vulnerability assessments

Risk reduction tactics in the built environment

Advocating for community resilience through hazard mitigation

#### Chapter 3: Emergency and disaster preparedness

Policy and advocacy for enhanced disaster preparedness

The National Preparedness System The National Incident Management System

Community Emergency Response Team

Partnerships in preparedness

ATA State Disaster Assistance Program: Preparing to provide building safety assessments

Recovery planning

Disaster and hazard scenario planning, drills, and exercises

Emergency preparedness plans and business continuity plans

#### Chapter 4: Disaster response

Federal, state, and local government roles

Authorizing aid: Volunteers and the Emergency Management Assistance Compact

Assessing the post-disaster building stock

Architects as disaster responders

Post-disaster building safety assessment process

Other types of building damage assessments

#### Chapter 5: Disaster recovery

Challenges to Building Back Better

Government-sponsored repair and rebuilding programs

Recovery: Where architects engage

Residential construction

Learning from disaster for a more resilient recovery

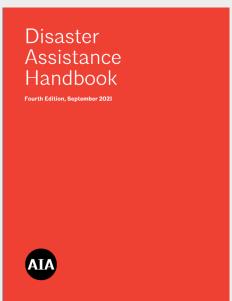
Written for general building related audiences. It is a comprehensive handbook addressing Risk & Vulnerability, Mitigation, Preparedness, Response, and Recovery. It covers all phases of Disaster activities. (183 Pages)

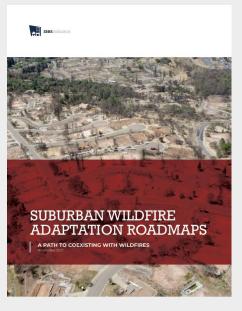
AIA Disaster Assistance Handbook

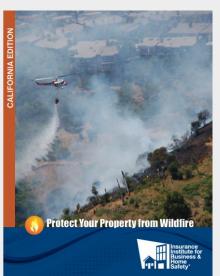
https://www.aia.org/resou rce-center/disasterassistance-handbook

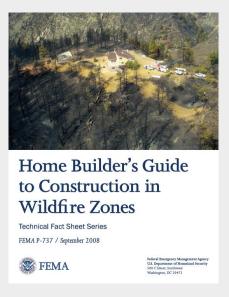
# **OVERVIEW OF RESOURCES**















#### **SELECTED LIST OF RESILIENCE RESOURCES**

AIA CA RESILIENT DESIGN COMMITTEE + AIA CA DISASTER ASSISTANCE NETWORK IN cooperation v
AIA RESILIENCE & ADAPTATION ADVISORY GROUP + AIA DISASTER ASSISTANCE COMMITTEE

Advanced Copy 1/16/2025

This list is composed of top rated resources vetted or authored by respected agencies. It is a living document updated on a regular basis. The vetting agencies and dates of publication are listed below. Unless authored by AlA and/or AlA California they are not responsible for the content of these resources.

23 General Resilience/Disaster resources 30+ Specific Disaster resources or over 50 Categories

Copies of these resources are available through AIA CA. URLs and QR Codes are included in the last slide

# **CRITICAL SERVICES**

What are the critical functions and services you need to provide for your members, community?

AIA LA –

AIA PF –

AIA SFV -

AIA VC -

# **Current Activities**



# REVIEW GOOGLE DOC

#### CA Disaster Coordination Mtg GoggleDoc.docx

#### - Google Docs

	AIA		Communication		Other	
	Component	Advocacy	S	Education	Activity	Notes
Advocacy Volunteer list	AIA California	Х				Launched 1/17/25 – 55 members who want to help with advocacy-focused initiatives
Letter to HCD	AIA California	Х				Sent 1/18/25
Coordinated fundraising appeal	AIA California			Х		Launched 1/17/25 – thru the California Architectural Foundation; purpose to assist members
Coordinated office space database	AIA California			Х		Launched 1/17/25 – to match those displaced with temporary office
Letter to elected officials – architects are here to help)	AIA Los Angeles	Х				
SAP Training	AIA Pasadena & Foothill			Х		1/25/25 at Woodbury University
Pro Bono/Discounted Service Directory	AIAPF		Х		Х	Collected volunteer info, want to coordinate with other components and orgs to avoid duplication
"Ask an Architect" Service	AIAPF		Х			Also want to coordinate.
Rebuilding Process Educational Materials & Programs	AIAPF		Х	Х		There is a lot of interest and movement around this—will likely be duplicative if we can't coordinate with others.
Permitting Process Streamlining & Rebuilding	AIAPF	Х				Outreach to local and state-level officials to discuss further updates to protocols & processes for rebuild permitting.
Collecting donation items specifically for children affected	AIA LBSB				Х	Conducted at monthly BARchitecture social
Coastal CRAN Program: A	AIA LBSB			Х		Two reps confirmed prior to the fires;

An additional list was set up to collect names and contact information for volunteers interested in advocacy

Fire Recovery Permitting Task Force Volunteer Sign-Up

# EXISTING RESOURCES, CASE STUDIES

2017 AIA Redwood Empire (AIARE) - Tubbs Fire

#### Find this case study on ArchitectsHelp.org

DISASTER: In October 2017, Sonoma County, California, suffered a wildfire that invaded the heart of the community of Santa Rosa. A total of 5,636 properties suffered structures that were destroyed including homes, multi-family structures, commercial properties, and/or appurtenant structures such as outbuildings, barrs, and sheds. 317 properties suffered partial damages to their structures. Most notably, swerpt large subdivisions of workforce housing were completely destroyed.



- RESPONSE: From Day One, AIARE was proactive with the political engine to participate with the response efforts. Chapter leadership met "Day One" and decided to show up and offer our resources in every possible manner. We created a Firestorm Recovery Committee (FRC), with participants from neighboring AIA Chapters. We joined various groups like the Rebuild Sonoma County Working Group, and met with multiple politicians, media representatives, and community leaders. We consulted with AIA California and AIA National, and made our member architects available to the public for as much capacity as they could handle. As a result of early advocacy:
- AIARE participated in the Local Assistance Center (LAC) for the first three weeks of
  response with two members in three hour shifts. We set up the schedule in SipuJup Genius and members from several Bay Area Chapters manned our table. We
  alleviated concerns of Cal OES by not allowing architects to put their personal
  business cards on the table but we created one that could be handed out to
  individuals to represent our Chapter efforts and provide contact info. We asked
  visitors to our table to signin- before they spoke with an architect, and our sign-in

#### CZU Lightning Complex Fire, Santa Cruz County Architectural Response Case Study

Kate Rhein, AIA International Associate Member

Find this case study on ArchitectsHelp.org

#### Summary

On August 16th 2020 a series of dry lightning strikes started a series of severe wildfires across Northern and Central California. The CZU Lighting Complex fires impacted San Mateo and Santa Curz counties, and burned 86,509 acres before being fully contained on September 22nd. The fire destroyed 928 residences, 174 commercial properties, 388 accessory structures and damaged another 50 buildings. The main impacted areas were in the Santa Cruz mountains including Bonny Doon, Boulder Creek and Empire Grade.

#### Initial Response

Santa Cruz County has a small architectural community of approximately 50 firms, the majority of which are solo practitioners. Our capacity to respond to the losses and take on rebuild projects is limited. Understanding this, the initial goal was to coordinate the local design professional's response to the fires by sharing information and providing volunteer opportunities for the local building design community.

#### Outreach to local building design professionals:

I initially reached out to the local architectural organizations: AIA Monterey Bay (Christie Thomas and Mary Ann Schietewanz) and the Architectural Association of Santa Cruz County (Bill Kempf and Jon Ifland).

This formed the core team going forwards. We conducted outreach to the local professionals through the following:

- 1. Sharing contacts from the AIAMB, the AASCC and our own professional business connections.
- Connecting through social media. I started a public FaceBook group called 'Rebuild Santa Cruz Design Team' and we shared the link through email and postings by the AIAMB.

2015 AIA Redwood Empire - Lake County Fire

Find this case study on Architects Help oro

DISASTER: In September 2015, Lake County, California, suffered a wildfire that invaded the heart of two communities - Middelrown and Cobb. A total of 1,958 structures were destroyed including; 1,260 homes, 27 multi-family structures, 66 commercial properties, and 959 other minor structures such as outbuildings and sheds, 93 structures were damaged including; 41 homes, 7 commercial properties, and 45 other minor structures.



- I. RESPONSE: Damage inspection Teams completed primary and secondary Safety Assessment Program (SAP) repections of the structures destroyed by the Valley Fires as directed by Califre and Cal OES. These SAP inspections were completed primarily by local government building officials. The JARSE Executive Director reached out to local officials, but was held at bay for several months due to fears of "ambulance chasers." On our first visit, we did significant touring of the damaged areas.
- RECOVERY Beginning among the control of the period of the control of the control
- 3. REBUILDING: The rebuilding statistics for the communities over the first two years was low in the range of 20-25% of survivors. Chapter embers worked any dimmally with single family homeowness that were insured and could afford services. Among the uninsured, 80-000 sweat equily homeowner evaluation that the product of the production of the prod



American Institute of Architects-Santa Barbara

Case Study Executive Summary

Thomas Fire Montecito Debris Flow

Community Recovery Team

Find this case study on ArchitectsHelp.org

Robert L. Ooley, FAIA Principal Editor

Published May 1, 2020

Coordination with local Government Agencies resulted in very successful rebuild rates

Disaster during a Pandemic

Successful homeowner assistance over the internet

Government fear that Architects were ambulance chaser slowed assistance to the community Cascading Events: Wildfire/Mud Debris Flow

Very Successful Government Coordination

## STEP BY STEP HELP IN THE DISASTER RESPONSE TOOLKIT

#### CHECKLIST - RECOVERY

- Disaster Recovery Committee
  - □ Committee purpose
  - □ Meeting structure and objectives
  - Organizing architects to help
- 2 Community outreach
  - Workshops and hotlines
  - □ Community charrettes to plan recovery
  - Promote good design and resilient rebuilding
  - ☐ Promote value of architects in helping rebuild the community
  - Online resources to connect property owners with architects
- Professional development

(M) California

- Learning opportunities regarding immediate issues
- Participate with collateral organizations
- □ Collaboration opportunities
- □ Provide links for online resources

#### DISASTER RECOVERY COMMITTEE

The purpose of the Disaster Recovery Committee (DRC) is to invite all local architects and allied partners in the component to participate in a coordinated effort to help the community and showcase the collective resources of the AIA component. The DRC is not a regular committee of the component BOD, but the DRC chair is typically a member of, or liaison to, the BOD.

The component BOD should identify the chair of the DRC at the beginning of the year, but a committee only arises if there is a disaster to respond to. Until that point, the DRC chair functions as a liaison to the Disaster Area Roberork (DAD) developing the resources and network to be successful if a DRC is needed. One benefit of having a committee that is not an existing committee of the component BOD is that the work of the component BOD may continue uninterrupted while the DRC can work according to a different timesframe.

The Recovery phase is a time of pivot between governmental response and private industry involvement. During this pivot, architects can help facilitate the transition by ongaging the government, collateral associations, and the community. The DRC is the key to organizing the response of local architects and allied professionals.

The DRC will be most effective during the Recovery phase identifying those members with an affinity to contribute in specialized areas like advocacy, resiliency, housing, permitting, and professional knowledge. There may be only a few "all-hands" meetings to get organized, the first being the most important, two to four intermediate meetings, and then a component-wide meeting can be very helpful several months into the disaster. Decide early on whether to invite adjacent component members to join in the effort based on size of disaster or relative workload.

#### MEETING STRUCTURE

DRC meetings will start with enthusiasm then dwindle as architects become engaged and, frankly, overwhelmed.

The DRC should serve as a support mechanism to the component membership during Recovery.

MEETING ONE: At the first meeting of the DRC the specialized areas that are relevant to the instant disaster will become apparent, opportunities to engage the community will arise, as well as a discussion about how the DRC can be effective in the community. The agenda of the first meeting could include:

- ☐ Check-ins personal and business impacts
- ☐ Sign-ins / contact list set up group email or Basecamp
- ☐ Rescue / housing / Safety Assessment Program announcements
- ☐ LAC table online sign ups 3 hour slots, 2 members each
- Initial discussion of desired DRC activities, and identify team members
- Protocol review discuss communication plan, media inquiries, and how to promote

#### www.architectshelp.org

COMMITTEE MEETINGS: At subsequent meetings, the agenda of prior meetings should be recapped, the groups reviewed and adjusted, and additional sign-ups collected. The number of meetings will reduce as the individual groups take shape. Some agenda items might include:

- □ Review communication plan
- ☐ Finalize DRC subgroups and team members
- Identify recovery planning groups in community and get the committee and the component BOD engaged with:
  - Permitting official ad hoc groups and meetings
  - Community housing efforts
  - Sustainable and green rebuilding efforts
  - Contractor groups
  - Engineering groups
- Schedule community workshops and outreach strategies
- □ Upcoming activities and volunteer sign-ups

#### **WORKSHOP CHECKLIST**

- C Preparing a property owner workshop meet an architect
- Develop budget and get approval from component Board of Directors
- Pick a date and secure or rent a community space
- Decide whether to collaborate with collateral organizations, allied professionals, builders, CSI, or USGBC
- Ask local architects (and adjacent chapter architects, if appropriate) to sign-up for volunteer slots – use online platform for volunteer registration
- Advertise through political, collateral, and communitybased organizations and social media Post flyers at community meetings
- Email flyers to LAC visitor contacts
- Day of workshop(s)
  - Arrive early
  - Prepare tables and chairs
  - Post signage and informational materials
- Chapter Table
  - Architects Help banner
  - Tablecloth(s)
  - Maps of disaster area to use at table (chapter prints)
  - Business cards architectshelp.org or DRC business cards
- Printed one-pagers
- Printed sign-up sheets with waiver for property owners
- Food/snacks/water (for visitors and volunteers)
- White board (can change as needed)
- Chapter signage (NEED disaster specific signage)
- C1 Architect /professional tables as many as professional slots
  - Tablecloth(s)
  - Chairs
- Staffing table and meeting with property owners
- Empathize with property owner loss
- Be a trusted professional, a volunteer sharing expertise
- Build hope in the possibility of rebuilding

- Discuss building that was lost
- Design features
- Size
   Style
- Programmatic features
- Discuss desires for new construction
  - Design features
- Size
- Style
- Programmatic features
- Discuss rebuilding process can use examples of architect's work
  - Preconstruction services
  - Permitting
  - Construction
  - Furnishing & occupancy
- Discuss services how architects can help
- -----
- Proof of loss documents for insurance
- Design team lead
- Estimating assistance
- Permit expediting
- Construction administration & asset protection

#### C Clean up

- Give a 15-minute warning
- Put tables and chairs away
- Collect trash and debris
- Pack up component resources

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## **DISASTER ASSISTANCE CENTERS**

Step by step instructions for Community Disaster Assistance Center involvement and other Recovery related activities can be found in the AIA CA Component Disaster Response Toolkit.

#### **ELEVATOR SPEECH**

#### Who is AIA?

The American Institute of Architects (AIA) is the professional association for architects in our area. We
are comprised of (INSERT # OF MEMBERS) architects and design professionals in (INSERT CITY,
TOWN, COMMUNITY).

#### Why do architects care during a disaster?

- Architecture is the only profession educated, trained, and tested to design the fragile interface between
  the natural and built environments. During times of intense upheaval caused by natural disasters, it is
  this experience which enables architects to be a valuable resource to both civic/ government leaders, as
  well as to the public, in the search for solutions.
- Architects are team leaders and project managers who will help rebuild the community. The AIA can
  help organize and coordinate their assistance to the community.

#### Why does the AIA care in a disaster? Architects can help!!

- The AIA can help in a disaster by providing resources to the community and the local architects, builders, and policy makers to ensure good decision making and smooth processes in planning and rebuilding. The AIA can help the community build back better.
- AIA has a network across the country that shares its experience, resources, and best practices in times
  of disasters.

A Disaster Assistance toolbox is available from AIA CA with supplies you will need for your community outreach.



#### LOCAL ASSISTANCE CENTER SETUP

Volunteering at the Local Assistance Center (LAC) is an important contribution AIA members can make during the early days of an incident. Members are seen as a valuable resource by those who have been impacted by a disaster. Volunteers man the table in the LAC, providing support to displaced community members, both technical expertise and emotional support.

- Preparing to go to Local Assistance Center Unpack the Box
  - Architects Help banner
  - Tablecloth(s)
  - Maps of disaster area to use at table (chapter prints)
  - Set up platform for volunteers (2 per slot)
  - Print business cards (use Avery Business Card sheets to print ArchitectsHelp.org or DRC Business Cards or go to local printer)
  - Print Resource Information Sheets for distribution
  - Print sign-up sheets with waiver for property owners
  - Purchase food/snacks/water/Kleenex (for visitors and volunteers)
  - White board (can change message as needed)
  - Chapter signage (NEED disaster specific signage)
- Manning the LAC table and meeting with property owners
  - Empathize with property owner loss
  - Ask property owner to sign waiver/contact form
  - Be a trusted professional, a volunteer sharing expertise
  - Build hope in the possibility of rebuilding.
  - Discuss rebuilding process
    - Preconstruction services
    - Permitting & construction
    - Furnishing & occupancy
  - How architects can help
  - Proof of loss documents for insurance
  - Design team lead
  - Estimating assistance
  - Permit expediting
  - Construction administration and asset protection
- EJ AJA networking
  - Find and introduce yourself to the event coordinator
  - Walk around and meet the other organizations
  - Take pictures of volunteers at work to post to website / newsletter/social media
  - Plan to visit local firms, if time allows
  - Continue to coordinate volunteers over span of LAC
  - Survey or contact past volunteers for feedback

### CALIFORNIA ARCHITECTURAL FOUNDATION



Hi All,

As you may know, the California Architectural Foundation (CAF) has been accepting donations to support members, Chapters, and communities impacted by the recent fires. To date, a little over \$6,000 has been donated, earmarked for individual, Chapter/community support or both. While it's not a large sum, we know every bit helps.

As a Chapter in an affected area, we need your help identifying members who have lost their firm, home office, or residence due to the fires. If you know of anyone impacted, please send us their name, firm name, mailing address, and email. We will compile a list to assist us in disbursing funds. Since donations are still coming in, we may conduct a second round of support (but that is yet to be determined).

Our goal is to distribute funds by mid-February, so if you can provide this information by **February 7th**, we would greatly appreciate it. Thank you for your help.

Best, Kim

Kimberly S. Anderson, Hon. AIA CA

Development Director
The California Architectural Foundation
1931 H Street Sacramento, CA 95811

phone: (916) 642-1730 | web: calarchfoundation.org/

AIA CA and CAF are closed on Fridays due to studies demonstrating advantages to four-day work weeks. We are committed to excellent member service and public programs with more robust M-Th hours.

# Dinner Break



# ADVOCACY INTIATIVES



### **ADVOCACY INITITIVES**

Leverage all three layers of components

National - We are encouraging AIA national to promote an insurance industry certification program for wildfires like "FORTIFY".

State – Environmental (CEQA), Code changes, Cal OES coordination

Regional – SCARF -

Local – OES, Planning, Building, Health

### Challenges

Housing need is immediate

Rebuilding before proper rethinking can lead to the same problem all over again.

Architects are not typically involved in single family residential

Their expertise may be overlooked

# **COMMUNICATION INITIATIVES**

```
Member Facing

National -

State -

Regional -

Local -

Planning, Building, Health
```

Public Facing

National 
State 
Regional 
Local -

# **EDUCATION INITIATIVES**

```
Member Facing

National -

State -

Regional -

Local -

Planning, Building, Health
```

Public Facing

National 
State 
Regional 
Local -

# Action Plan/ Next Steps



# **ACTION PLAN/NEXT STEPS**

Who's taking the lead Distribution/logistics What else is needed?

# Thank You

# **ADJOURN**







AIA CA Component Disaster Response Toolkit

https://www.aia.org/res ource-center/disasterassistance-handbook AIA Disaster Assistance Handbook

https://www.aia.org/res ource-center/disasterassistance-handbook AIA CA Selected list of Resilience Resources

https://www.aia.org/resou rce-center/disasterassistance-handbook