

Discussion Outline

Agenda Item: 3a. Quarry Park Crown/Wildfire Risks

March 10, 2021

1. **Introduction** – Dan Haggerty (5 mins.)
2. **Crown Wildfire Risk** – Slide show – Keith Mangold (20 mins.)
3. **Implications and Next Community Steps** – Gregg Dieguez
 - a. [Lessons from Oakland Hills Fire \(1991\)](#) (5 mins.)

[From FEMA]... in California, when the Santa Ana (or Diablo) wind is blowing, and a fire occurs in a susceptible area, there is very little that any current fire suppression forces or technologies can do to resist the spread of the fire. The results will depend mainly on the fuel that is downwind from the fire and the length of time that the wind continues to push the fire in that direction.

 - i. **What *did not work*:**
 - a) *The fire completely overwhelmed the firefighting forces of the area, consuming everything in its path, and was only stopped when the Diablo wind conditions abated.*
 - b) *Risk reduction measures had been studied and recommended for several years, but not implemented*
 - c) *Largest FF response ever recorded. Massive mutual aid provided by 440 engine companies and more than 1,500 firefighters.*
 - d) *Radio channels and communications center overwhelmed*
 - e) *FF Command problems*
 - f) *The conditions for a long “jump” were perfect and the fire spread rapidly into an entirely new area.*
 - g) *It is not clear that even an early series of aerial attacks could have controlled this fire.*
 - h) *interior automatic sprinkler systems had no value in protecting the structures from ignition.*
 - ii. **What *might have worked*:**
 - a) *It may have been feasible to protect some of the structures with exterior sprinkler systems, if adequate water flows and pressures had been available and the more severe exposures to wildland fuels had been reduced.*
 - b) *Compressed Air-Foam Systems (CAFS) appear to be very useful in applying a thick foamy covering to protect severely exposed structures.*
 - b. Potential MCC actions re Quarry Park (Discussion)
 - i. **Potential MCC Letter Content**
 - a) *Fuel reduction*
 - b) *Priorities*
 - c) *Tree removal*
 1. *permitting*
 2. *chipping*
 3. *replanting (and mudslide prevention)*
 4. *maintenance*
 - d) *Fees and taxes (stimulates Grants)*
 - ii. **Modes of action**
 - a) *MCC Letter, Petition, Protests, Tax Boycott, Letter-writing campaign*
 - c. Broader Disaster Preparedness Issues (Discussion)

- i. Other fuel locations*
- ii. Evacuation*
- iii. Shelter*
- iv. Communications*
- v. Fire-fighting preparedness*
- vi. Risk reduction*
- vii. Home Insurance*
- viii. Who's responsible?*
- ix. Status reporting*
- x. Potential MCC role(s)*
 - a) Develop issues list*
 - b) Request Assessment*
 - c) Prioritize*
 - d) Plan/Fund*
 - e) Execute*
 - f) Audit status/completion*