



Proactive Wildfire Preparedness Programs for Municipalities: WIN



Presented by:
Vince Anderson | Fire Marshal
Redlands Fire Department

Presenter Thank you's & Introduction

Vince Anderson

- Fire Marshal, Redlands Fire Department (CA)
- BA in History & Public Affairs and in MPA Disaster Management
- CPSE Designated Fire Marshal & Registered Instructor with CA State Fire Marshal
- Passion of bridge-building between fire prevention & our allied professions



City of Redlands

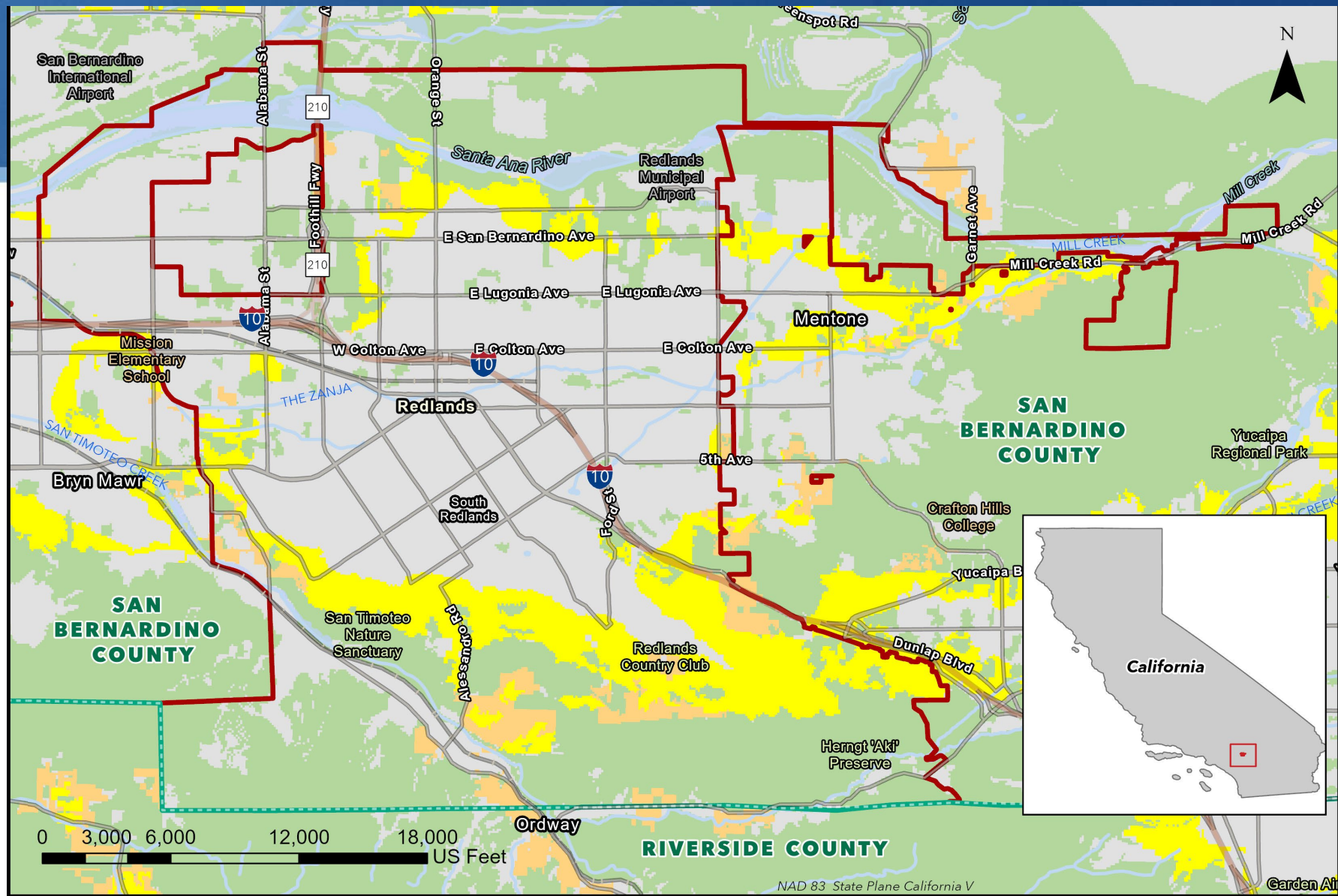
City of Redlands

- Thank you to Fire Chief Sessler, my Team, & and City Leaders
- Southern California, inland from Los Angeles
- 75,000 Population over 35 square miles, 1/3 of the city Wildland area
- Esri GIS Mapping Company HQ, University of Redlands

Redlands Fire Department & CRR

- Established 1888, 4 station department, approximately 75 personnel
- Major expansion and revitalization to historic downtown district
- “Preserving the Past while Protecting the Future”





- Legend**
- | | |
|--------------------------|-----------------|
| Wildland Urban Interface | Hydrology |
| Not WUI | Water Body |
| Vegetation Areas | CWPP Boundary |
| Intermix | County Boundary |
| Interface | |

Redlands CWPP Wildland Urban Interface (WUI)

Data source: CAL FIRE Fire and Resource Assessment Program (FRAP)

City of Redlands
Fire Department
Author: Redlands GIS
Date: February 2025

Thank you for joining us



Glad you're here because we all have a seat at this table, municipal management is a key to success, and community risk reduction is all around us

Presentation Overview



***Community
Risk Reduction***

***Work
Together***

Innovate

***Next level &
Sustainability***

What is CRR?

Where have we
come from and
how has this set us
up for success?

Where are we now
and what modern
day challenges do
we face?

Where are we
going and what
tangible steps can
we begin taking?

-Recognize existing (and often overlooked) CRR efforts in your community

-Identify incremental attainable actions to start or enhance these CRR efforts

Community Risk Reduction Concept

What is Community Risk Reduction?

Identifying and utilizing all community resources as much as possible to minimize emergencies/response



CRR Core Components



- CRR is different than 'Fire Prevention'
 - All Risk Departments – All Risk Mitigations
- Fire Prevention – early embracers because of existing proactive nature
- City Management is

Work Together



Work
Together

W – Work Together

Identified Challenge:
Limited Resources for
Mitigation Programs

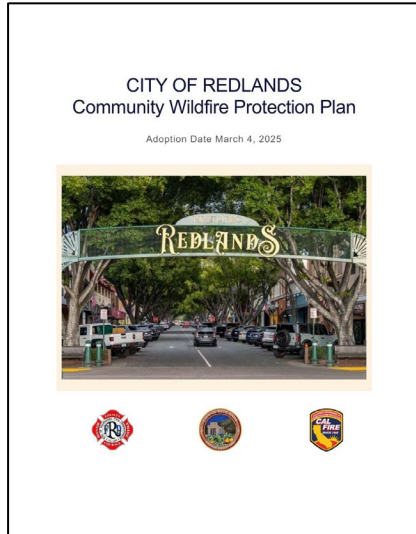
Action:
Expand on existing
partnerships and establish
new agreements for
shared benefits



W – Work Together



Public Sector Partnerships



Development of
Community Wildfire
Protection Plan &
CA Fire Risk Reduction
Community List



Interagency Fire Center
Seasonal Fire forecasts
& Mitigation timing



Fuels Management Projects
with CA Conservation Corps
& Team Rubicon

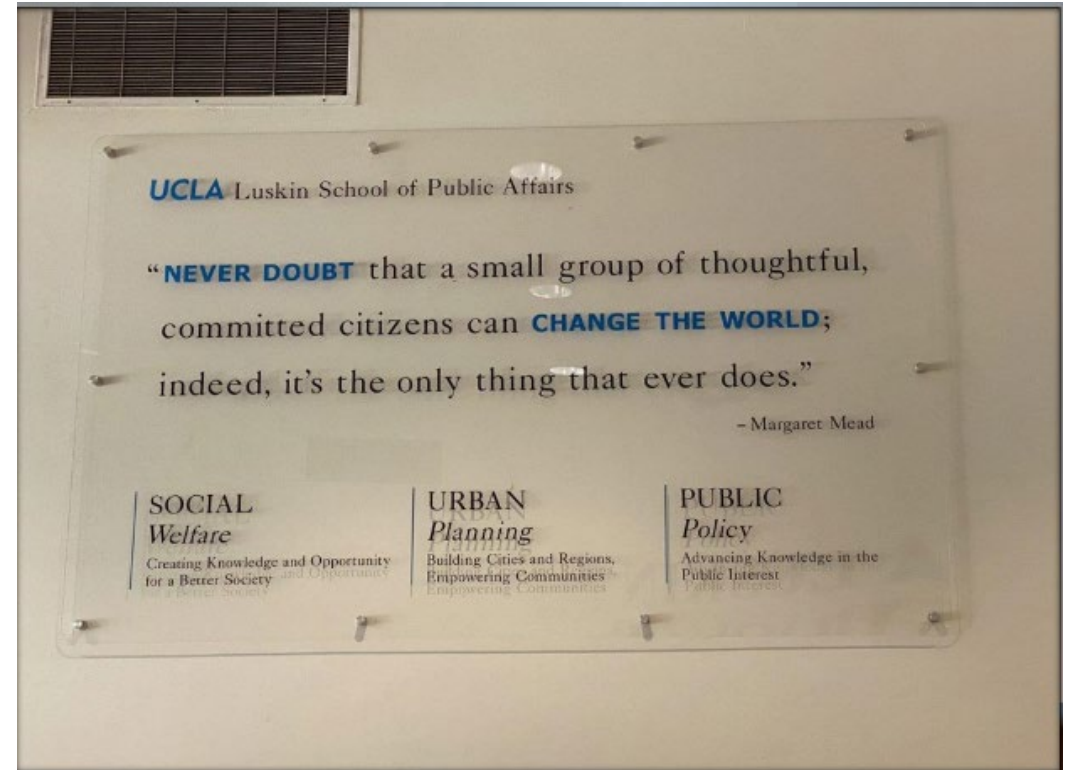
W – Work Together

Community & Private Sector Partnerships



- Fuels Management & Mitigation
 - Outreach with land managers of large privately owned parcels
 - Open Space & Conservancy Groups
 - Team Rubicon NGO involvements

Innovate



Work
Together

Innovate

I – Innovate



Identified Challenge:
Limited Resources
for Outreach and
Awareness Programs

Action:

Utilize existing services
and workflows to
as starting points
to increase
public awareness

- Partners – Landowners, educational institutions, local, state, and federal agencies.
- Fire Safe Councils & Firewise Communities
 - Grassroots efforts led by community members
 - Non-profits that can apply for various grants
 - Can provide organized chipping days, defensible space inspections, special needs assistance, CWPP, etc.

I – Innovate

Tangible CRR in the WUI

- Utilize existing services and workflows to as starting points to increase public awareness
- Tried & true mailers: Post cards, utility bill inserts
- Infuse outreach & voluntary compliance with existing regulatory programs: Plan review permit packets.
- Fire stations as examples– Newport Beach #8
Defensible Space, five-foot non-combustible zone, and fire smart landscaping. Available for the public to visit and get ideas/information.
- Volunteer & NGO involvement: CERT & Red Cross program
- HOAs, community organizations, community new letters, local tv and media, etc.



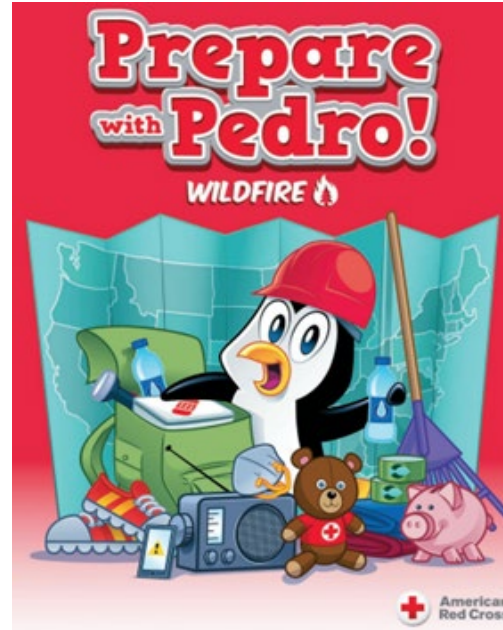
I – Innovate



Wildfire resistant features for new construction

Public Education handouts with issuance of new construction permits at remodels

Outreach



Red Cross and NGO coordination



Tried and True Postcards & Tape measures

Next Level Sustainability



Work
Together

Innovate

Next
Level

N – Next Level Sustainability



Identified Challenge:

Record efforts for ongoing organization success

Action:

Begin utilizing timeless & readily accessible databases

- Digital Technology
 - GIS Layers
- Physical Technology
 - Wildfire detection cameras
- Emergency Alert System
 - Both opt-in and reverse 911 capabilities

N – Next Level Sustainability



Sustainability & Championing

Effective knowledge retention leveraging GIS

- Tracking of parcel compliance & trending
- Mapping fuels management areas for future mitigation managers
- Uploading annual Fuels Management areas to USFS/DOI LANDFIRE GIS Database for insurance modeling benefits



N – Next Level Sustainability



Detection & Evacuation

Detection

- Emerging technology of AI based cameras & sensors
- ALERTCalifornia Camera Network



Evacuation

- Outreach to community to preregister for alerts
- Roadways maintained & multiple routes identified



Closing Thoughts



Closing Thoughts

Most important takeaway:

Municipal leadership and support is key to coordinating interdepartmental community risk reduction for wildfire preparedness





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