

# WILDFIRE CHECKLIST

**YOUR HOME  
OR BUSINESS**

**REQUIRED ACTION  
OR RETROFIT**

**RELATIVE  
COST**

**ROOF COVERING** - Your roof, both in terms of its covering and design, is the most vulnerable part of your home or business when considering exposure to wildfire.

1. Do you have a non-combustible or Class "A" roof?	A professional roof inspection can help determine this. If not, replace your roof covering with a Class "A" fire-rated covering. Many styles are available.	\$\$\$\$
2. Do you have a tile or metal roof? If yes, are the gaps between covering and roof sheathing, which can occur at the edge and ridge, filled with either a bird stop or other material to seal the openings?  Are there other roof openings?	Install bird stops.  Plug any roof openings that are not functioning as vents.	\$-\$
3. Do you have combustible siding where a lower level roof meets and on the upper level roof or wall?	Replace siding with a more fire-resistant material.	\$\$-\$\$\$\$
4. Has vegetative debris accumulated on your roof?	Ember accumulation at the roof-wall intersection increases the risk of fire exposure, particularly if combustible siding is present. The problem is exacerbated with a buildup of debris. Routinely remove debris from the roof. Consider hiring a professional to help with this task.	FREE

**VENTS** are vulnerable to wind-blown embers and flames from nearby vegetation, combustible siding that has ignited or if combustible materials are stored nearby that could potentially catch on fire. Maintaining appropriate defensible space will help minimize wildfire risks.

1. Are your vents covered with 1/8-inch mesh metal screens?	There are many types of new vents on the market that are designed to reduce the risks of wind-blown embers getting inside. Consider installing new vents; availability and styles will vary by region. A less expensive alternative is to attach a minimum of 1/8-inch mesh metal screens over existing vents.	\$
2. If your vents are not covered with metal screens, have you attached 1/8-inch mesh metal screens and have you prepared vent covers that can be easily installed when a wildfire is approaching?	Attach screens and/or prepare covers. Attaching a solid cover would provide additional assurance that large embers would be kept out of the attic or crawlspace. Since the primary purpose is to prevent embers from getting inside your vents, 1/2-inch plywood could be used. Keep the areas around the vents clear of vegetation and other combustible materials. Install covers before evacuation and remove them upon your return. Use caution when installing and removing covers over vents on higher floors.	\$



WINDOWS - During a wildfire the most vulnerable window is one that is open. The most vulnerable part of a closed window is the glass. Close windows to prevent embers and flames from entering the home.

<p>1. Do you have single-pane windows?</p>	<p>At a minimum, install dual-pane windows, which will provide more protection from wildfire. Preferred are dual-pane, insulated glass windows, which have the added benefits of greater energy conservation and insulation during cooler and warmer months.</p>	<p>\$\$\$-\$\$\$\$  Costs vary with the location and number of windows.</p>
<p>2. Does your window have tempered glass?</p>	<p>Tempered glass is about four times more resistant to breaking during a wildfire. When replacing single-pane windows consider dual-pane, tempered glass. This will provide significant wildfire protection against flames and wind-blown embers. The cost increases are relative to the opening size.</p>	
<p>3. Do your windows have shutters?</p>	<p>Shutters and pre-made covers will protect your window from wildfire exposures such as embers, the impacts of other airborne debris and radiant heat exposures. These devices would be installed prior to evacuation and removed upon returning to the property.</p>	<p>\$-\$\$\$</p>
<p>4. Have you made covers for your windows that can be easily installed prior to evacuation during a wildfire?</p>	<p>A less expensive alternative is ½-inch plywood. Before installation, clear the surrounding area of vegetation and other combustible materials that could ignite the plywood covers.</p>	<p>\$\$</p>

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YOUR SURROUNDINGS	REQUIRED ACTION OR RETROFIT	RELATIVE COST
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**DEFENSIBLE SPACE** - This is the area within 100 feet of your home or business or to your property line and should be thought of in three sections: 0-5 feet, 0-30 feet and 30-100 feet. The purpose of defensible space is to modify the landscape through pruning and maintaining it to keep a wildfire from getting too close to the structure.

0 to 5 feet	Plants adjacent to combustible siding, as well as plants under or next to windows or interior corners present the greatest hazard. Embers may still be able to ignite individual islands of plants, so plant selection and maintenance is most critical in this zone.  Avoid plants with the following characteristics: 1. Generate ground litter from bark, leaves, or seeds that slough off 2. Have (very low moisture content) dead material within the plant 3. Have small branches and needles that can easily ignite 4. Have a high resin or volatiles content	
0 to 30 feet	In this zone, the goal is to prevent any surface fire from burning up the building. Prune lower branches in trees and remove nearby shrubs (ladder fuels) to prevent the fire from moving back into the tree crown, Separate groups of non-tree vegetation to make it more difficult for fire to move horizontally.	FREE - \$
Do you have vegetation that is close to, adjacent to or under vents, soffits or windows?	Carefully maintain or remove. All vegetation needs to be maintained, but ground cover or small plants will be less of a problem here. Larger plants, particularly those that tend to generate an abundance of dead material will pose a significant threat to your home or business.	FREE

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Have you created a defensible space around it?	Created 10 to 15 feet of defensible space around your LP / Propane tank.	FREE - \$
<b>DECKS - If ignited, decks will lead a wildfire directly to your home or business. The flames can burn siding, break the glass in nearby windows or sliding glass doors, and ignite the eaves and vents. All of these scenarios result in fire moving into your structure.</b>		
1. Are your deck boards made of combustible material? (i.e., solid wood or one of the wood plastic composite products). There are a limited number of metal (non-combustible) deck boards. Exterior fire-retardant treated lumber can also be used to decrease the vulnerability of the deck to wildfire.	When it's time to replace the deck, choose a fire- or ignition-resistant material. As previously mentioned, the new California Building Code requirements pay strict attention to wildfire risks. Learn more about how to choose wildfire-resistant decking materials at <a href="http://osfm.fire.ca.gov/strucfireengineer/pdf/bml/wuiproducs.pdf">http:// osfm.fire.ca.gov/strucfireengineer/pdf/bml/wuiproducs.pdf</a>	\$\$\$-\$\$\$\$
2. Do you have combustible materials stored under or on top of your deck?	Move this material to an enclosed area away from your home or business. If you choose to enclose the underside of your deck, be sure to address moisture management issues through drainage and ventilation.	FREE-\$\$

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FENCES		
Does a fence come within 5 feet of your home or business, or come into direct contact with it?	Replace with a noncombustible fence or use noncombustible components such as heavy wire mesh in a wood frame. Non-combustible fencing (at least a 5-foot span) should be used in locations where the fence is directly attached to the building.	\$-\$\$\$
YARD STRUCTURES – Any fuel source, decorative or functional, within 30 feet of your home or business.		
Do you have any playground equipment, firewood, trellises or other yard features that could bring flames too close?	Combustible structures should be moved 30 feet to 50 feet from the home or business.	FREE



IBHS is a non-profit applied research and communications organization dedicated to reducing property losses due to natural and man-made disasters by building stronger, more resilient communities.

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