

California Fires

What we know now, what is to come, and how to prepare for it

What we know



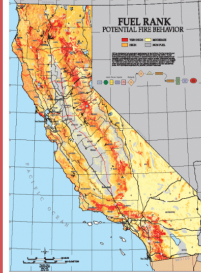
Temperatures are rising

Since 1970, average annual temperatures in the Western U.S. have increased by 1.9° F, about twice the pace of the global average warming.



Air Quality is decreasing

In result of the most recent fire, air quality index was considered **hazardous (200 AQI)** - the worst it has been in 20 years and for a period of time, the worst in the world. Average healthy AQI should remain below 35



The science

Hot air rises because it's less dense than cooler air. Heat energy created by hot gas warms the air around it, which lowers the density of the flame. The flame will then travel upward and spread with intense winds.



Fires are frequent

Within the last 14 months alone, Northern California fires have burnt over 20,000 structures and over 180,000 acres of land

Only the central valley is heavily irrigated making other parts of California prone to droughts and high fire behavior

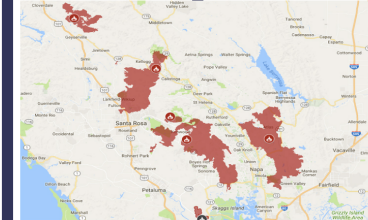
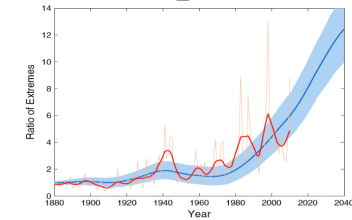
What is to come

Dryer summers

Temperate winters

Losses of homes

Change



Dryer/Hotter summers will result in temperate winters that have little to no precipitation thus resulting in droughts. These are key factors to the fires that arise. In result, homes are lost and areas are completely destroyed changing the orientation of Northern California's land and inhabitants.

How to prepare for a fire

01

Install alarm devices

Smoke alarms should be installed in every level of your home, inside bedrooms and outside sleeping areas.

02

Stay up to date

Test smoke alarms every month. If they're not working, change the batteries.

03

Plan Ahead

Talk with all family members about a fire escape plan and practice the plan twice a year. Have a fire kit with essentials and masks.

04

React

If a fire occurs in your home, **GET OUT, STAY OUT and CALL FOR HELP**. Never go back inside for anything or anyone.

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