



INFRASTRUCTURE IMPACT SUMMARY

November 10, 2018; 2045 EST

CALIFORNIA WILDFIRES: WOOLSEY AND HILL – PROJECTED INFRASTRUCTURE IMPACT SUMMARY

ASSESSMENT

The Department of Homeland Security (DHS)/National Protection and Programs Directorate (NPPD)/National Risk Management Center (NRMC) assesses moderate impacts to infrastructure in California due to fires and heavy smoke from the Woolsey and Hill Wildfires. Local and regional impacts are expected, but no national impacts are anticipated.

As of 0700 EDT on Saturday, November 10, 2018, CAL FIRE reported two wildfires in Los Angeles and Ventura Counties, CA had burned more than 70,000 acres and are currently uncontained. Firefighting efforts have been focused, and are likely to remain focused, on the protection of life and structures. The CAL FIRE Incident Management Team 5 will integrate into the fires management team, and assume command. Crews will continue to battle steep terrain, limited access, and extreme fire behavior. Nearly 900 personnel, 150 fire engines, 5 bulldozers, and 6 water tenders are currently involved in firefighting efforts.

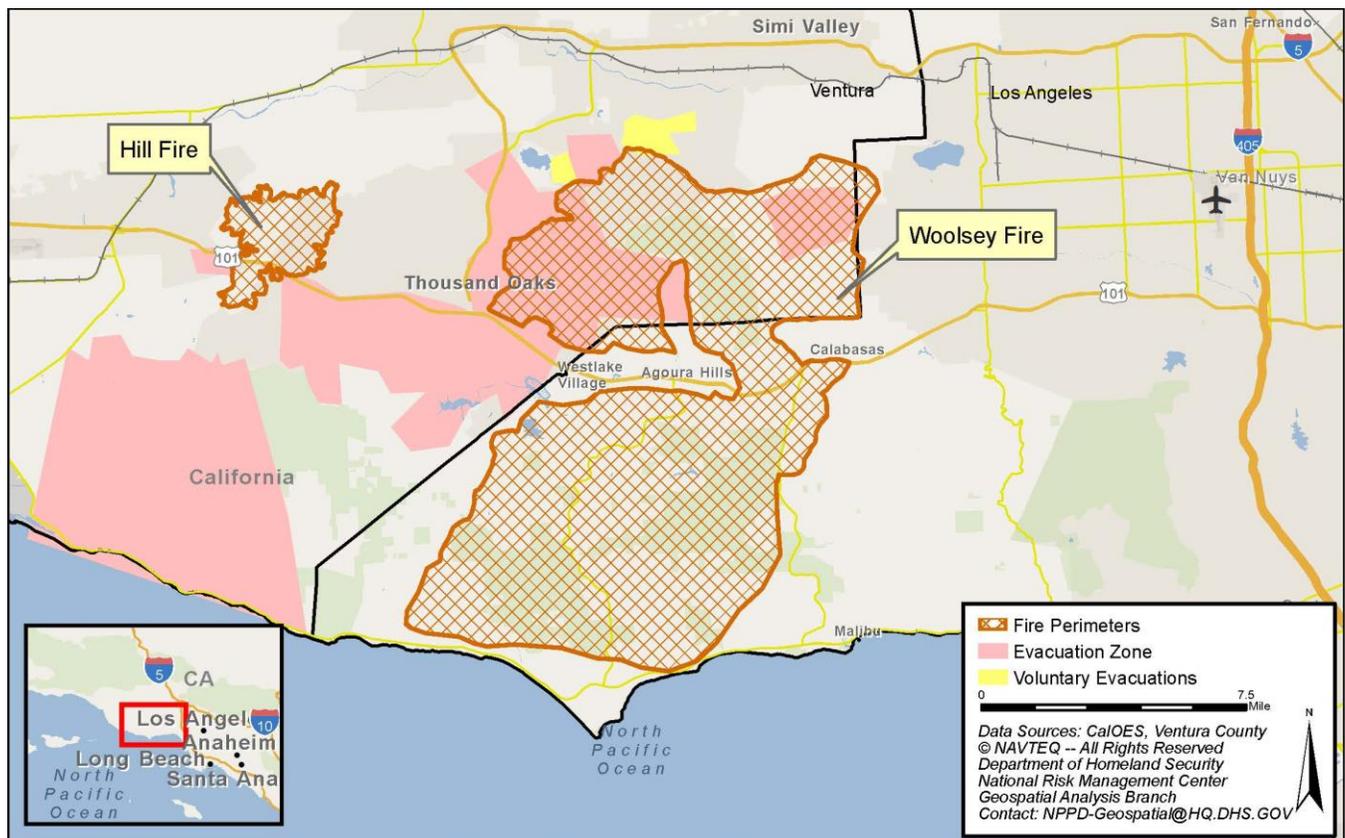


FIGURE I—HILL AND WOOLSEY FIRE BOUNDARY OVERLAY

Evacuation orders are in effect for the following areas: Bell Canyon, Oak Park, and Thousand Oaks Boulevard north to Sunset Hills from Park Oak west to Highway 23, West of Highway 23, south of Bard Lake east of Highway 23, south of Highway 101.

TABLE I—COMMUNITY LIFELINES

INFRASTRUCTURE	LOCAL / REGIONAL IMPACT LEVEL	NATIONAL LEVEL IMPACT	IMPACT: ● LOW ● MEDIUM ● HIGH
Communications	●	●	<p>Communications: Communication outages may be expected as a result of damage to pole-mounted telecommunications systems or cellular towers. Additionally, heavy smoke can disrupt line-of-sight transmissions resulting in temporary service interruptions. Disruptions could affect emergency communications systems including those used by personnel fighting the fire.</p>
Energy	●	●	<p>Electric Power: Electric power assets most likely to be damaged by a fire include substations and electrical transmission lines in the area. Smoke and ash from the fire could cause an arc to propagate across insulators, resulting in an outage of the transmission line. System performance could degrade, resulting in localized power outages.</p> <p>Fuel: Fuel disruptions are expected to be local, with minimal regional and national implications. Disruptions will likely be primarily due to electric power outages, which may affect some fuel storage facilities, distribution terminals, and retail gas stations. Impassable roads resulting from fire and heavy smoke may affect local fuel transportation.</p>
Food, Water, Shelter	●	●	<p>Water: Fire and fire suppression activities may contaminate source water or damage equipment. Large treatment facilities are likely to be a focus of fire suppression activities, reducing the likelihood of long-term damage.</p> <p>Food and Agriculture: Fire could impact agricultural regions, damaging crops and killing livestock. Substitutability of products and diversity in geographic location of products will minimize the overall impacts likely to occur.</p>
Transportation	●	●	<p>Road and Rail: State and local authorities are monitoring and reporting on conditions of roadways in affected areas. Some routes may be closed due to effects of sustained and spreading fires. Railroads, notably Amtrak, BNSF Railway, and Union Pacific, are closely monitoring the effects and continuing spread of the fires as well. To date, no significant disruptions to rail operations, and movement of passengers and commerce have been reported. Where fires cause temporary delays or redirection of train service, resumption of normal routing depends on the amount of damage sustained and timely access by inspection crews. These teams will be attentive to adverse effects to infrastructure near railroad rights-of-way, including oil and natural gas pipelines, electrical power transmission lines, and communications cables and towers.</p> <p>Aviation: Fire may cause a change in flight plans, especially at low altitude, to avoid the smoke and ash. Smoke will make it more difficult using visual flight rules. Large amounts of ash aloft could impact performance of jet engines.</p>

Health and Medical	●	●	<p>Health and Medical: Decreased air quality caused by smoke could result in increased demand for healthcare services in the region. Evacuations of at risk populations is likely to minimize these impacts.</p>
Safety and Security	●	●	<p>Emergency Services: Fire may damage emergency services facilities and deplete resources. It is usually possible to relocate critical equipment and personnel. Fire impacting large areas may delay efforts to provide services to non-emergency areas.</p> <p>Dams: Dams may be in the vicinity of the fire and could be damaged, but this is unlikely to result in a failure or compromise of the dams themselves. Storm events that follow the fire may deposit above-normal quantities of sediment in a dam’s reservoir that could impact flood control capacity, and lead to an increased risk of flood and debris.</p> <p>Government facilities: Facilities located in rural areas, including U.S. Forest Service, U.S. Park Service, and U.S. military locations are likely to be directly impacted by the fire. Critical functions can either be carried out at alternate locations, or will be a focus of fire suppression activities.</p>
Hazardous Waste	●	●	No impacts are anticipated.

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Homeland Security

National Protection and Programs Directorate
NPPD Customer Feedback Survey

1. Product Title:

2. Please rate your satisfaction with each of the following:

Very Satisfied (5)	Somewhat Satisfied (4)	Neither Satisfied Nor Dissatisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)
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Timeliness of product

Relevance of product

3. How do you use the information or analytic products?

- Integrated into one of my own organization's information or analytic products
Yes No If so, which products?
- Used contents to improve my own organization's security or resiliency efforts or plans
Yes No If so, which efforts?
- Shared contents with government, private sector, or other partners
Yes No If so, which partners?
- Other uses (please specify)
Yes No

4. Do you have questions that this product didn't answer?

Yes No (Please specify)

5. How could this product be improved?

6. Would you like to see more on this topic?

Yes No (Please specify)

7. Are there other topics or questions you would like to see addressed by NPPD?

To help us understand more about your organization so we can better tailor future products, please provide (OPTIONAL):

Name:	Sector:
Organization:	Partner Type:
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