



# Wildfire City Project

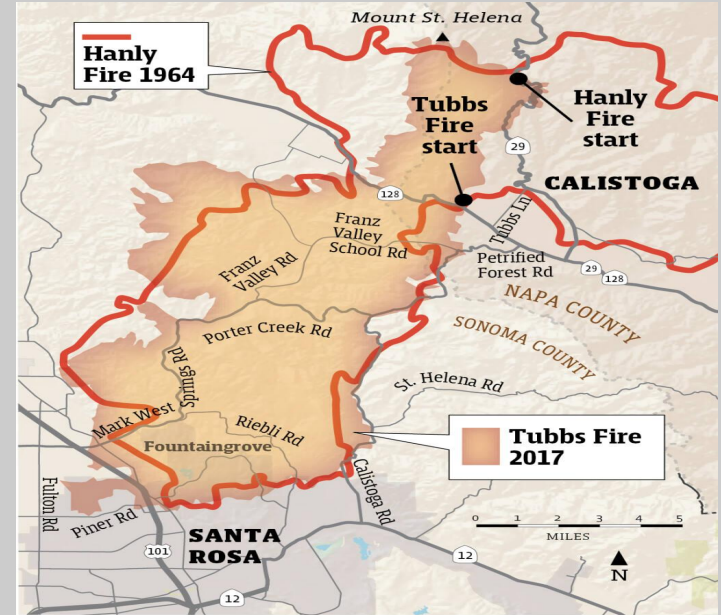
By: Hayley, Robert & Marvella



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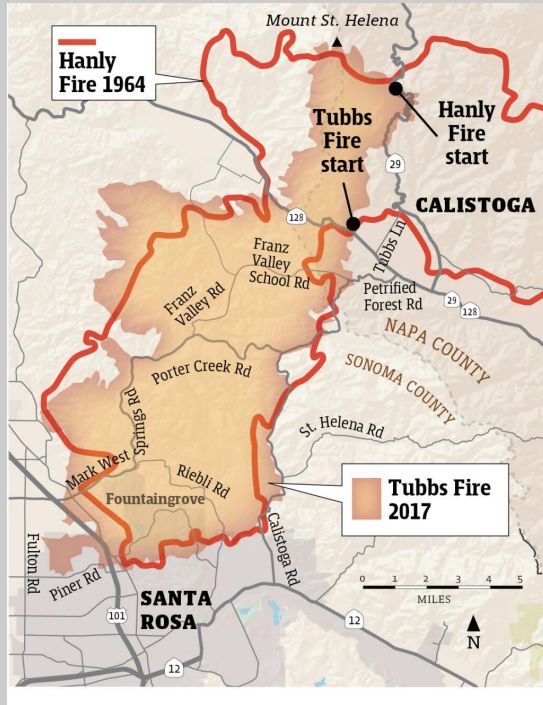
# - Challenge -

- ❑ Our community has gone through many disastrous wildfires, that affects homes and overall the whole community and wildlife.
- ❑ Fountaingrove is a hot spot for these fire to be showing up
- ❑ We have had to recover and rebuild 2,834 houses that were burnt down in fountain grove community
- ❑ Showing how big of a problem this is to surrounding areas and further the securities to help provide a safe and nice neighborhood for the community.





# -Existing Conditions-



- Knowing that fires have a tendency to be located there we should make sure that the community is safe and more fire resistant for the years to come.
- 22 people died in the Tubbs fire
- 1,800 houses destroyed in the fountain grove community
- Economic loss was \$1.5 billion



# Existing conditions: Tubbs Continued....

## Who was affected?

- ❑ A lot of people were affected by what happened in the 2017 Tubbs Fire, and not only people that lost their homes
- ❑ Wildlife and animals were affected
- ❑ People that didn't survive because they didn't have time to escape
- ❑ The smoke, causing a lot of people in the community to wear mask because of how much smoke there was affecting their lungs
- ❑ Businesses being closed because of the fires/schools not being in session



# Importance to challenge

As a community we should do everything possible to prevent these fires from restarting! The planet doesn't need more fires, it needs more peace. Our group thinks that all of these solutions are extremely important and necessary for our planet and our city because that's the last thing we need right now!



# - Lessons Learned -



Over the course of learning about fountain grove and Santa Rosa fires we've grown to see the securities and measures The Guided Plan covers to keep its city safe from wildfires. There are many different ways to help those affected by the fires, not only during but also after. we've also learned several ways to prevent fires and/or help decrease the amount of fires that occur yearly.



# - Solutions/Preventions -

- ❑ Fireproof construction materials (cement, brick & Stone)
- ❑ Fireproof landscaping plants
- ❑ Clean any debris or combustible materials
- ❑ Maintain lawn, bushes & trees cut and/or trimmed
- ❑ Always have fire extinguisher handy
- ❑ Always check for a fully functioning fire alarm system
- ❑ Changing locations where fires occur more often



# - Short Term Recommendations -

Some short term recommendations are..

- ❑ More fire resistant material when building up there
- ❑ Adding more escape routes for families to get out safer and quicker
- ❑ Making sure the plants up there are well kept up on and slowly getting more fire resistant plants



Succulents	More Fire Resistant
Ground Covers	
Turf	
Annuals	
Perennials	
Deciduous Trees	
Shrubs	
Grasses	
Conifers	Least Fire Resistant



# - Long Term Recommendations -

For long term recommendations...

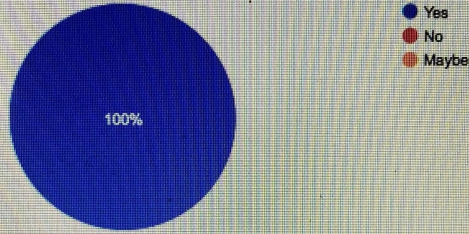
- ❑ Slowly move houses, and buildings away from that area if a fire strikes again and have the area for something else
- ❑ More spacing for the houses (have them farther apart from each other) so there less likely to spread fires and have less buildings destroyed



# Survey Results:

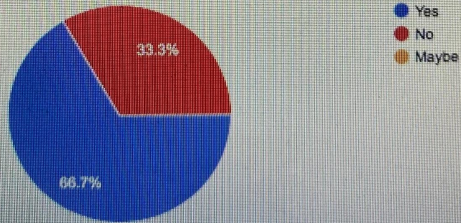
Would you consider replacing materials around your home for more fire resistant materials?

3 responses



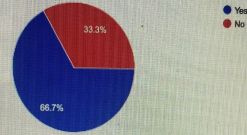
Would you consider replacing plants with more fire resistant plants around the community?

3 responses



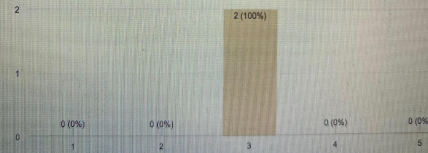
Were you impacted by the fire?

3 responses



How safe do you feel in the fountain grove community (from fires)?

2 responses



How long have you lived in Fountain Grove?

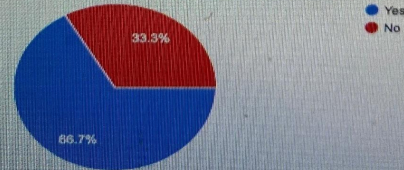
2 responses

2 years

I don't love there, but do work there.

Did you live in the area or know someone that lived in the area when the Tubbs Fire in 2017 happened?

3 responses



# - SOURCES -

- ❑ [FIRE-PROOF HOMES](#)
- ❑ [A walk in the ashes of the Tubbs Fire: Five years after Sonoma County's worst disaster](#)
- ❑ [California wildfire that killed 22 in wine country was caused by homeowner equipment, not PG&E](#)