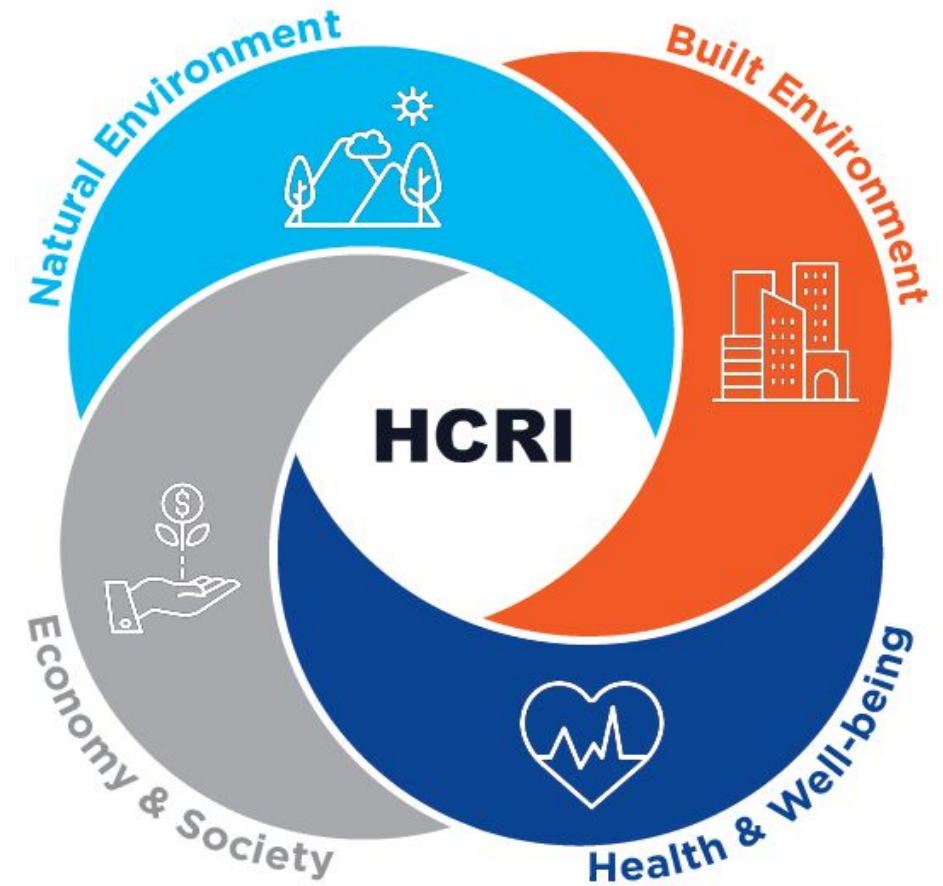


# HAZARD AND CLIMATE RESILIENCE INSTITUTE



We foster collaborations between disciplines and across sectors to build connected, thriving, resilient communities

Dr. Brittany Brand, Director for the Boise State HCRI



<https://www.boisestate.edu/research-hcri/>

# Overview

- Resilience definition (stress and shocks) - 10 minutes
- Community Story & Resilience Characteristics Activity at Tables - 15 min
- Challenge & Solution Trees - 10 minutes
- Action planning - tied to resources - 5 minutes
- Wrap up - take home message - 5 minute

# Building Holistic Community Resilience

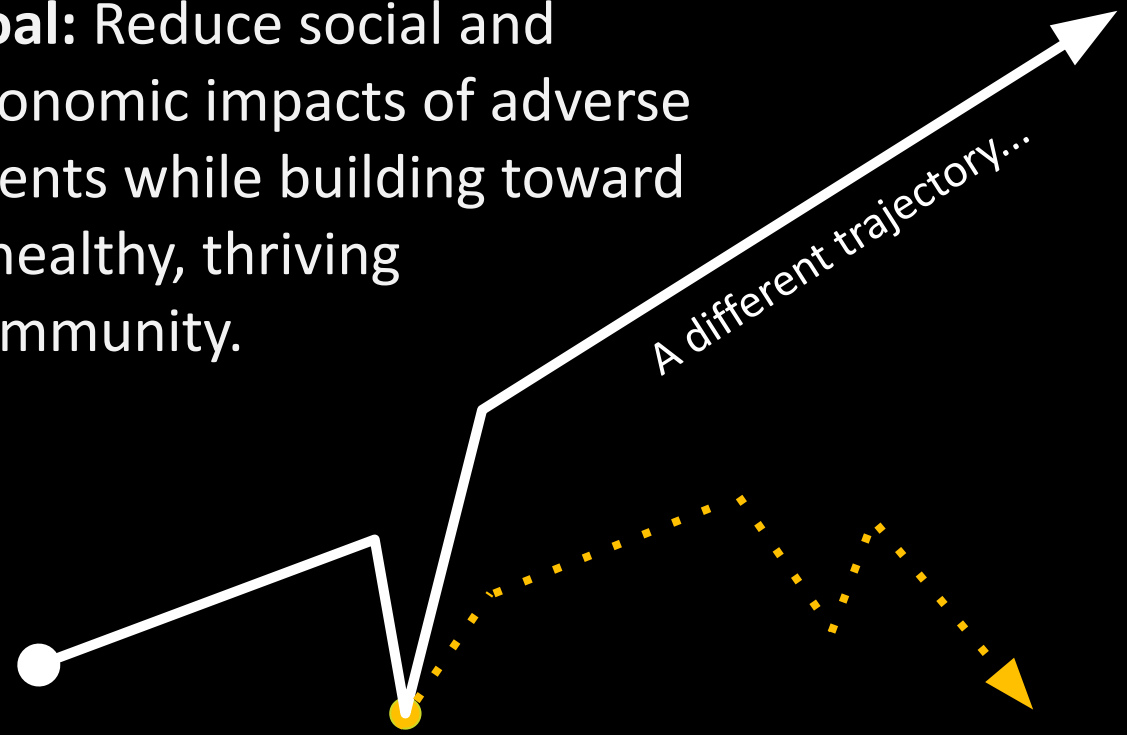


*RV*

# Take Home Message:

**Community Resilience** is multifaceted and requires a collaborative approach

**Goal:** Reduce social and economic impacts of adverse events while building toward a healthy, thriving community.



# What you will get today



**What are characteristics of a resilient community?**

# Community Resilience

The capacity of individuals, communities, institutions, businesses, and systems to **thrive** no matter what kinds of chronic stresses and acute shocks they experience<sup>1</sup>.



Boise River Flooding (2017)



Highway 55 Rockslide (2020)



Water Scarcity and Idaho Agriculture

# Characteristics of Resilient Communities

1. Collective Identity & Community Support

2. Safeguards to Human Health & Social Welfare

3. Safe & Affordable Housing

4. Diverse Livelihoods & Employment

5. Sustainable Economy

6. Effective Leadership

7. Built to Last

8. Effective Disaster Management

9. Natural Stewardship

10. Thriving Today and in the Future

11. Crime & Justice

12. Reliable & Secure Communications & Technology



# Case Study: Brightly, Oregon



# Collective Identity and Community Support

Food Bank through  
Local Church



Youth pitch in to prevent flooding



# Collective Identity and Community Support



# Collective Identity and Community Support



# Safeguards to Human Health and Social Welfare



# Safeguards to Human Health and Social Welfare



# Safeguards to Human Health and Social Welfare



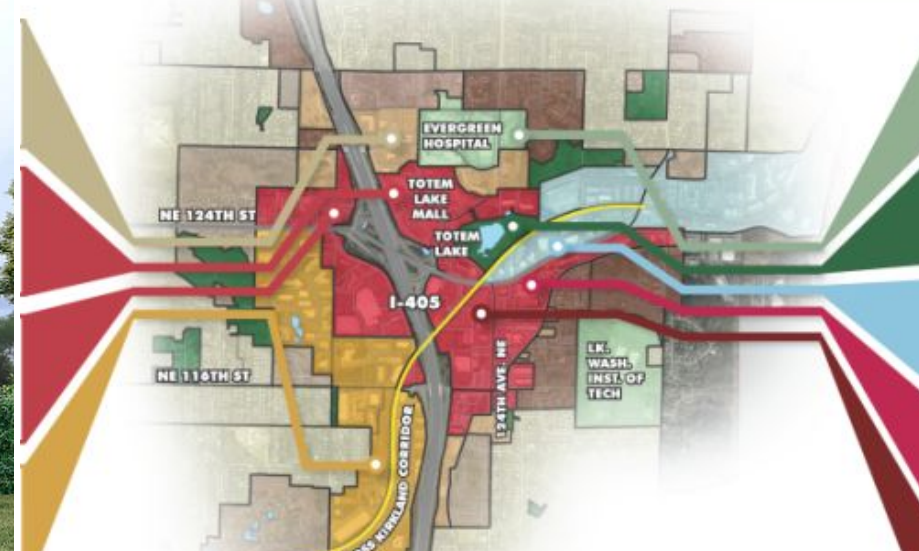
# Safe and Affordable Housing



New prefabricated home installed in Brightly



Plan to expand sewer and water system





# Safeguards to Human Health and Social Welfare



**Collective Identity and Community Support  
Safeguards to Human Health and Social Welfare  
Safe and Affordable Housing**



**\*Menti.com\***

# Diverse Livelihoods and Employment - Sustainable Economy



# Diverse Livelihoods and Employment - Sustainable Economy



# Diverse Livelihoods and Employment - Sustainable Economy



# Diverse Livelihoods and Employment - Sustainable Economy



# Diverse Livelihoods and Employment - Sustainable Economy





# Participatory Decision Making - Political Voice - Information Resources - Deliberate Transitions

Mayor Brandon Schmidt (bottom right), posing with USDA Rural Development. Mayor Schmidt is in his 12th year serving as Mayor of Brightly

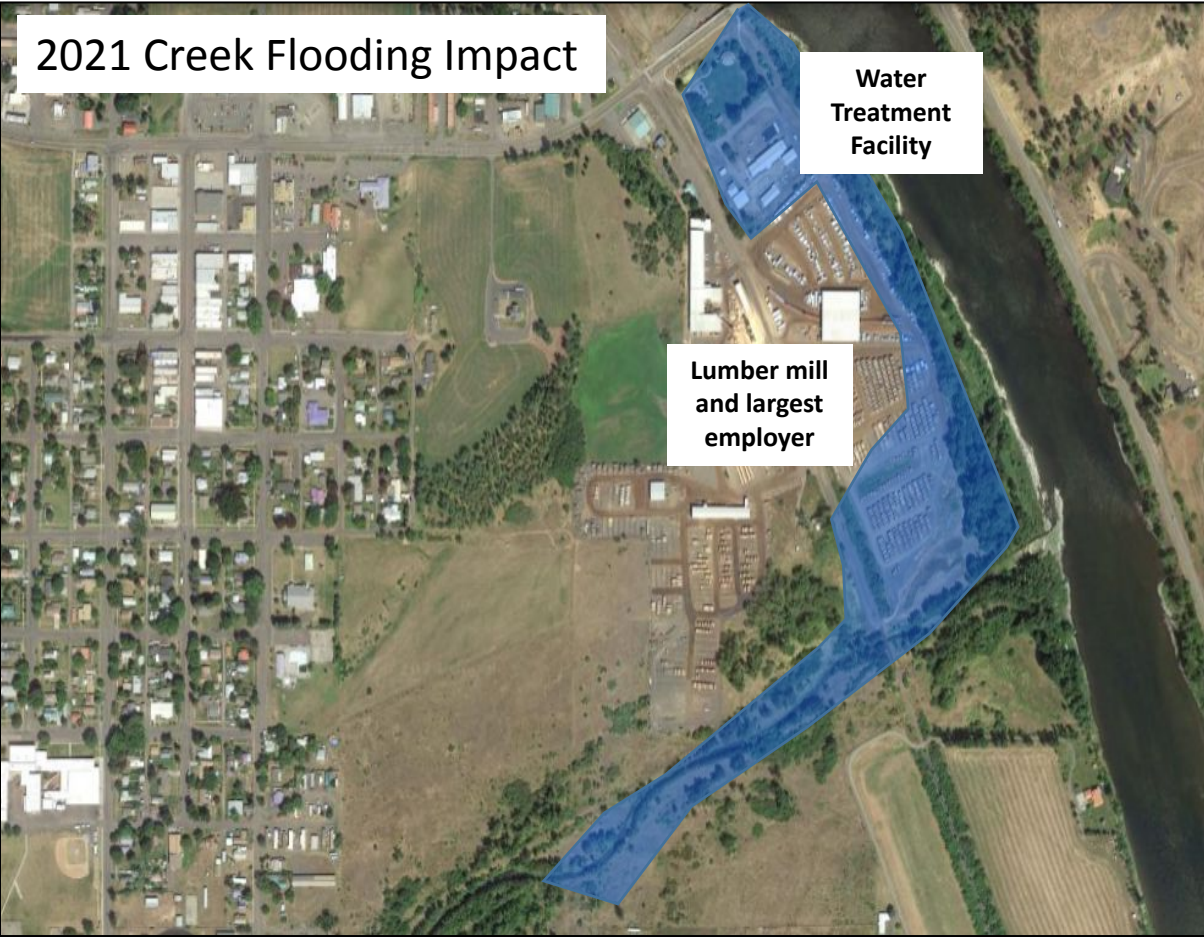


Sparsely attended City Council meeting



**\*Menti.com\***

# Effective Disaster Management - Natural Stewardship - Built to Last

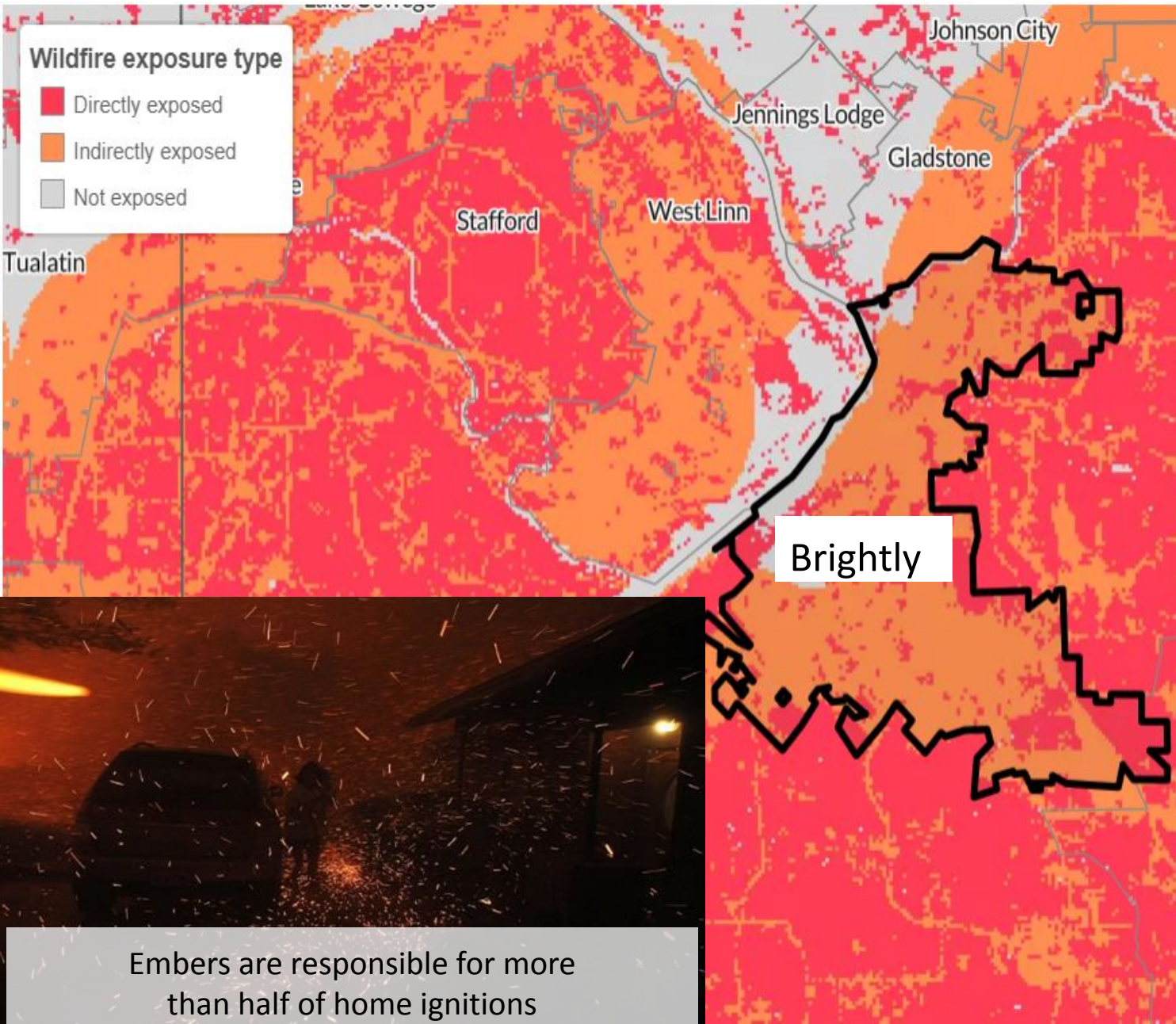


# Effective Disaster Management - Natural Stewardship - Built to Last

Salmon and trout have not been seen in this creek in 20 years



# Effective Disaster Management - Natural Stewardship - Built to Last



## Wildfire Household Wildfire Protection Actions

Remove flammable debris



Move wood piles away from structures

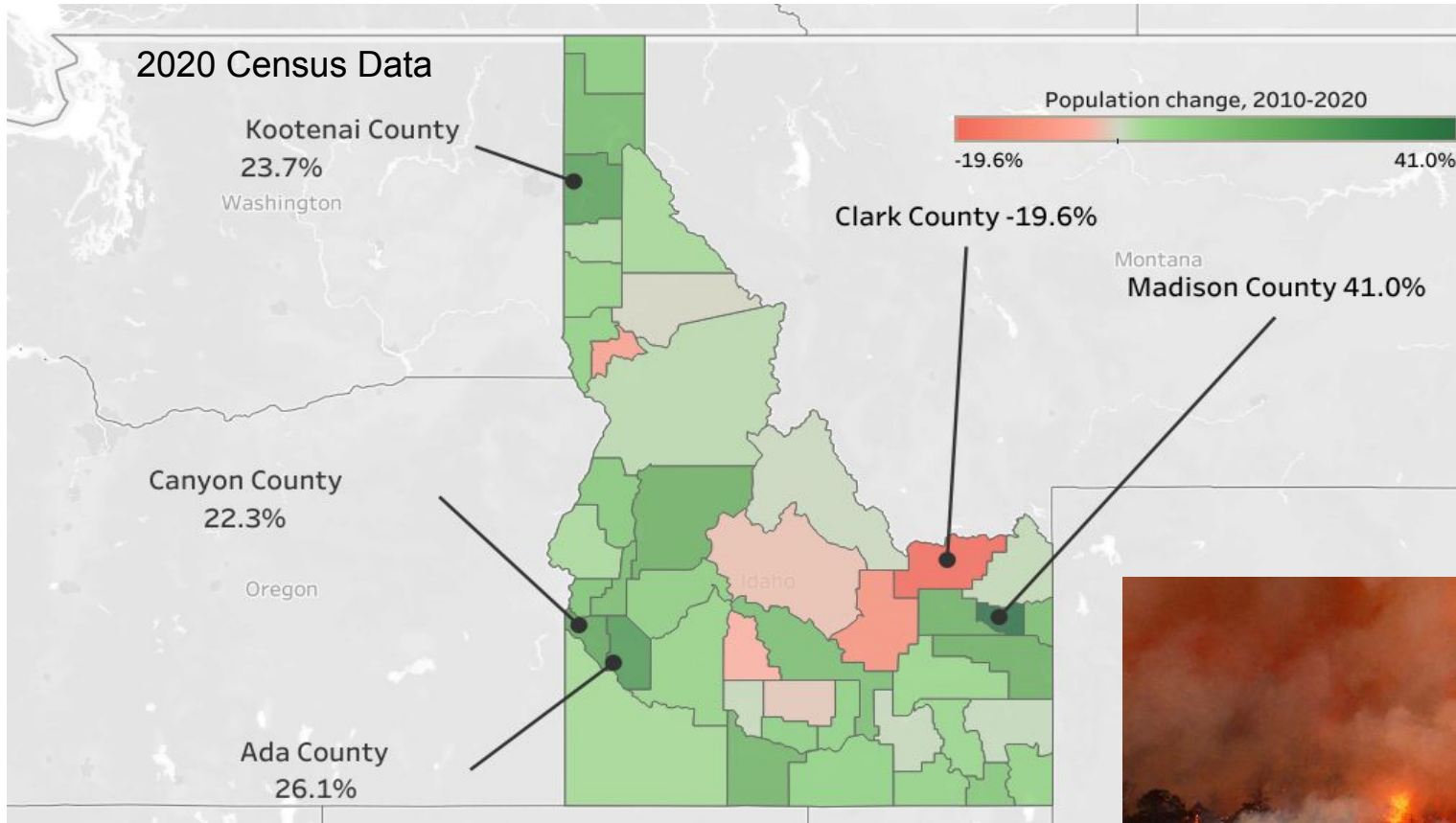


Remove flammable vegetation



Embers are responsible for more than half of home ignitions

# Thriving Today and in the Future



## Idaho Extreme Events Risk:

- Less frequent, but more intense precipitation
- Wildfire
- Heat
- Drought



**\*Menti.com\***

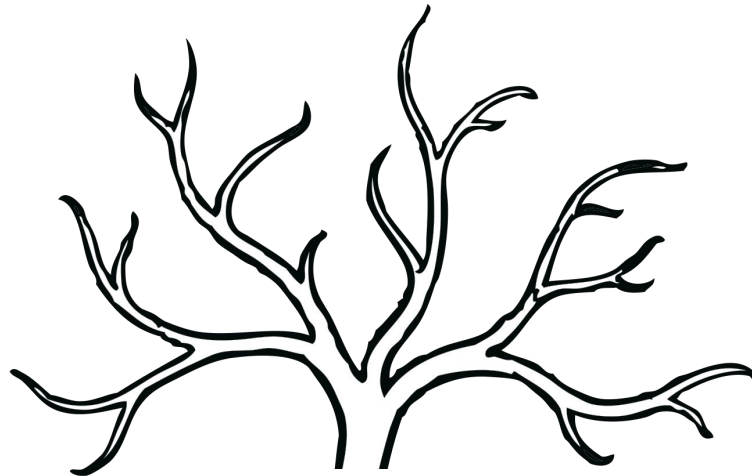
# Case Study: Brightly, Oregon



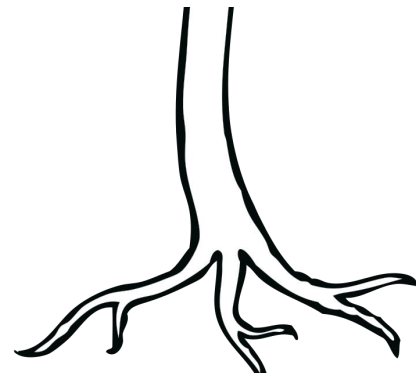


# Challenge Tree

Issues in the Community



Core Challenge



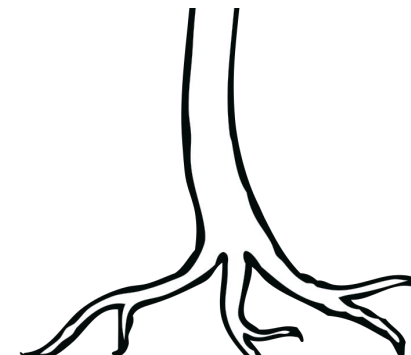
Root Causes

# Solution Tree

Changes you Expect to see  
in the Community

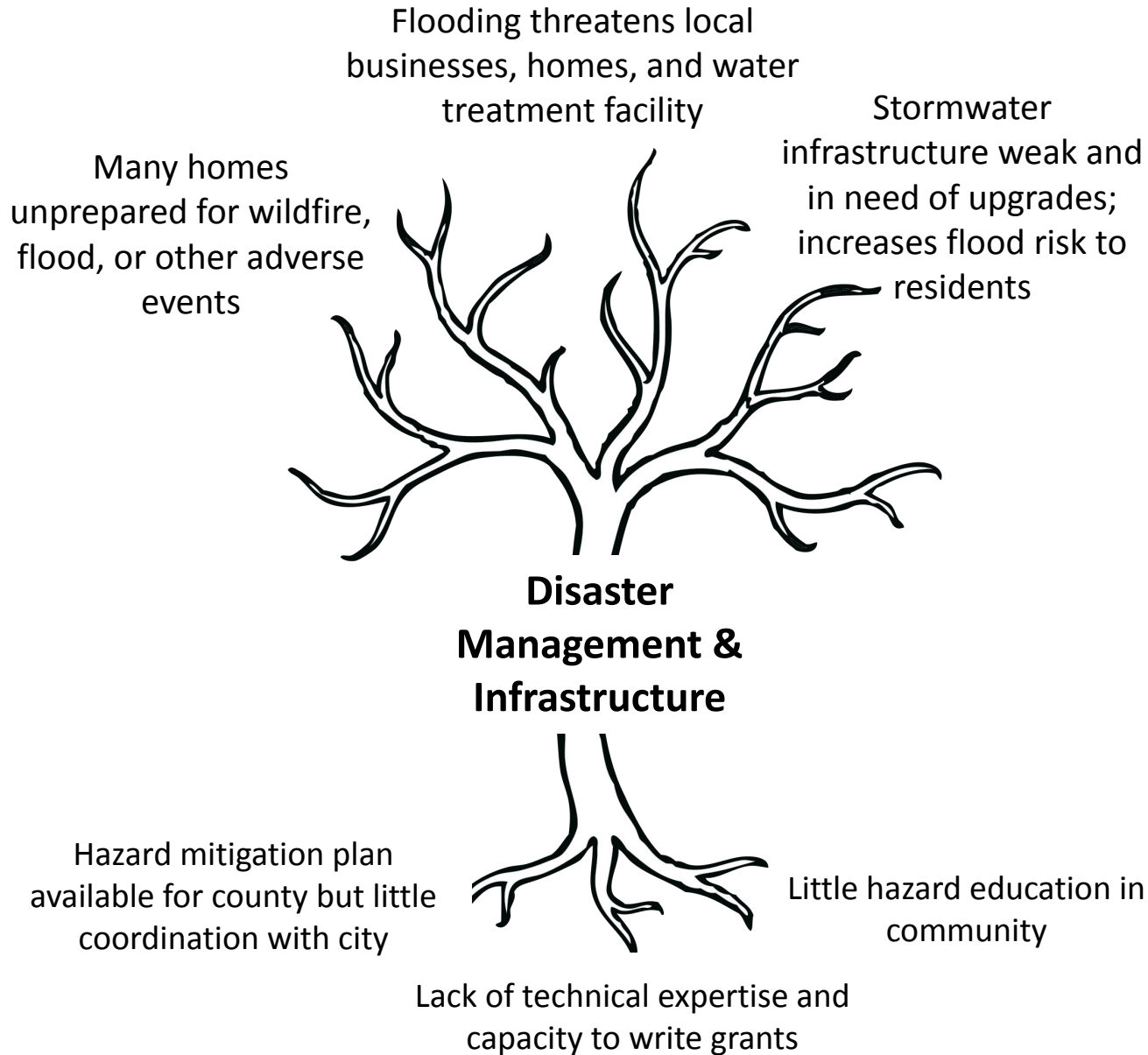


Core Challenge

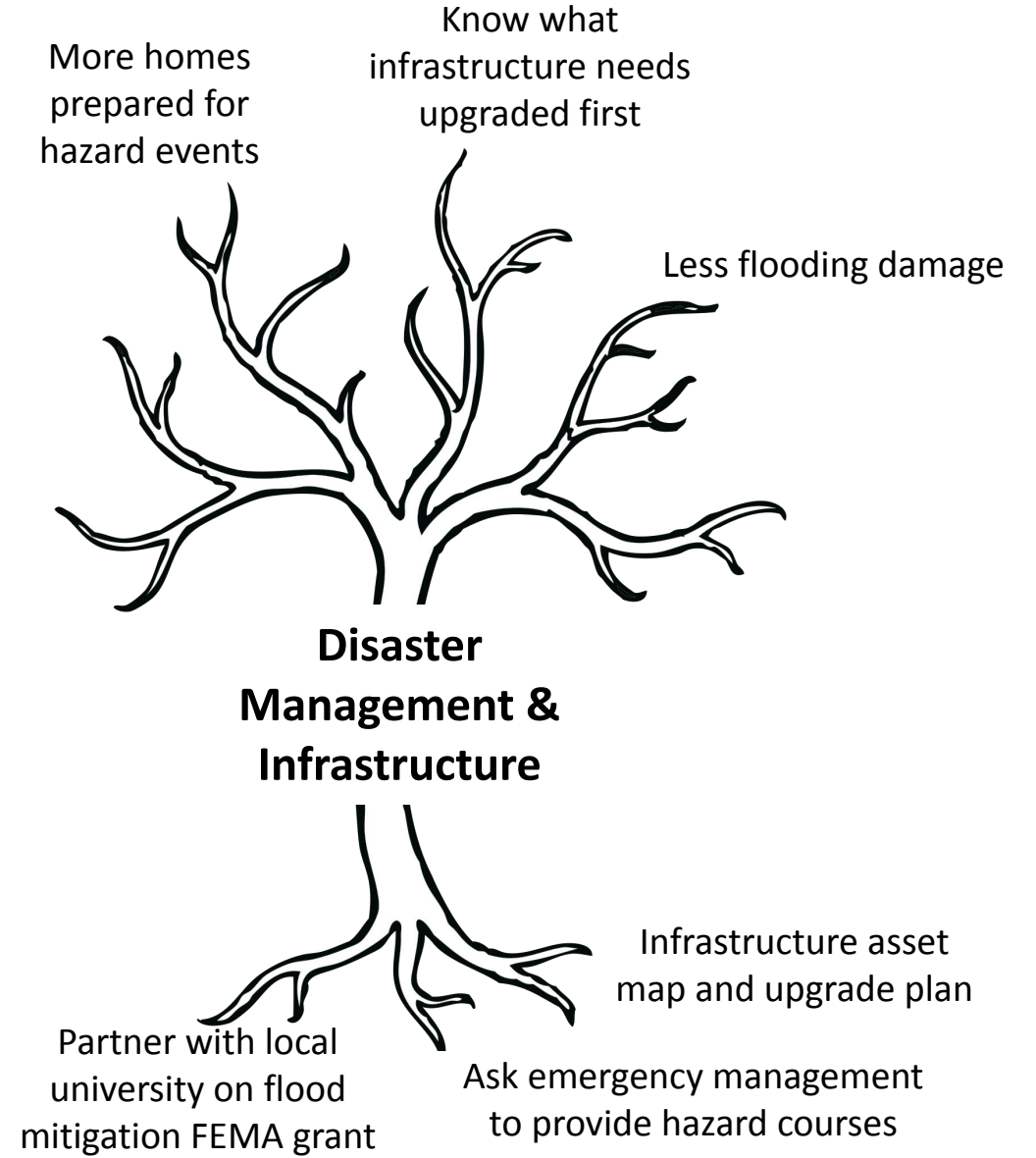


Solutions

# Challenge Tree



# Solution Tree



## Activity (10 minutes):

At your table, review the root causes for your Resilience Characteristic(s)

Think through potential solutions to those challenges

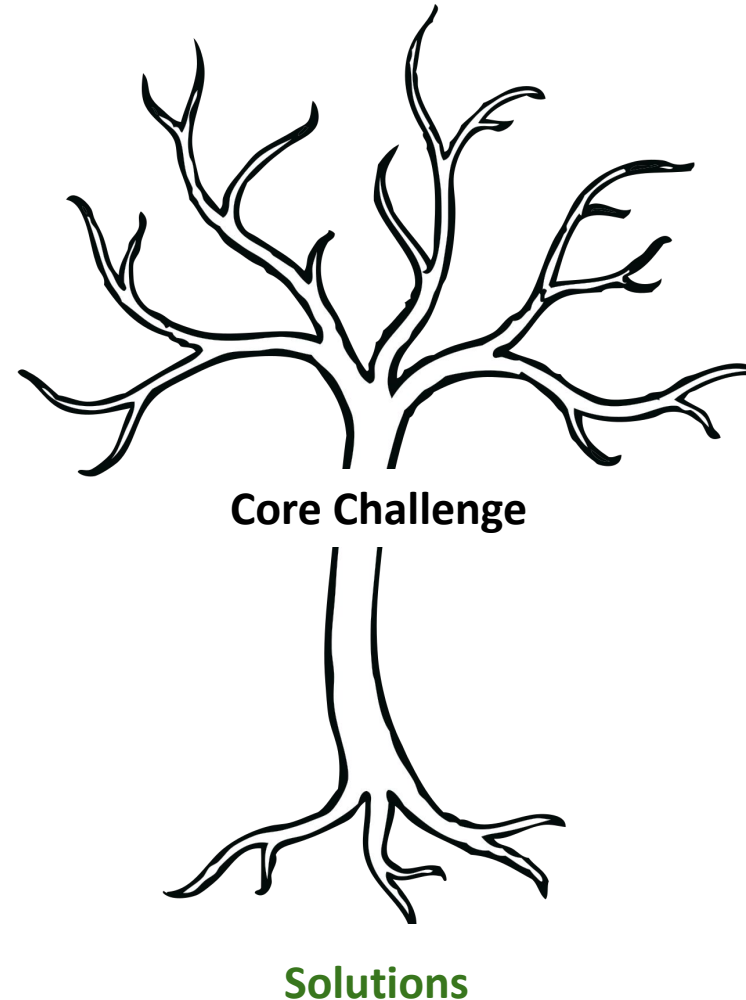
Add solutions in the **roots** of your solution tree

Add what you think would change in the community in the **limbs** as a result of implementing that solution

Add top actions to the **action table**

# Solution Tree

Changes you Expect to see  
in the Community



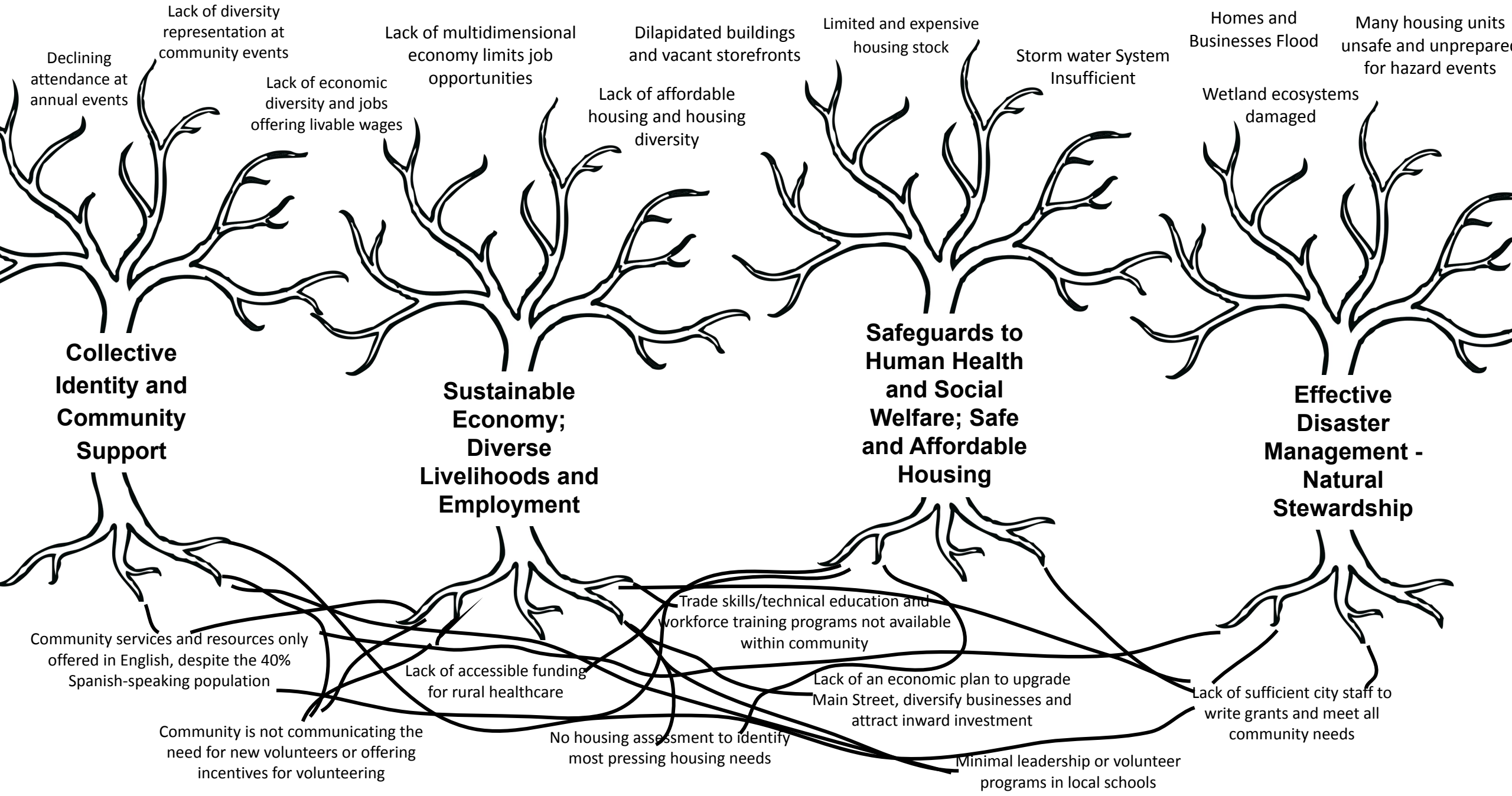
## Group Guidelines

- Listen actively
- 2 minute rule
- Engage all
- Be Respectful

<b>Action</b>	<b>Opportunities for Resilience</b>	<b>Who will be involved from your community (and county)?</b>	<b>What resources are available to support efforts?</b>

Action	Opportunities for Resilience	Who will be involved from your community (and county)?	What resources are available to support efforts?
Collaborate on a Economic Development and Main Street upgrade plan	Economic growth and opportunity Increase local jobs Increase local wages <b>(Sustainable Economy; Diverse Livelihoods)</b>	Brightly Chamber of Commerce City of Brightly	Economic Development Association USDA Rural Development Main Street Idaho
Seek partnerships with non-profit organizations to assess and identify solutions for housing challenges	Increase cost-effective workforce housing stock <b>(Safe and Affordable Housing)</b>	Nonprofits in housing (housing trust) Brightly Chamber of Commerce Public Health Director Public Works	Community Health Needs Assessments Idaho Housing and Finance Association Grants and Resources Idaho Policy Institute
Increasing civic engagement education	Building inclusive culture Educate and inform about the process Breaking down silos; Engage youth <b>(Collective Identity &amp; Community Support)</b>	City of Brightly Elected Officials School Board High school teachers Non-profit organizations	Rural Development Initiative Civic Engagement Alliance - Action Network
Submit FEMA grant for hydrology assessment to address flooding	Ecosystem improvements Community drinking water Erosion Grant opportunities create new grant opportunities <b>(Effective Disaster Management; Natural Stewardship; Built to Last)</b>	County Emergency Management USDA Natural Resource and Conservation Services Soil & Water Conservation Public Health City of Brightly Public Works	EPA Northwest Environmental Justice Center USDA NRCS Boise State Hazard and Climate Resilience Institute

# Root causes manifest themselves as issues across many sectors of your community



# Take Home Message:

**Community Resilience** is multifaceted and requires a collaborative approach

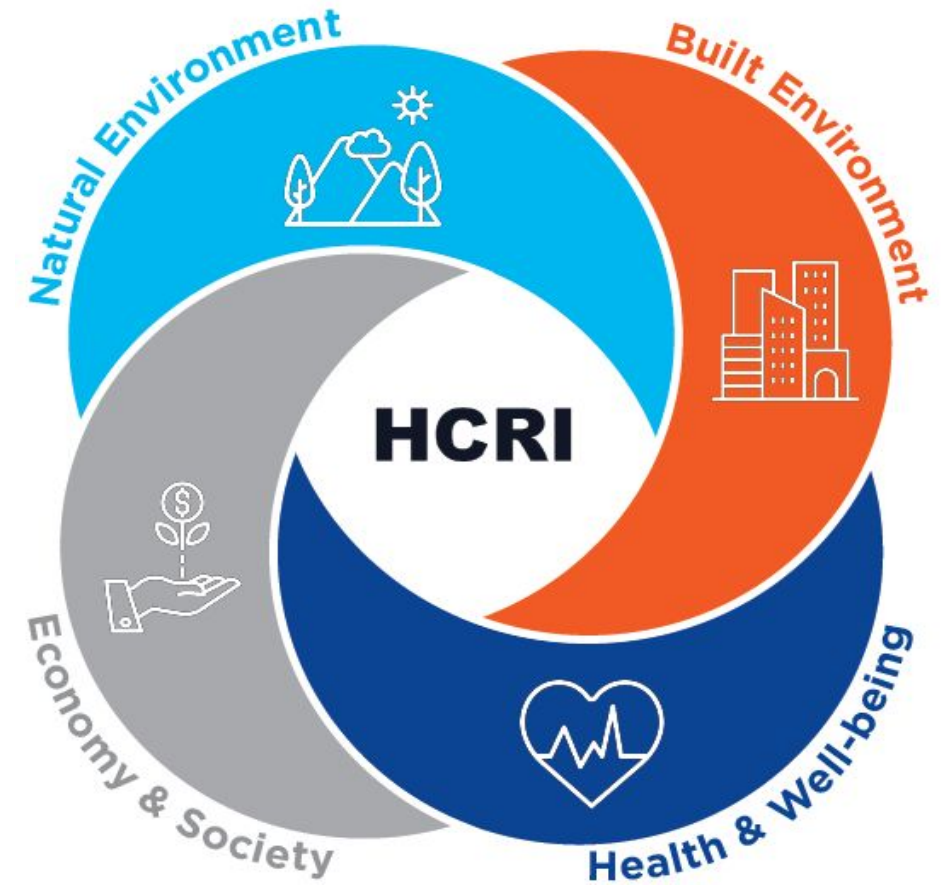
**Goal:** Reduce social and economic impacts of adverse events while building toward a healthy, thriving community.



# Your new tools!



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# Thank You!

Session materials available for  
download:



Dr. Brittany Brand, Director for the Boise State HCRI

[brittanybrand@boisestate.edu](mailto:brittanybrand@boisestate.edu)

<https://www.boisestate.edu/research-hcri/>