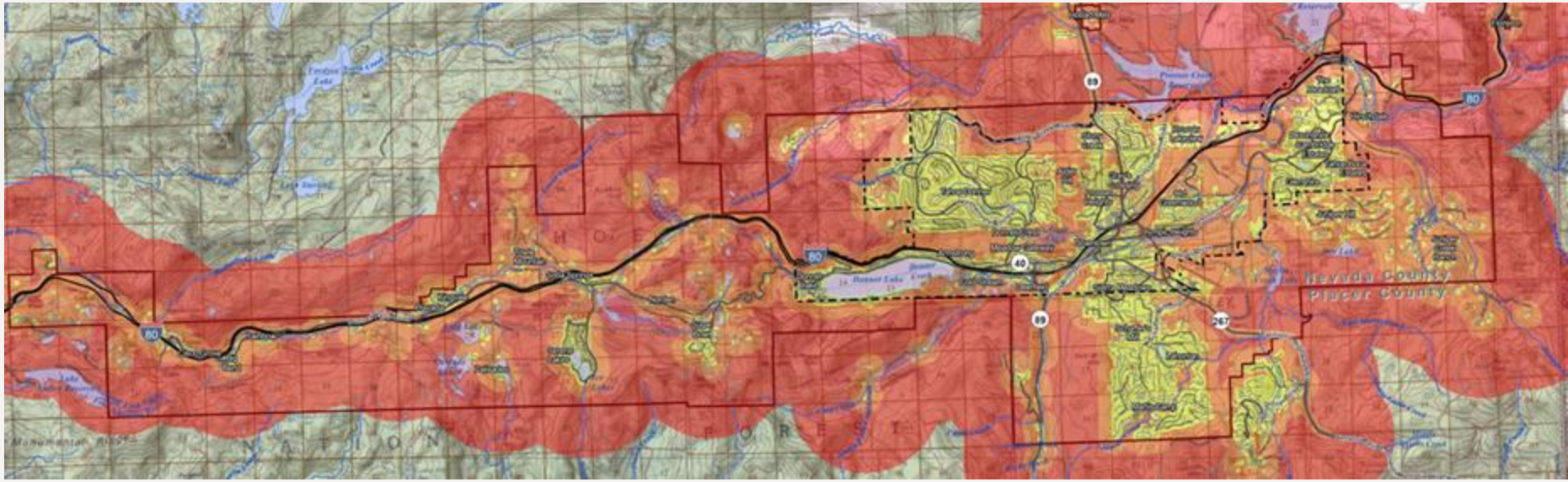


# Truckee Fire Community Wildfire Prevention Fund: 2022 Accomplishments & 2023 Program Update





## **Reducing the threat of wildfire in the Truckee and Donner Summit wildland urban interface areas.**

On September 14, 2021, Measure T was approved by 79% of the voters.

This \$179/parcel for the next 8 years special tax creates an annual \$3.7 million dollar Community Wildfire Prevention Fund.

All of Measure T funds are managed by Truckee Fire and are dedicated to local fuel reduction & wildfire mitigation projects that aim to increase Truckee's wildfire preparedness & resilience.

# Wildfire Prevention Team.



**Kevin McKechnie**  
Fire Chief

*Support &  
Leadership*



Measure T  
Citizens  
Oversight  
Committee

*Financial  
Oversight*



**Eric Horntvedt**  
Wildfire Prevention  
Manager



**Maria Marsh**  
Wildfire Prevention  
Specialist



**Dillon Sheedy**  
Asst. Wildfire Prevention  
Manager, Forester



4 Defensible Space  
Specialists (seasonal)



An aerial photograph of a residential neighborhood built on a hillside. The houses vary in style, including a large wooden house on the left, a white house with a grey roof in the center, and a white house with a grey roof on the right. The background shows more houses and a large building on a higher elevation. The text "CURBSIDE GREEN WASTE PROGRAM" is overlaid in large white letters across the middle of the image.

# CURBSIDE GREEN WASTE PROGRAM

# 2022 Curbside Green Waste Overview.

8,570 cubic yards of flammable material removed.

Residents cited this program as the motivator to remove almost 6,000 cu yards

2,478 piles serviced district wide\*

39% participants had more than 1 pickup

## Driving investment by residents

For every \$100 spent on this program, the community invested \$121 and 4.6 hours in

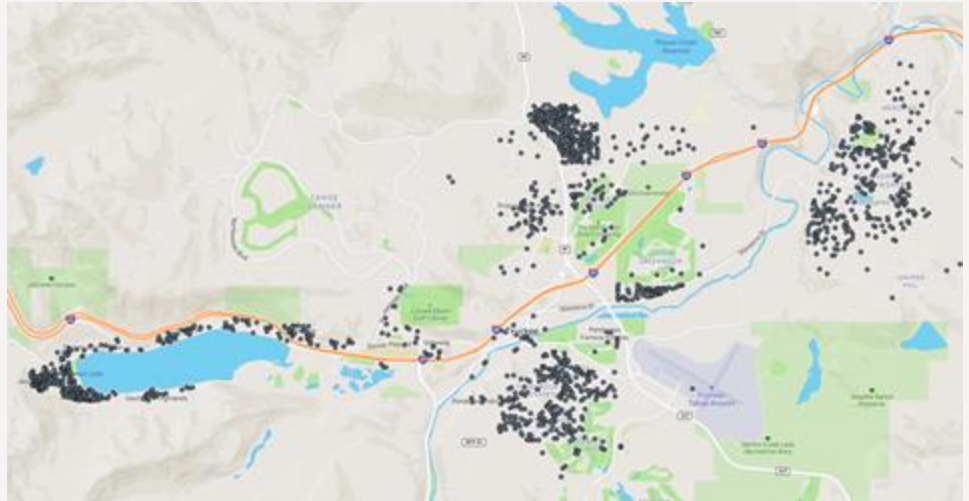
## Green Waste Dumpster Support

Truckee Fire offered \$75 rebates for 6 yard green waste dumpsters, and processed 336 Rebates

*\*Excludes Tahoe Donner, Martis Camp, & Lahontan communities which ran their own program*

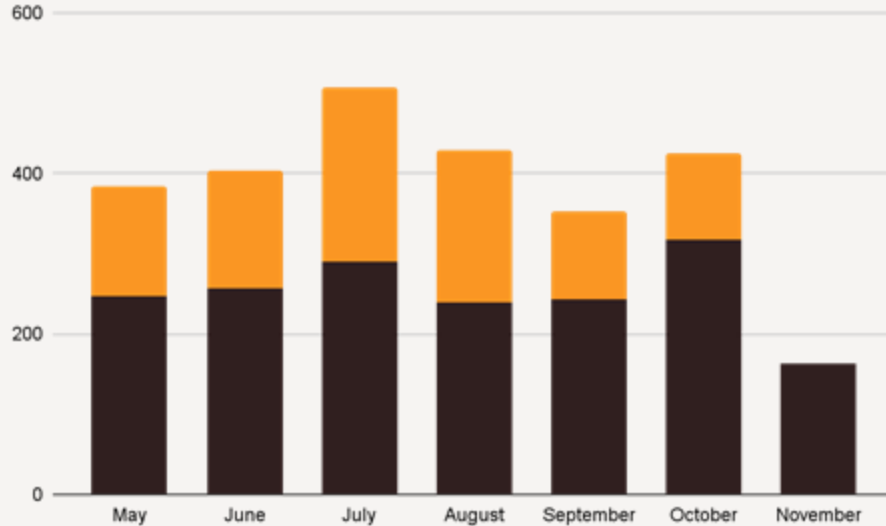


2022 Reservations - Donner Summit Area

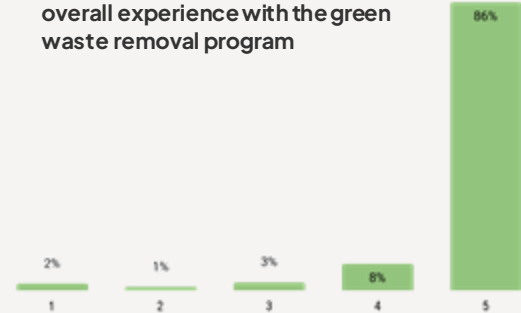


2022 Reservations - Truckee Area

# 2022 Curbside Green Waste Activity Summary.



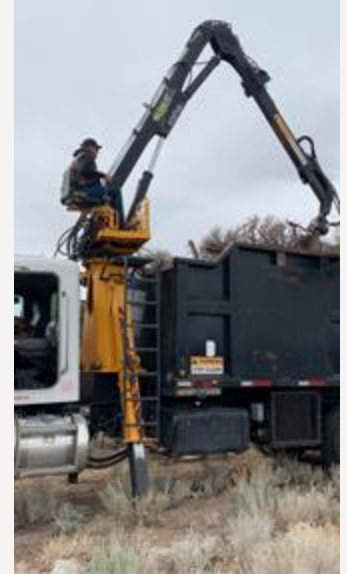
4.8 out of 5.0 average rating on overall experience with the green waste removal program



|                    | Pickup | Chipping |
|--------------------|--------|----------|
| Cubic volume       | 6,579  | 1,991    |
| Completed services | 1,887  | 949      |



# Removing Fuel from the Community: **Pick-Up & Haul Away**



# Removing Fuel from the Community: **Chipping**







# Defensible Space & Home Hardening Evaluation Program

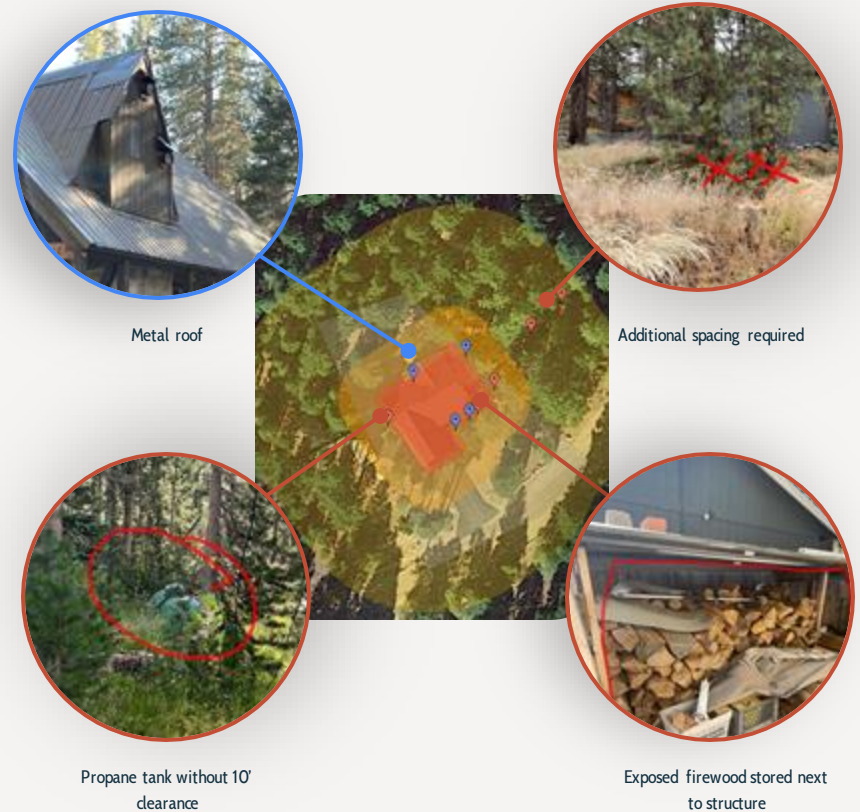
# The DSI program...

**“Defensible Space Inspection”**

...is designed to educate the public about structure ignitability and how they can take reasonable actions to create effective defensible space that reduces fire risk at their individual property, and promotes wildfire readiness and resilience in the community.

## Goal:

Ensuring every home in Truckee Fire District has access to an in-person evaluation at least once every 3 years.

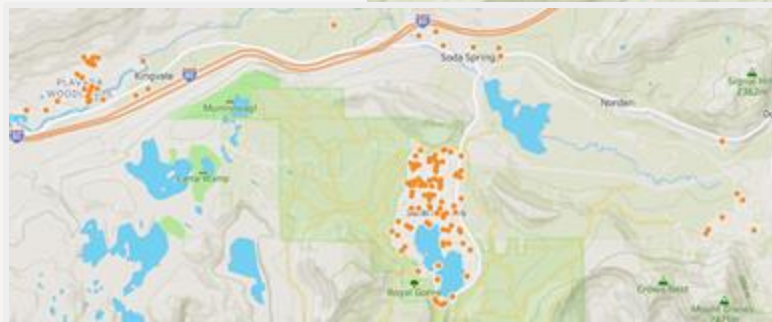
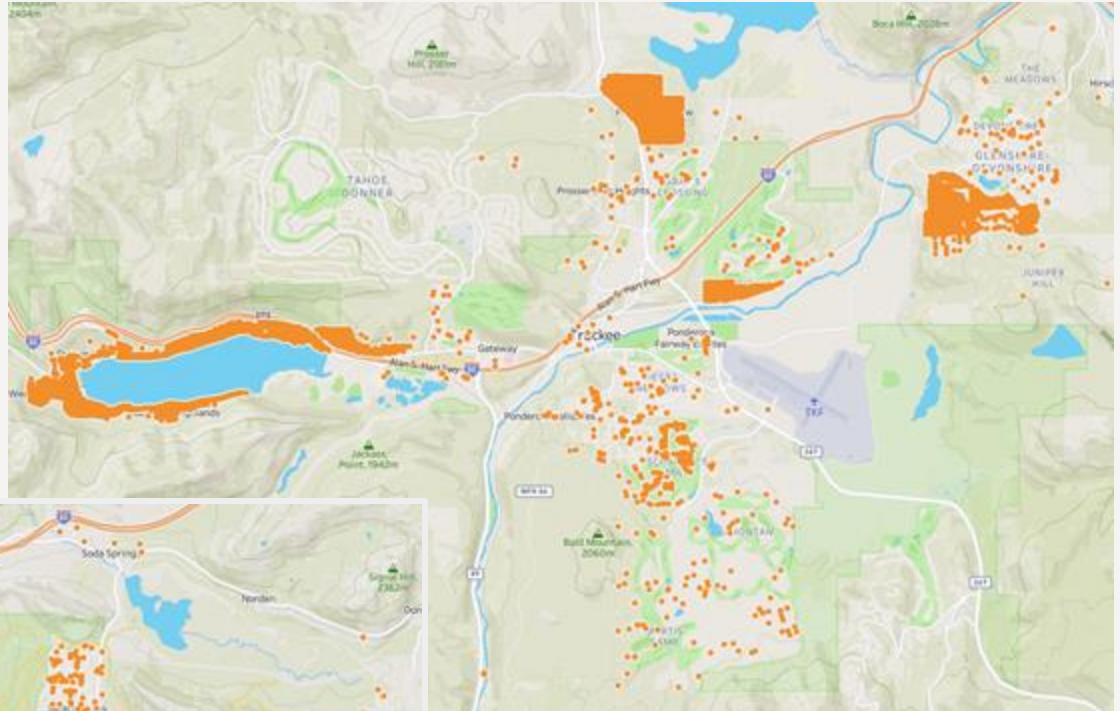




# DSI Activity.

The **2022** defensible space program provided over **4,050** homeowners (**24% of homes**) with an in-person evaluation.

This led to over **46,000** personalized recommendations for the community and **2,700** hours of direct engagement.



It is worth noting that many HOAs & Communities in Truckee perform their own defensible space inspections. This includes but is not limited to: Tahoe Donner, Martis Camp, Lahontan, Glenshire-Devonshire, Serene Lakes, and Gray's Crossing. TFPD is supportive of this local approach and is working to get all of these communities access to the same inspection program that the Fire District uses.



# Impact: Reducing risk for the community.



**Before and After:**  
Combustible stored under  
stored under deck cleaned  
up to remove ignition  
materials & propane tanks.



**Before and After:**  
Vegetation close to  
structure and  
overhanging roof.



# Zone 0 Defensible space remains a high priority.



61%

...of homes evaluated had some type of vegetation within 5' of their home

Despite efforts by residents there is still work to do in the area close to structures to reduce community risk.

29% of homes had trees over the structure

19% of homes had pine needles & tree litter on roofs and gutters

13% store firewood within 5' of their home.

# Home Hardening Opportunities.

The program's top efforts focuses on education to help residents do two things:

1. create defensible space, and
2. **Retrofit their homes to “harden” against embers & radiant heat during wildfires.**



## Top Home Hardening vulnerabilities:

38% of homes have screens >1/8”



24% of homes have exposed space under decks



Some opportunities to improve home hardening may come at significant cost. These should usually be addressed during renovations or after other DS & HH items are resolved:

|                  |                |
|------------------|----------------|
| Unenclosed eaves | 51.1% of homes |
| Softwood decks   | 45.8% of homes |



An aerial photograph of a mountain valley. In the center, a large, dark blue lake is surrounded by dense green forests. A winding road curves through the hillsides, and a multi-lane highway runs along the right side of the valley. In the foreground, there are several smaller ponds and a cleared area. The background shows rolling mountains under a clear sky.

**How is Measure T Making a Difference  
in Your Community?**

# Increasing Capacities and Sharing Resources

**TFPD has worked closely with Tahoe Donner Forestry since the passage of Measure T**

- **New Technology and software (fireside)**
  - Defensible Space Inspections
  - Greenwaste reservations system
- **Sharing Capacities to Increase Resilience**
  - RPF support
  - Defensible space training
  - CEQA compliance
- **Sharing Resources to get more done!**



# Increasing Pace & Scale of Forest Management

Grant funded fuel reduction projects

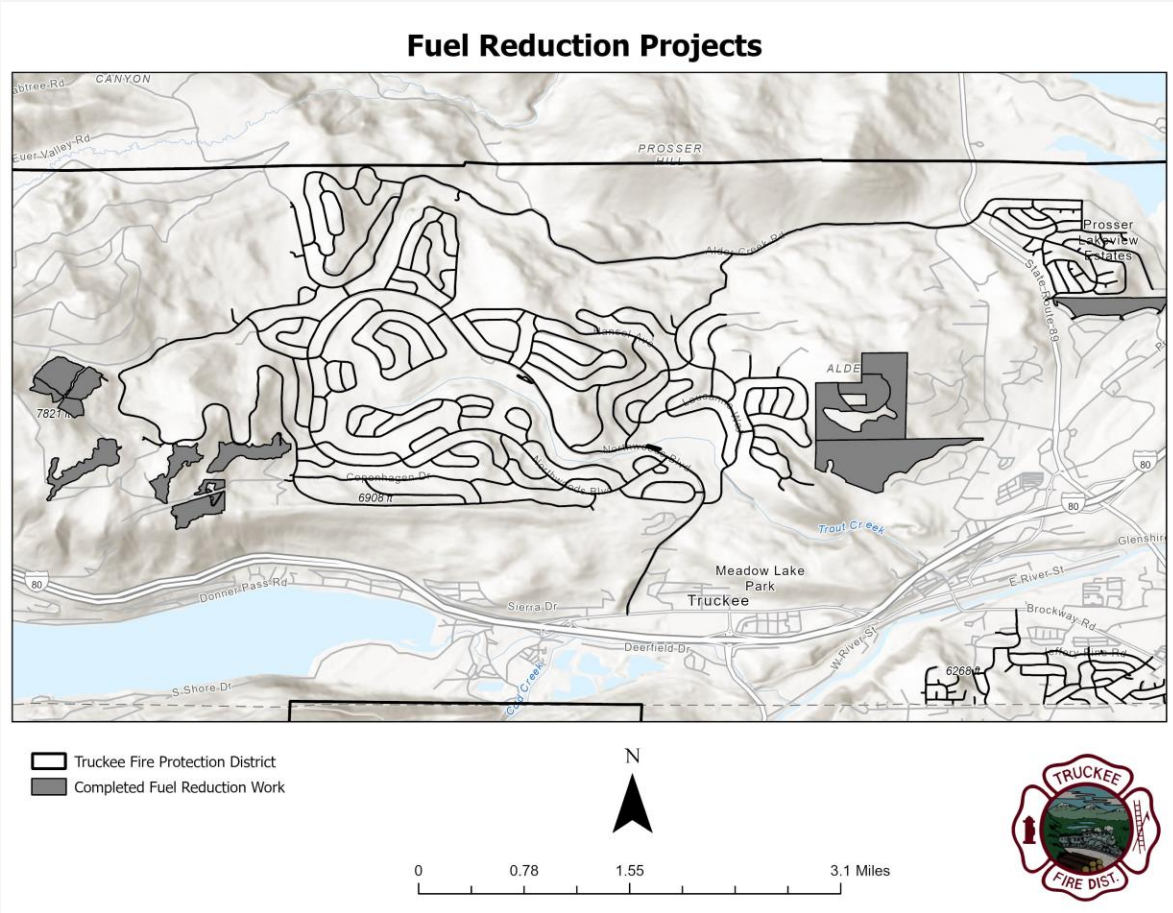
**CAL FIRE Wildfire Prevention Grant- 709 acres total**

**Town of Truckee- ROW Roadside (10' either side of the road) Work Completed in Tahoe Donner, Glenshire, Sierra Meadows, Prosser**

**Alder Hill HOA- Fuel Reduction**  
• 143 acres

**Pine Forest TDLT- Fuel Reduction**  
• 120 acres

**Tahoe Donner- Fuel Reduction**  
• 189 acres





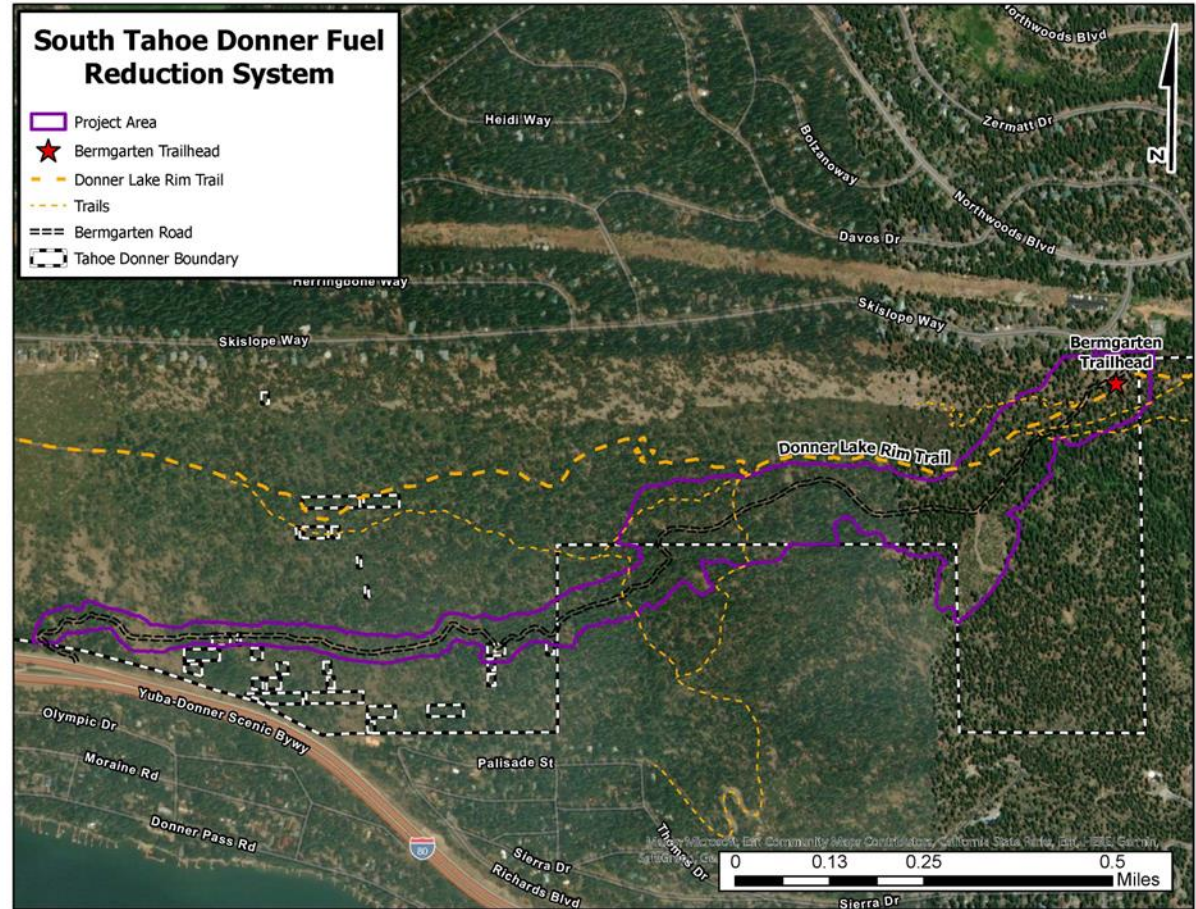
# Funding Incremental Work

## 2022 TFPD Wildfire Prevention (Measure T) Projects- Pilot Grant Program

Tahoe Donner - Awarded \$230,860

82 acres funded by Measure T (additional acres that ties into/expands CAL FIRE grant work)

Over \$500,000 of Measure T committed in 2022 via local block grant pilot program to fund important forest management and fuels reduction projects





**Before**



**During**





**Before**



**After**

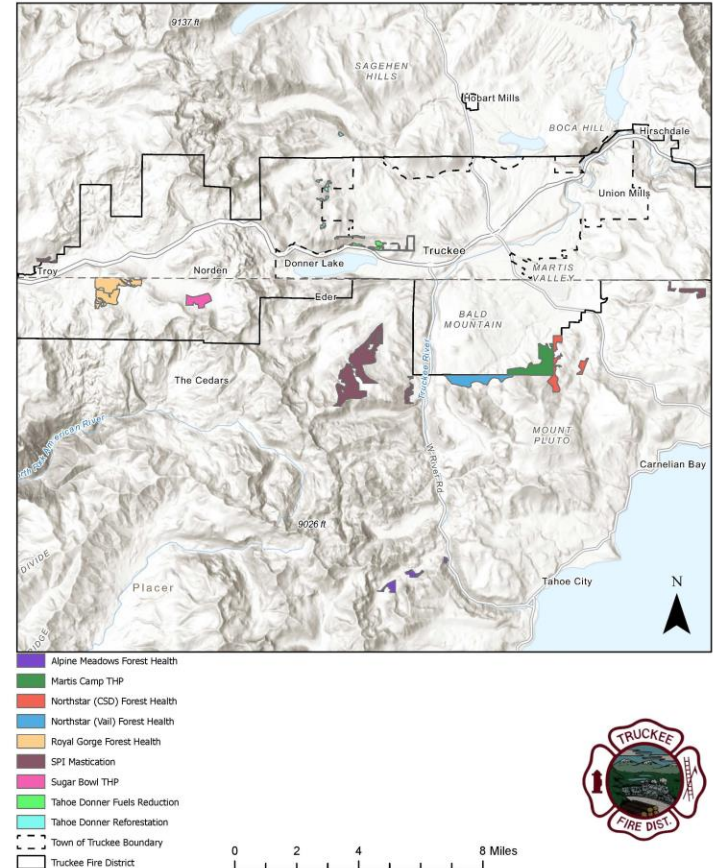




# Regional Forest Health Grant Application Submitted

- Collaborative and multijurisdictional Forest Health grant proposal
  - \$8.5 Million project was created
  - **Application for \$7M was submitted to the CAL FIRE Forest Health Program for state grant funding**
  - \$1.5 Million provided as cash match from partners
  - Project includes nearly 3,000 acres of forest management projects
    - Partners include: Martis Camp, Northstar Fire, North Tahoe Fire, Sierra Pacific Industries, Northstar Resort, Sugar Bowl Resort, Truckee Donner Land Trust, and Tahoe Donner Association

Nevada & Placer County Cooperative Landscape Resilience Project



# Improving Evacuation Planning





## Fire Evacuation Planning Software

Partnered with the Town and secured contract with Ladriz.

The Town is taking the lead to work with Ladriz to effectively simulate and model evacuation scenarios to understand how long it will take to clear certain areas.


Outputs from this in-depth modeling will be included in the Community Wildfire Prevention Plan to help guide and prioritize evacuation improvement projects like fuel reduction and fuel breaks near primary evacuation routes.

**More info:**

<https://www.sierrasun.com/news/town-of-truckee-employs-fire-evacuation-planning-software/>





A scenic view of a town with historic buildings and a forested hillside in the background. The text "Community Wildfire Protection Plan" is overlaid in the center. The image shows a mix of architectural styles, including a large tan building with a tiled roof, a brick building with a balcony, and a white building with teal accents. An American flag is visible on a pole in the background. The foreground features several tents, suggesting an outdoor event or market.

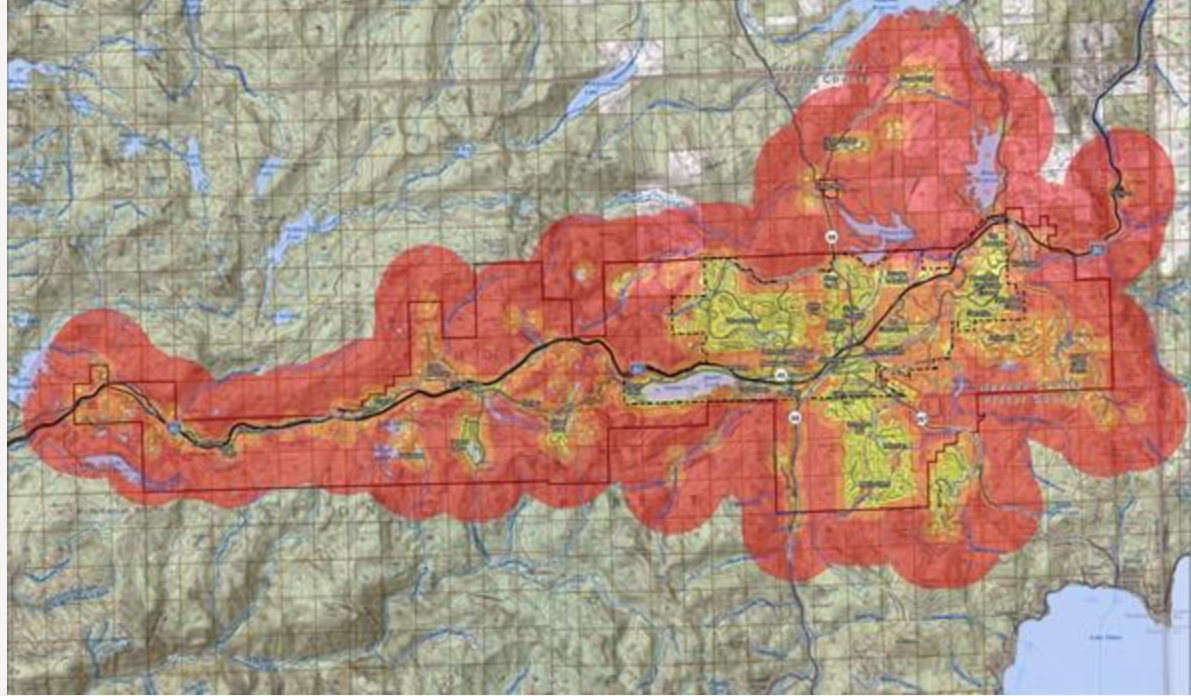
# Community Wildfire Protection Plan

# Community Wildfire Protection Plan

## What is a CWPP?

A CWPP is developed through a collaborative process to identify and prioritize hazardous fuels reduction treatments communities.

A CWPP also recommends measures to reduce structural ignitability and addresses wildfire response, hazard mitigation, community preparedness, and other wildfire issues.



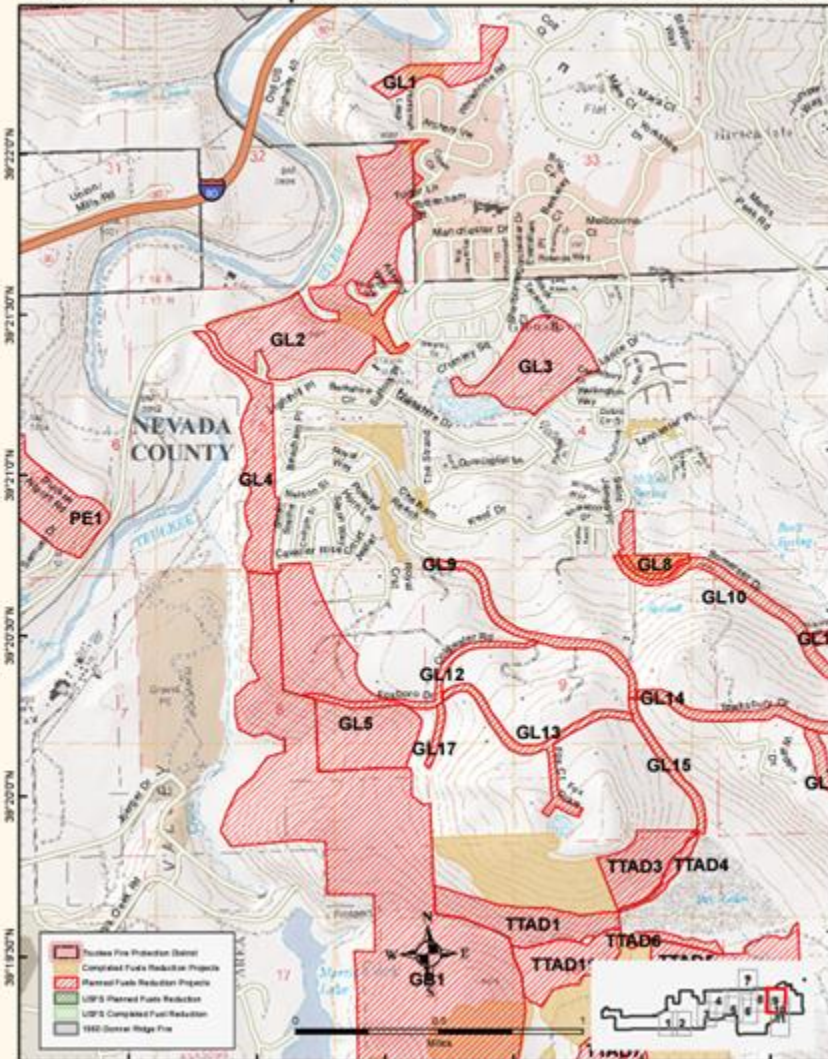


# Truckee CWPP History

Truckee Fire facilitated the first Truckee CWPP in 2016. We also performed a mapping update in 2019.

With the passing of Measure T, and considering the age of the plan, it is important to perform a comprehensive update to the CWPP.

This CWPP update will give the District an opportunity to engage with partner agencies & land managers, and most importantly will give the community a voice in the plan as we all work to develop a comprehensive wildfire mitigation roadmap that be used to best prioritize implementation of the Measure T Community Wildfire Prevention Fund.





# CWPP Goals and Objectives

## Purpose:

serve as a framework, and wildfire mitigation roadmap to identify and prioritize future wildfire protection projects, and foster a community wide collaborative approach to reduce wildfire risk and hazards to life, property, and natural resources.

## Goals:

- Enhance Fire & Life Safety
- Mitigate Wildfire Impacts & Create Wildfire Resilient Communities
- Convene Decision Makers & Land Managers
- Engage Community & Stakeholders
- Establish Community Priorities
- Restore & Maintain Fire Resilient Communities & Landscapes



## Objectives:

- Provide for public and firefighter safety by improving fire preparedness, prevention and increasing mitigation efforts
- Identify and quantify risk and hazards at a community-scale, and measures to reduce these risks and mitigate hazards
- Collaborate with key agencies, stakeholders, and the public to develop a multi-jurisdictional CWPP that fosters close cooperation and support
- Develop an implementable and prioritized plan for risk-reduction activities and monitoring that promote wildfire resilience in Truckee both short and long term
- Align the Truckee CWPP with existing and future wildfire and fuels planning documents and strategies of partner agencies
- Ensure wildfire mitigation efforts are appropriate for the forested WUI intermix communities of Truckee, and take into account the growth of Truckee communities

# Overview of the CWPP Process

## Procurement for Special Services:

SWCA Environmental Consultants selected as prime consultant for CWPP update - Entered into agreement on 11/10/22.

Contract with Vibrant Planet executed on 12/22/2022 to utilize Land Tender software application products.

## Risk Assessment

ongoing-Integrative approach with SWCA & Land Tender

## Evacuation Modeling

Ongoing - Integrative approach using Ladris

## Project Team

Key agency partners meeting monthly to facilitate and guide the CWPP update

## Stakeholder Meetings

4 planned with key stakeholders and Land Managers

## Community Workshops

4 planned equitably throughout the District (Summer 2023) & 1 virtual

## Multiple Drafts & Public Comment

The document will be developed & reviewed by consultants, project team, stakeholders, and the public. We want the community involved in the plan!

## Winter 2023 Planned Completion of the CWPP



# 2023 Goals & Program Expansion



# Maintain & Expand New Programs

## Maintain Existing Core Programs:

- Defensible Space Inspections & Education
- Curbside Green Waste Pick-Up
- Forest Management & Fuel Reduction Projects
- Community Wildfire Protection Plan

## Develop New Programs to Support Community:

- Home Hardening Retrofits
- Dead Tree Removal
- Elderly, Disabled & Low Income Defensible Space
- Measure T - Community Wildfire Prevention Grants

# Thank you Truckee!



Nevada Fire Safe Council Chipping Crew Member

Wildfire prevention, preparedness, and resilience is a community effort. It takes all of us working together to effectively reduce wildfire risk. Let's all keep creating effective defensible space, hardening our structures to reduce ember ignition, and proactively reducing the amount of combustible vegetative fuels in and around our many communities. Through community engagement we can make a wildfire resilient Truckee!

- Eric Horntvedt, Wildfire Prevention Manager



Full Length Report Available:

[truckeefire.org/wildfireprevention](http://truckeefire.org/wildfireprevention)