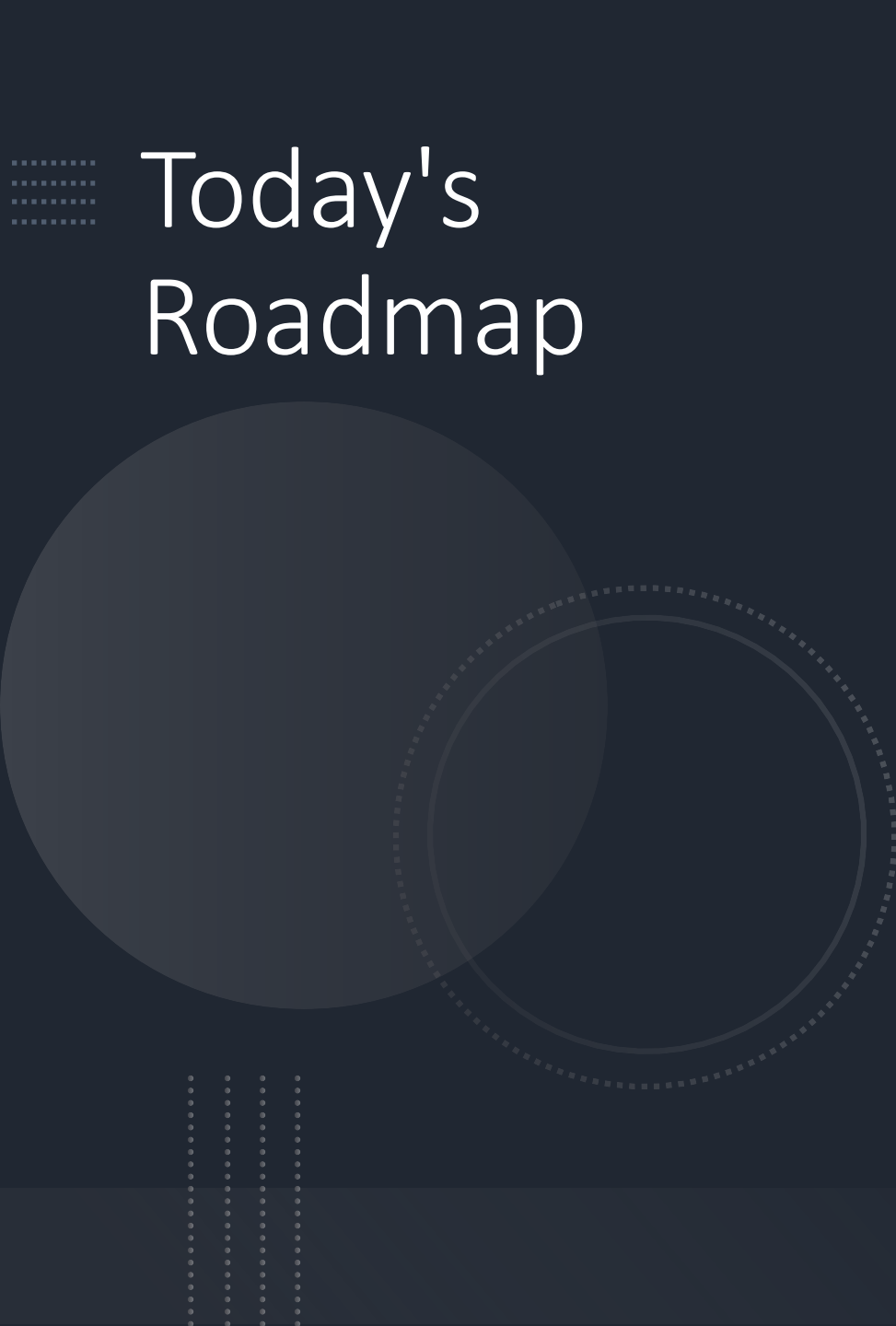


Community Wildfire Forum

7.16.2022



Today's Roadmap

Introductions and Orientation

Program Overview

Wildfire 101

Specific Topic Information

Resources

Group Activity

Q&A

Orientation

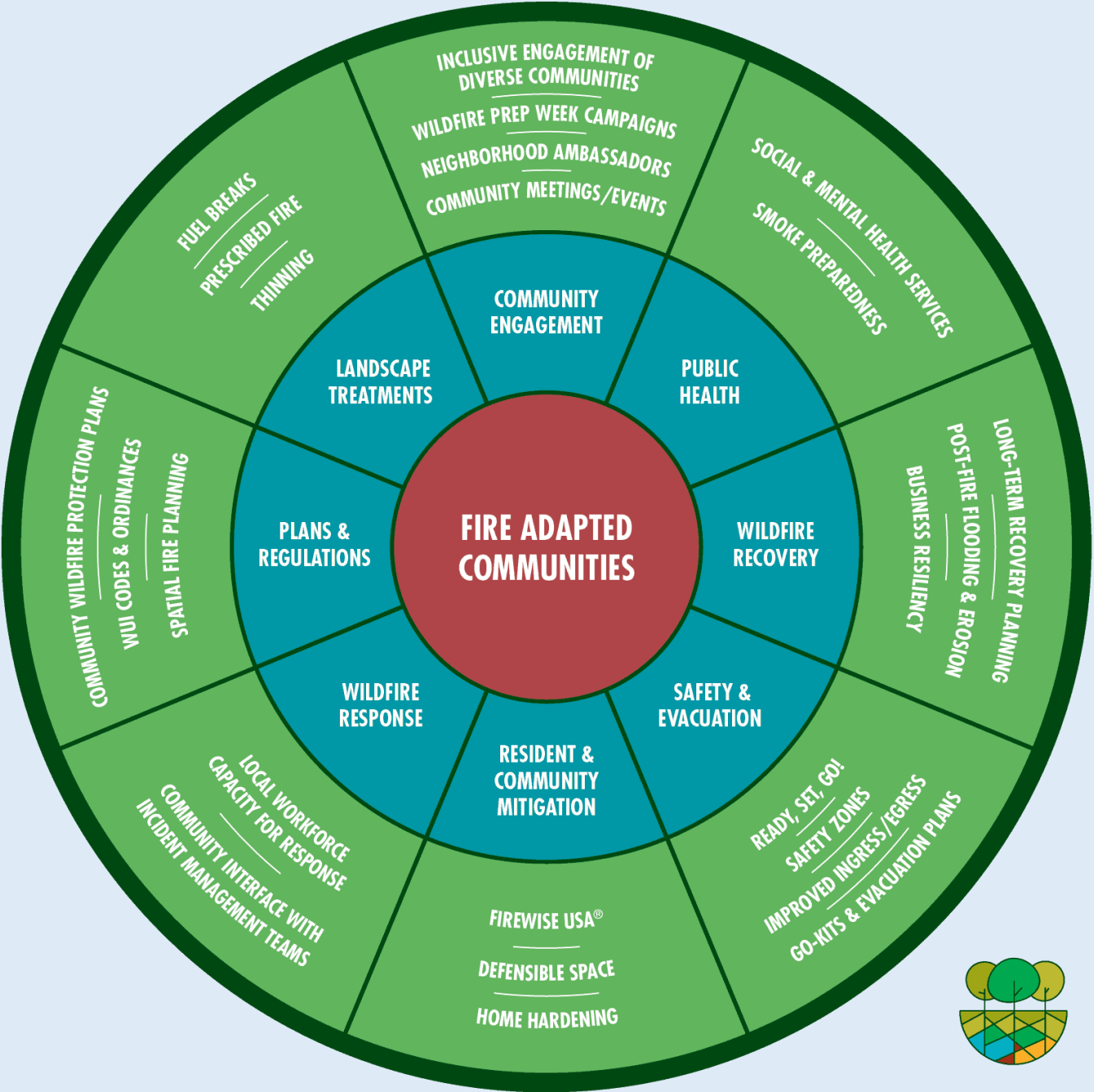
Safety

Voting on your most important topic

City vs County distinctions

Objective: Increase mutual understanding of concerns and efforts relating to mitigating risks associated with wildfire

A comprehensive whole community approach to adapting to wildfire



MWPA goal overview

Goal 1: Vegetation Management

Goal 2: Detection, Alert and Evacuation

Goal 3: Grants

Goal 4: Public Outreach and Education

Goal 5: Defensible Space and Home
Hardening

Research- Video with Dr. Jack Cohen

Wildfire: Prevent Home Ignition, Part 1, started at 5:30

- <https://youtu.be/zx9-pZvKW2U?t=330>

Fire Behavior

How does fire behavior relate to MWPA Goals and Objectives?

Wildland Fire Triangle

- Fuel - factor we can manage
- Topography – factor we know
- Local weather – factor we can predict and plan for - Red flag warning

Basic fire triangle

- Fuel
- Heat
- oxygen





Who do we partner with?

Mosaic of ownership

Partnerships

Different management/ planning process

PERSONAL PREPAREDNESS

What can I do?

3 steps to Preparedness

1. Be informed & engaged
2. Have & practice a plan
3. Gather & organize supplies



Engage your Neighbors

- Who will need help
- Who has resources
- Meeting places
- Buddy systems

*Remember Mental Health



Creating a Plan



Who will do what?



Where will we go?



Where will we meet?



Who will we check-in with?

Go-Bags



- Water & snacks
- 1st aid kit & extra medications
- Cash
- Flashlight & batteries
- Battery powered or crank radio
- Dust mask (N-95) & gloves
- Phone chargers & powerbanks
- Toiletries and Sanitation
- Maps & Important documents
- Clothing & shoes

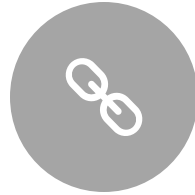
Grab & Go List

- “Need” items should be in Go Bag & kit
- Establish list of “Want” items
- Organize by priority or location
- Practice loading into car
 - Does it all fit?
 - How long did it take?
- Hastens ability to evacuate





Talk about your
plan



Connect with
your neighbors



Sign up for
Alerts



Gather your
supplies



PRACTICE

Action Items



EVACUATION AND ALERTS

Emergency ALERT

An “Emergency Alert” is sent when *lives may be at risk* and ACTION is needed at a specific address or neighborhood. Examples of “Emergency Alerts” are:

- Shelter In Place
- Evacuation Warning
- Evacuation Order
- Critical Information (specific instructions, evacuation routes, shelters)

Notification or Message

“Messaging” is sent when there are known hazards, localized impacts, and potential impacts from localized emergencies. Examples of “Messaging” are:

- Flood Warning
- Flood Watch
- Red Flag Warning
- Drift Smoke
- Road Closures
- Police/Fire activity (no life safety concerns)

Ways Residents are Informed



Social Media	M/N
Alert Marin (alertmarin.org)	EA
LRAD	EA
Emergency.marincounty.org	M/N
NOAA Weather Radios	EA
Door to Door	EA
Community.zonehaven.org	M/N
Pulsepoint	M/N
WEA	EA
News Outlets	M/N
EAS	EA
Hi/Lo Sirens	EA
Nixle (nixle.com)	M/N
Waze	M/N

Alert Marin: alertmarin.org
(SRFD & Marin County)

Nixle: Text zip code to
888-777 (SRPD)

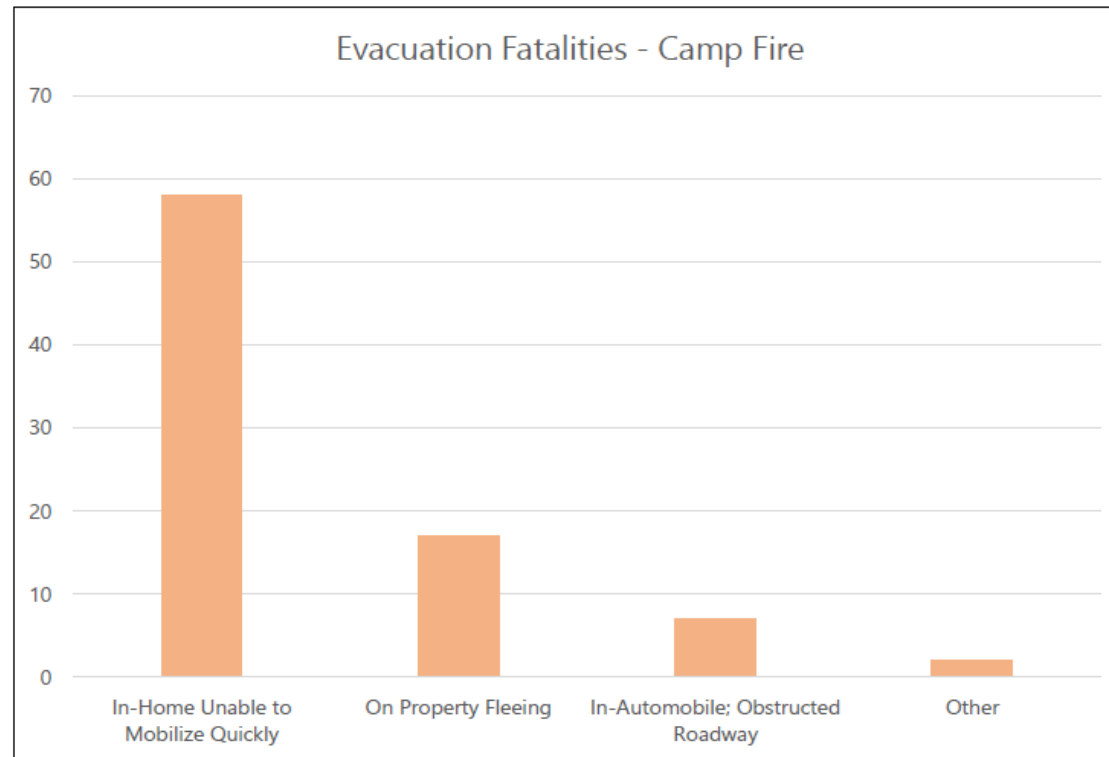
Evacuation Terminology

Evacuation Order – Immediate threat to life. This is a lawful order to leave now. The area is lawfully closed to public access.

Evacuation Warning – Potential threat to life and/or property. Those who require additional time to evacuate, and those with pets and livestock, should leave now.

Evacuation Order(s) Lifted – The formal announcement of lifting evacuations in an area currently under evacuation.

What Are the Leading Causes of Injuries and Fatalities During Wildfire Evacuation?



- Most injuries and fatalities occur when people:
 - Do not receive notification to evacuate or do not understand messaging (age and demographic)
 - Are not able to mobilize due to health issues or lack of access to vehicle/help
 - Do not perceive an immediate threat until it is too late
- Generally consistent among studies reviewed
- Temporary refuge areas (TRAs) and unobstructed roadways with vegetation clearance can provide temporary safe zones

Action Items



Defensible Space and Home Hardening



You CAN change your home's ignition
potential



What is Defensible Space?

- A buffer that an individual property owner can take to reduce fire spread.



How does Wildfire become a structure fire?

- 3 ways
 - Low-intensity ground fire
 - Canopy Fire
 - Ember spread



Where to start?

Build a Defensible
Space buffer

Home Hardening



Defensible Space

- 0-5 feet
 - Create fuel breaks
 - Remove leaf litter
 - Use hardscapes
- 0-30ft
 - Remove hazardous vegetation
 - Limb up trees *dormer
- 30-100ft
 - Limb up trees
 - Reduce tall grasses
 - Reduce fuels

Home Hardening

- Utilize 1/16th vents
- As you remodel, consider composite materials.
- Double pane tempered glass windows





A myth about
Defensible Space

- Fire moves like a tidal wave through houses



Grants

- San Rafael and MWPA Grants
 - Works retroactively
 - Targeted at meeting local fire code standards
 - Require a licensed contractor
- San Rafael Grant
 - Up to.....
- MWPA
 - Up to.....

July 2022

WILDFIRE MITIGATION GRANT PROGRAM

The City of San Rafael is offering a grant program to assist San Rafael property owners in reducing wildfire risks on their property. This Grant program is funded by the Marin Wildfire Prevention Authority (MWPA).

Before | After



YOUR
FIRE FUNDS
AT WORK

HOW TO GET GRANT FUNDS

- 1 Get a Full Defensible Space Inspection**
Only documented work from your inspection report are eligible for grant funds.
- 2 Perform the Work**
Use a **Licensed Contractor**
*see backside for more information
For your application, collect:
 - ☐ detailed invoices
 - ☐ proof of payment
 - ☐ before/after photos
- 3 Submit Your Application**
Compile all the documentation required and submit your application through email, mail, or in person at:
1375 Fifth Avenue
San Rafael, CA 94901



Scan the QR code to learn
more or visit us at
SRFD.org/grants



Action Items



Undeveloped Land

Creating healthier landscapes



What is Open Space?

- What are the goals of vegetation Management?
 - Fire adapted community
 - Influence fire behavior

How do we prioritize treatment areas?

- House out
- Emergency access and evacuation routes
- Fire Roads
- Strategic fuel breaks
- Landscape restoration



How to we plan projects?

- Develop treatment prescriptions
- Environmental compliance
 - CEQA
 - Nesting birds
 - Sensitive plants and animals
- Debris Management



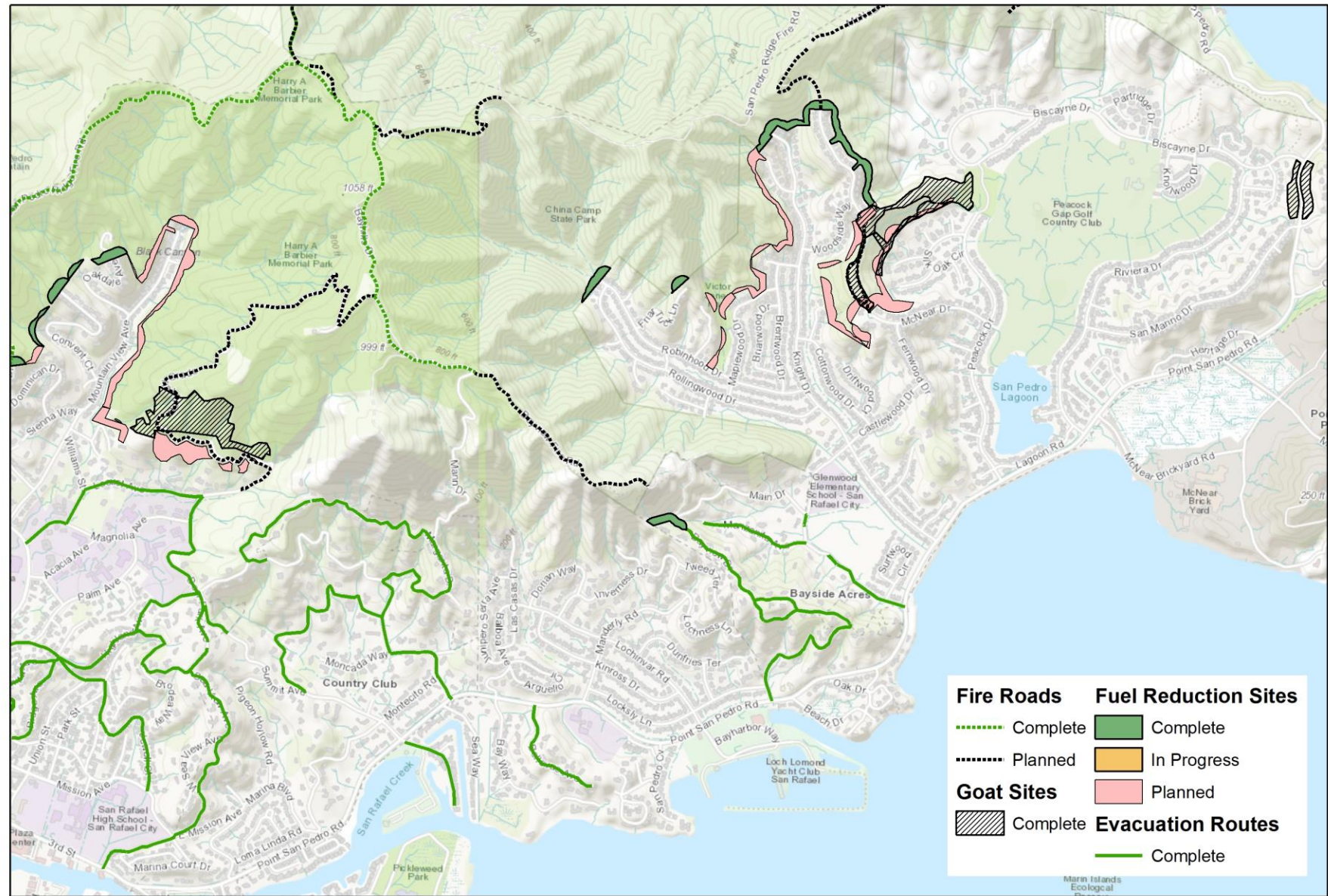
Myth Busting Debris Management

- How we manage debris disposal influences fire behavior
- Disposal of fuel from open space does not always have the same impact as disposal of fuel from around your home
- Types of fuel we manage:
 - Large logs
 - Small diameter branches and twigs
 - Chipped material



Project Map

- Defensible Space Fuel Reduction
- Goat Grazing
- Fire Road Vegetation Clearance
- Evacuation Route Vegetation Clearance



San Pedro Road Coalition
Wildfire Mitigation Projects

East San Rafael Vegetation Projects

West San Pedro Fuel Reduction

- Eucalyptus removal, oak woodland restoration
- CEQA filed

San Rafael Open Space Fuel Reduction – Phase 2

- Shaded fuel break
- Defensible space zone within 100'-150' of structures
- CEQA filed

Fire Road Vegetation Management Phase 2

- Strategic fuel break from road edges
- CEQA filed

Prescribed Herbivory

- Flashy fuel management in defensible space zone and strategic areas
- CEQA filed

Action Items

- Organize and participate in Broom Pulls
 - Don't transport invasives and diseases
 - Focus on house out approach
- 
- A large yellow triangle is positioned in the bottom right corner of the slide, pointing towards the top right.

Resources



- MWPA/ San Rafael Grants
- Direct Assistance
- MWPA Chipper Days
- Defensible Space Inspections
- Firewise Communities
 - <https://firesafemarin.org/programs/firewise-usa/>
- CERT Teams
 - <https://www.cityofsanrafael.org/cert/>
- FireSafe Marin
 - <https://firesafemarin.org/>
- MWPA
 - <https://www.marinwildfire.org/>

Activity

What theme know still concerns you greatly?

Get into groups around those themes

Develop 1-2 pressing questions you still have

We will come back together and answer those questions

Themes

Personal Preparedness

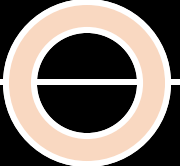
My neighbors

Evacuation

Alerts and Notifications

Defensible Space and Home Hardening

Open Space/Undeveloped Land



An Action Step I will
take is...



Final Questions

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