

# 2017 Tree Mortality and Bark Beetle Emergency Response



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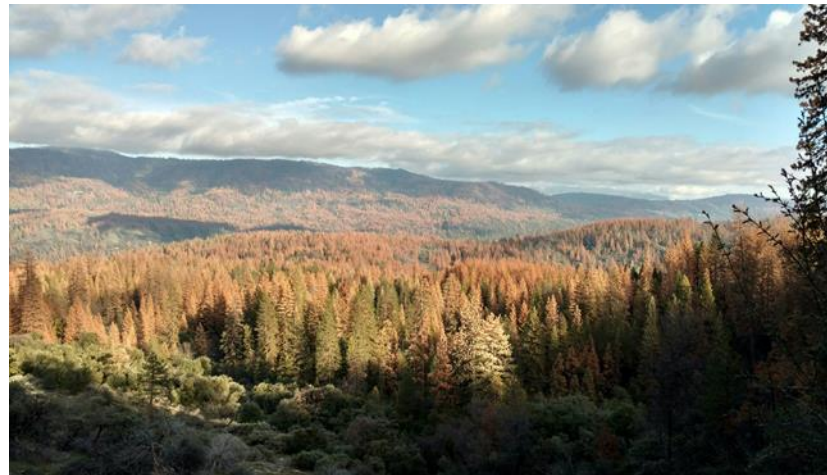
# 2017 Drought and Tree Mortality Work Summary

Initiative	Description	Metrics
Enhanced Inspection and Mitigation	<ul style="list-style-type: none"><li>• Mitigate dead/dying trees</li><li>• Red Flag weather day targeted inspections</li><li>• CPUC High Fire Threat District, “Tier 3,” inspections</li><li>• Wildland Urban Interface (WUI) inspections and Pole Clearing</li></ul>	<ul style="list-style-type: none"><li>• Approximately 140,000 dead/dying trees abated</li><li>• Approximately 65% of overhead distribution lines twice, CAL FIRE designated “Very High” Fire Hazard Severity Zone four times and CPUC HFTD Tier 3 inspected three times</li><li>• Approximately 1,100 poles cleared</li></ul>
Wood Management	Large wood management, biomass and saw-log deliveries	<ul style="list-style-type: none"><li>• Wood managed on approximately 3,900 properties</li><li>• Wood from approximately 29,000 trees disposed of</li><li>• Approximately 178,500 tons of biomass delivered since June 2016</li></ul>
Fuel Reduction and Emergency Response Access	Funding to Fire Safe Councils & other agencies to conduct fuel reduction and safe ingress/egress projects	<ul style="list-style-type: none"><li>• 42 projects funded and completed</li><li>• 21 counties</li><li>• Approximately \$2M</li></ul>
Early Detection of Wildfires	Funding fire detection air patrols, minor support to existing smoke detection cameras	<ul style="list-style-type: none"><li>• Approximately 250 fires detected</li><li>• Estimated 20 first reports</li><li>• Approximately 3500 hours flown</li></ul>
Public Messaging	Leverage CAL-FIRE’s public safety media campaign to promote fire safety	<ul style="list-style-type: none"><li>• Estimated 12 million digital impressions</li><li>• Estimated 250,000 emails sent &amp; over 31,000 opened</li><li>• Approximately 33 % of readyforwildfire.com website traffic went to bark beetle page.</li><li>• Pandora ads had approximately 0.7% click rate</li></ul>

# Inspection and Tree Mitigation Work

## 2018 Estimated Work *\*Subject to Change as Inspections and weather conditions progress\**

- Abate about 140,000 dead/dying trees
- Inspect about 51% of line mile twice and CAL FIRE designated “Very High” Fire Hazard Severity Zone four times
- Conduct a third inspection of CPUC Tier 3 areas during fire season
- Targeted inspections during Red Flag weather conditions





# Wood Management: 2017 & 2018 Estimate by County

\*Subject to Change as Inspections and weather conditions progress\*

Wood Removal Completed 2017		
County	Locations	Trees
Fresno	245	4900
Tulare	175	170
El Dorado	220	950
Nevada	310	1350
Placer	170	460
Sierra	10	40
Alpine	0	0
Amador	330	2900
Calaveras	930	5950
Madera	360	3500
Mariposa	300	3380
Tuolumne	850	5400
<b>Total</b>	<b>3900</b>	<b>29000</b>

Wood Removal Estimated for 2018		
County	Locations	Trees
Fresno	150	140
Tulare	50	70
El Dorado	210	600
Nevada	210	240
Placer	150	200
Sierra	0	0
Alpine	0	0
Amador	200	370
Calaveras	1430	3550
Madera	200	400
Mariposa	200	660
Tuolumne	230	1100
<b>Total</b>	<b>3030</b>	<b>7330</b>

\*Approximate numbers from 2017\*



# Fire Safe Council Fuel Reduction

As the community's partner in public safety, PG&E is working hard to reduce the risk of wildfires during the ongoing drought. PG&E continues to fund local Fire Safe Council (FSC) fuel reduction projects throughout our service area.

<b>2017 approximate work completed</b>	<b>2018 work estimate</b> <i>*Subject to Change as Inspections and weather conditions progress*</i>
<ul style="list-style-type: none"><li>• 42 projects funded and completed</li><li>• 22 counties</li><li>• \$2M</li></ul>	<ul style="list-style-type: none"><li>• \$2M to eligible FSCs</li><li>• Continuing partnership with FSC who have been able to complete funded projects</li></ul>



# Daily Aerial Smoke Patrols

## 2017 Smoke Patrol Approximate Results

<b>Total Fires Spotted</b>	<b>250</b>
<b>Total Fires First Response</b>	<b>20</b>
<b>Total Hours Flown</b>	<b>3500</b>

## 2018 Estimate

- **Flights begin after April 1**
- **Until 10/31 or as conditions determine**
- **Flight routes will cover same areas as 2017**



# Public Messaging

- Email Campaign
- Television
- iHeart Mobile Ads
- Radio
- Fact sheets
- Cal Expo
- Pump toppers



# New in 2018: Fuel Reduction Program

- Reduce vegetation under & near distribution lines
- Provide access space for emergency response
- Maintain existing fuel breaks
- Fuel reduction projects will target CPUC Tier 3 areas
- Goal: complete Tier 3 lines in 3 years





# Thank you



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