

Bushfire Preparation **Toolkit**







Bushfires happen every year. To survive a bushfire, you must be prepared to make your own decisions. The single biggest killer is indecision.

Read this book carefully and complete the checklists to create your bushfire plan. This will help you decide if you will **Be Safe and Leave Early** or **Be Prepared to Stay and Defend.**

Taking the time to create your bushfire plan will give you and your family the best chance of survival if there is a bushfire near you.

You can also create an online plan at **mybushfireplan.wa.gov.au** Once complete, your online plan can be shared with family and friends.



Visit **mybushfireplan.wa.gov.au** or download the **My Bushfire Plan** app.



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The Fire Danger Ratings describe the potential danger level you could face if a bushfire starts, while the Bushfire Warnings System provides information about what to do during a bushfire.

Fire Danger Ratings provide you with important information so you can take action to protect yourself and others from the potentially dangerous impacts of bushfires.

Before a bushfire	MODEFAZZ	HIGH EXTREME CP. IN POPHIC
Fire Danger Rating	Fire behaviour	Action required
Moderate Plan and prepare	Most fires can be controlled	Stay up to date and be alert for fires in your area
High Be ready to act	Fires can be dangerous	Decide what you will do if a fire starts
Extreme Take action now to protect life and property	Fires will spread quickly and be extremely dangerous	Put your bushfire plan into action (see pages 11 and 17)
Catastrophic For your survival, leave bushfire risk areas	If a fire starts and takes hold, lives are likely to be lost	Homes cannot withstand fires in these conditions. Stay safe by going to a safer location early in the morning or the night before.

When there is minimal risk, Fire Danger Ratings will be set to **'No Rating'**. At this level, fires are not expected to spread in a fast or life-threatening way.

During a bushfire, emergency services will issue a warning if the fire is impacting, or likely to impact the community.

There are three levels of warning. These change to reflect the increasing risk to your life or property, and the decreasing amount of time you have until the fire arrives.

During a bushfire



EMERGENCY WARNING

An out of control fire is approaching fast. There is a threat to lives and homes and you need to take immediate action to survive.

You must seek shelter or leave now if it is safe to do so.



WATCH AND ACT

If your plan is to leave, leave now. If your plan is to stay, get ready to actively defend.

Only stay and defend if you are mentally and physically prepared.



ADVICE

A fire has started but there is no immediate threat to lives or homes. Stay alert and watch for signs of fire.

Be aware and keep up to date.



Don't wait for a text message or a knock on the door. Make your own decision on when to leave.

Stay informed at emergency.wa.gov.au

Emergency WA is the primary and most up to date source of emergency information for:



Current warnings



Total Fire Bans

See back cover for other information sources.

Bushfire Risks and Dangers



Flames are not the only risk you face in a bushfire.

Bushfires happen every summer. They can start suddenly and without warning. It's important to understand your risks and plan what you'll do to keep safe when a bushfire threatens your life or home.



Ember Attack

Embers consist of burning bark, leaves or twigs and can start new fires up to 25km ahead of the fire front.

Embers can:

- Set alight flammable items such plants, leaves in gutters or outdoor furniture.
- Occur before, during and after a fire front passes.



Radiant Heat

Bushfires can generate an incredible amount of heat, known as radiant heat. It is important to consider flammable material near and around your home.

Radiant heat can:

- Dry and ignite fuels even before the flames have reached them.
- Cause injury and death from burns, heat exhaustion and possible heart failure.



Smoke

Lung injuries and suffocation can occur where the body is exposed to smoke and super-heated air.

You should:

- Seek shelter when heat and smoke becomes too intense.
- Over your nose and mouth with a mask.

Bushfire Risks and Dangers

Continued



Remember, you don't have to live in the bush to be at risk from bushfires.

If you live in or near any of these environments, bushfire is a real threat to you and those you live with. You will need to prepare your home, property and household in case of a bushfire.



Coastal scrub

Coastal scrub fires can be hot and move very fast. If you live near areas of coastal scrub, you're at risk.



Forest and bushland

Fires in these areas can be very intense and extremely difficult for emergency services to reach and extinguish. If you live near forest or bushland, your risk is very high.



Grasslands

Grass fires can start easily and spread quickly. If you live near grasslands, you're at risk.



Farms and paddocks

Fires can spread quickly over large areas like paddocks. If you live on or near farmlands, you're at risk.



Parks and reserves

Flames and flying embers can travel many kilometres, crossing roads and impacting homes. If you live near parks or reserves, you're at risk. It doesn't matter if you're staying or leaving, there are some important yet simple things you can do to help protect your home from fire, even if you're not there.

Simple and ongoing property upkeep

Set calender reminders to complete these monthly preparations during fire season.

	Nov	Dec	Jan	Feb	Mar	Apr
Cut the grass around your property to 10cm or less						
Prune shrubs so they are not dense						
Clean gutters						
Check gas release valves face away from property						

More lasting protection

Set calendar reminders to complete these preparations every year:

- Remove any shrubs from against the home.
- Keep gas cylinders away from the likely direction of fire (i.e. where bush is, or if surrounded by bush, where the wind comes from most often) and turn release valves outwards.
- Move any wood, mulch or flammable material away from the house.
- Create a minimum two metre gap between your house and tree branches.
- Install metal fly wire mesh on all windows and vents.
- Install a protective screen on your evaporative air conditioner.
- Block any gaps under floors, in roof spaces, under eaves, and in or around external vents, skylights, chimneys and wall claddings.

Additional protection for larger blocks and rural locations

- Create fire-breaks along all boundaries of your property suitable for fire trucks to access (refer to Fire-breaks page 6).
- Check bridge and cattle grid loading for fire truck access.
- Store petrol and gas safely away in a shed or covered area.
- Consider installing access to firefighting water such as underground water pumps that lead from dams to the house, or large water containers with 50mm male Camlock fittings for fire trucks (refer to Stay and Defend section page 16).

Find more information about preparing your home at dfes.wa.gov.au/bushfire A fire-break is a strip of land that has been cleared of all trees, shrubs, grass or other flammable materials to allow access for firefighting vehicles to all areas of your property. It may also act as a barrier to help stop or slow a low-intensity fire.

Do I need a fire-break?

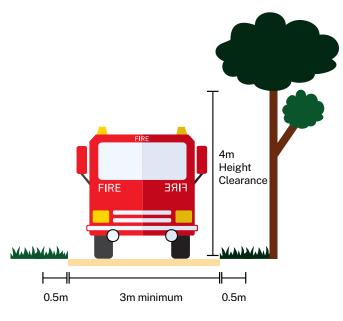
Your Local Government will determine whether you are legally required to construct and maintain fire-breaks. However, from a practical perspective, if you have a large, or difficult to access property, even if you're not legally required to, you should consider installing breaks to assist firefighters to access all areas.

To find out whether your property is legally required to have a fire-break, contact your local government.

What are the requirements for a fire-break?

The legal requirements vary across local governments, however as a minimum we recommend your fire-breaks:

- Are at least three metres wide to mineral earth (clear of any trees, shrubs, grass or other flammable material).
- Are cleared for an additional 0.5m either side - this doesn't have to be to mineral earth, however you should be able to walk or drive over it, for example, grass.
- Are clear to a height of at least four metres – overhanging branches can block access for fire fighting vehicles or damage important equipment like hoses, lights or aerials.
- Provide a circuit that connects to other access routes, like your driveway or the road and doesn't lead to dead ends. It's important to ensure firefighters can escape in either direction, as the way out may be blocked by fire or other firefighting vehicles.

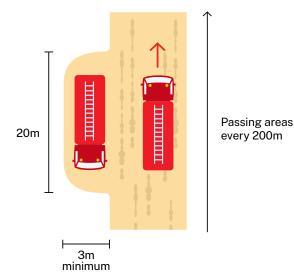


Fire-break Clearance



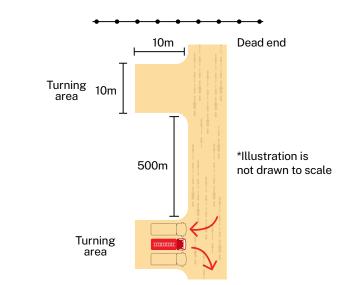
What else should I consider?

Fire trucks can be very large and need a lot of space to move around. There are things you can do to help keep firefighters safe and make it easier for them to defend your property.



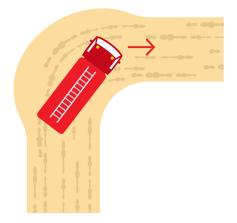
Fire-breaks longer than 200m

If your fire-break is longer than 200m, include areas at the side of the break for trucks to pass each other. These should be at least 3m wide (so 6m including your fire-break) and 20m long. Include passing areas every 200m along your breaks.



Fire-breaks longer than 500m

If your fire-break is longer than 500m, or if it must end in a dead end, include areas to turn around – these should be at least 10m x 10m and included every 500m and at any dead ends.



Double the width of your breaks around corners or sharp bends.

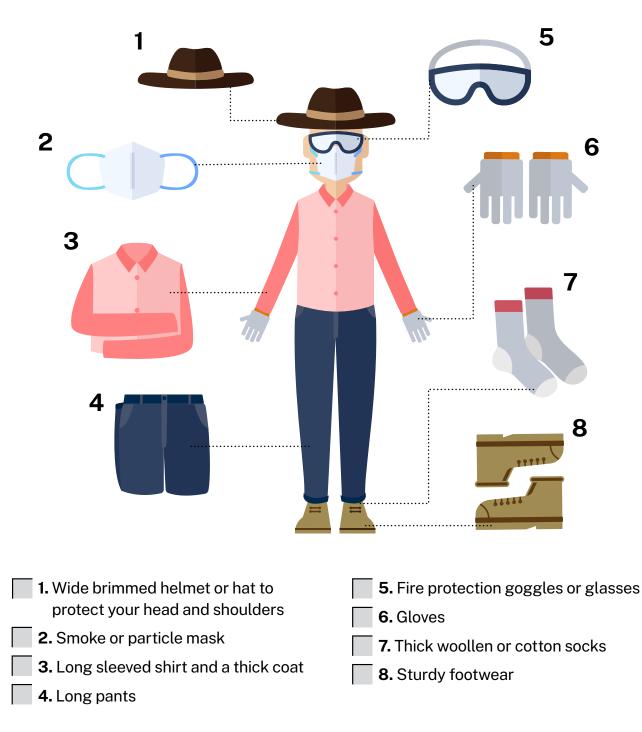
You can find the requirements for your area in your Fire-breaks Notice, issued by your Local Government. It's important to speak to your Local Government prior to constructing your fire-breaks.

More information?

You can find more information in the Guide for applying the Bush Fire Risk Treatment Standards at **publications.dfes.wa.gov.au** or by contacting your Local Government. It doesn't matter if you're staying or leaving, everyone needs protective clothing.

Clothing and accessories

Prepare protective clothing and accessories for everyone in your household before bushfire season and store with your Emergency Kit. Clothing should be thick and loose-fitting, and made from natural fibres such as wool or cotton.



Sheltering in your home during a bushfire is very dangerous and should be your last option, when all other plans fail, and you are unable to leave.

Whether you plan to stay or leave, you need to identify somewhere you can shelter on your property in case you can no longer leave.



Important!

Have an emergency kit prepared and ensure there are protective clothing and accessories for everyone who may need to shelter.

If it's too late to leave the property:

- Call 000 to report all fires.
- If you are sheltering in place due to smoke, ember, radiant heat or direct flame attack, call **000**. This is a life threatening situation, make the call.
- If people are expecting you to leave, let them know you are now staying.
- Actively defend your property by putting out spot fires.
- Remember to check the roof cavity through the manhole for any spot fires.
- Remove flammable items from outside the house like door mats, toys or outdoor furniture.
- Take down curtains and push furniture away from windows.
- Make sure all doors and windows are sealed as best as possible to prevent smoke and embers getting into the house. You can use rolled up towels or clothes to seal any gaps.
- Soak towels and rugs in water and lay them along the inside of external doorways.
- Move inside the house if smoke, heat or embers become too much or if the front is approaching.

- Take shelter inside in a room with two exits, furthest from the fire front. At least one exit must lead outside. People have died sheltering in bathrooms and other rooms without an exit door.
- Get down low to limit your exposure to smoke and heat.
- Keep woollen blankets handy for protection against radiant heat. If covering yourself with a blanket, it should be dry to avoid steam burns.
- Drink plenty of water to avoid becoming dehydrated.
- Shelter in the house for as long as possible – if the house catches alight and it becomes too dangerous to stay inside, move outside to ground that has already been burnt.

People die in a bushfire from radiant heat.

Protect yourself with thick long sleeves and long trousers, strong leather boots, gloves and head protection. Ensure protective clothing is dry to avoid steam burns from radiant heat.

What Will Our Household Do?

One of the most important things you can do to prepare for a bushfire is have a discussion with the entire household about what to do if a bushfire threatens.

Use the tool below to help you decide whether to **Be Safe and Leave Early** or **Be Prepared to Stay and Defend.**

	Important! Before considering staying to defend you must ask yourself:	
Do I have	a good understanding of bushfire behaviour?	NO YES
	e, or am I willing to get, all of the necessary ing equipment? e 19)	
the help	e to do everything required to fight a fire without of firefighters? y read the Stay and Defend section on pages 17-24)	
spot fire Being in	ntally, physically and emotionally prepared to fight s for hours, even days at a time? a bushfire could be the most physically demanding and c experience of your life.	
Am I con	nmitted to prepare our property for a bushfire?	
Does eve	eryone in the household agree with the plan to stay?	
Children	e a plan to evacuate vulnerable people? guests, dependents, elderly or sick household members eave early and be cared for.	

If you answered **NO** to any of the questions, you must **Be Safe and Leave Early.**

If you answered YES to all 7 questions, **Be Prepared to Stay and Defend.**



If you and your property are not prepared to the highest level, **Be Safe and Leave Early.**

Fill in the spaces to create your fire plan then tear out and display the plan where everyone can see it. It could save lives.

You can also visit **mybushfireplan.wa.gov.au** or download the **My Bushfire Plan** app to create this plan.

2 Who do we need to protect?	
Me People who need assist	ance
Other adults	
Babies and children Livestock and other ani	nals
3 When will we leave?	
We will leave when:	
The fire danger rating in my area isThere is lightning in myExtreme or CatastrophicWe believe a fire will aff	
There is a bushfire Advice in my areaproperty in the next 24	
There is a bushfire Watch and Act We see or smell smoke in my area	close by
Is there anything else we need to consider?	
4 Where will we go and how will we get there? Safe Place A:	
Route:	
Safe Place B:	
Route:	

5	Who will we call? Emergency Contact 1:	Mobile:
	Emergency Contact 2:	Mobile:
6	What will we take? Prepare before bushfire season: Important/legal documents Drinking water, food for the trip First aid kit Precious items (jewelery, medals) Personal hygiene items Phone, computer, chargers Clothing for everyone Other items:	Items to grab when leaving: Medication, life support equipment Wallet House and car keys Pets and supplies (food, bowls, cage, leash, etc) Phone and charger Laptop and charger

Where will you store your Emergency Kit?

8 What is your backup plan?

What if no one's home?

If there is a Bushfire Advice, consider returning home to prepare your property or pick up family or pets. Do not wait and see.

Have a backup person who can help, in case you're not able to get home. Make sure they know what actions they need to take. Have your Emergency Evacuation Kit Ready, so it's easy to collect.

On days with a fire danger rating of Extreme or Catastrophic you may have your children and pets stay at a friend or family member's house.

Write your backup plan on the next page.

Write your backup plan here.

What if you have guests staying at your house?

- Ialk to your guests about your bushfire plan and when everyone will leave.
- Stay informed through **Emergency WA** and monitor fire danger ratings daily.
- Consider what is needed to evacuate your guests and household will you need to take multiple trips?
- If the fire danger is Extreme or above, or if there is a bushfire Advice, guests need to be contactable.
- Make sure any children staying with you understand your bushfire plan and know what is expected of them.

Is there anything else you need to consider?

What if it's too late to leave your property, where will you shelter?

Beach

|--|

In a room with two exits (one exit must lead outside)

wner	e will you shelter?
	Oval
	Open cleared paddock
	Other:



If you are unable to leave:

Wear heavy duty non-flammable clothing including gloves, boots, goggles, head cover and filter mask and have non-flammable blankets for extra protection from extreme heat.

Call 000 and inform them of your situation, how many people and where you are sheltering and ensure everyone including pets stay together.

Preparing Your Emergency Kit

Your Emergency Kit should include the essential items you need to keep you and your family safe. Prepare your Emergency Kit before bushfire season and keep it in an accessible spot. Make sure everyone knows where it is kept.

Essentials

Prepare before bushfire season

- Important documents (birth certificates, passports, deeds)
- Precious items (jewellery, medals)
- First aid kit
- Drinking water
- Personal hygiene items
- Bushfire protective clothing for everyone (see page 8)
- Portable battery powered AM/FM radio with spare batteries

Important Extras

Items to grab when leaving

- Wallet
- Driver's license or other ID
- Medications, life support equipment
- Phone and charger
- House and car keys
- Laptop and charger

Packing for pets

- Food, water and bowls
- Bedding
- Medication or special requirements
- Registration/microchip information
- Lead
- Orate



Be Prepared to Stay and Defend Plan

Fire is frightening; it roars as loud as a jet engine and the smoke can plunge day into night.

Read this section carefully so that you and your family understand what it takes to be completely prepared.

When a bushfire is likely to impact your home, staying to defend is extremely dangerous.

You must be mentally and physically ready. You need to be highly prepared and have an in-depth understanding of bushfire behaviour. Everyone in your household must be 100% comfortable with the decision to stay and defend.

Always have a backup plan, and an independent power and water supply.



You may be cut off from basic services and may not be able to leave to re-supply. Even if you plan to leave, you need to be prepared in case you are forced to shelter.

If you are unsure about your decision, you must be safe and leave early.

You can also visit **mybushfireplan.wa.gov.au** or download the **My Bushfire Plan** app to create this plan.

Firefighting Equipment Checklist

Minimum equipment required to stay and defend
An independent water supply of at least 20,000 litres – mains water is likely to be shut off
A generator (>1.5kVA) and sufficient fuel to power a pump for up to five days – the electricity is likely to be shut off and may not come back on for several days
A firefighting or pressure pump that can operate up to 400lpm and is shielded from high temperature
At least two hoses with metal hose fittings (so they won't melt) that are long enough to reach all parts of your house
Ladders for inside and outside the house to reach gutters and roof spaces
Metal rakes and shovels to break up burning materials
Knapsack or backpack spray unit to help put out spot fires
Cotton mops to put out embers
Protective clothing, masks, gloves, boots and hat/helmet for everyone
Emergency Kit
Metal buckets you can carry

I understand fully what is required and still want to stay

Fighting a fire can quickly turn into a very dangerous, life-threatening situation. There is a very good chance you will be on your own as firefighters may be too busy fighting fires on the frontline to help defend your property, and it is highly likely that the water and electricity to your property will be shut off. The heat will be intense.

Think about it; is your life, or the lives of your family worth risking?

Our Stay and Defend Plan

Do not wait and see!

Stay up to date with current alerts and warnings and be ready to put your plan into action. There are limited fire trucks so you cannot plan on firefighters being there to defend you and your family. You need to make your own decisions. Waiting to see flames before acting is too late.

Even if your plan is to stay and defend, consider the conditions on the day. On some days the risk may be too high and you will need to leave. Know the Fire Danger Ratings ahead of time and consider how you are feeling physically and mentally. On days rated Catastrophic, even emergency services may be unable to control fires that start in these conditions.

Bushfires can happen at anytime. If you see any signs of fire and there are no warnings out, call 000.

When will we put our plan into action?

Consider your personal circumstances and identify triggers that give you sufficient time to act. It is recommended that you put your plan into action as soon as a **Watch and Act** is declared.

If the Fire Danger Rating is forecast to be Extreme, start getting your equipment ready and consider relocating vulnerable family members such as children and elderly people.

If it is Catastrophic, for your safety it is recommended you leave the area. Homes cannot withstand fires in these conditions. You may not be able to leave, and help may not be available.

2

Where is our bushfire plan for?

Our Stay and Defend Plan

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1	5

Who do we need to protect?

Me	People who need assistance
Other adults	Pets
Babies and children	Livestock and other animals

What is our plan to evacuate vulnerable people or animals?

(Children, guests, dependents, elderly or sick household members need to leave early and be cared for)

How will we stay up to date?



Δ

What will we do before the fire front arrives?

Inside

- Turn off evaporative air conditioners but leave water running through the system if possible
- Fill all containers/basins with water check all water supplies
- Find woollen blankets for protection against radiant heat. They should be dry to avoid steam burns
- Soak towels and rugs in water and lay alongside the inside of external doorways
- Take down curtains and move furniture away from windows
- Place a ladder and torch close to the manhole to check the ceiling for embers

Outside

Bring any loose flammable material inside
Wet downside of house and garden that faces the fire front
Block downpipes and fill gutters with water
Regularly patrol around the home for spot fires
Turn off gas supply

Is there anything else we need to consider?

Our Stay and Defend Plan



What will we do as the fire approaches our property?

Bring all hoses, hose fittings (including plastic tap attachments) and equipment inside

Move everyone into the house when it is no longer safe outside

Frequently check the roof cavity for spot fires

Is there anything else we need to consider?

Stay inside the house until the front passes, if it is safe to do so

Have access to drinking water and drink regularly, even if you don't feel thirsty. Dehydration is a serious risk when fighting a fire



Take shelter in a room with two exits, furthest from the fire front with at least one exit leading outside. **Do not shelter in the bathroom.**

We will shelter in:

If the house catches fire we will move to:

Is there anything else we need to consider?



What will we do after the front has passed?

- When it is safe, check inside and outside for spot fires, including under floors, in roof spaces and gaps.
- Patrol your house for several hours checking for small fires and burning embers even after the fire is out, trees, logs and other flammable material can continue to burn for hours or even days.
- DO NOT leave your property immediately after the front has passed. It can be extremely dangerous due to damaged infrastructure like roads, bridges or powerlines, or hazards like burnt out trees or underground fire.
- Listen to your local ABC radio station and keep up to date via Emergency WA for when it is safe to leave. Be cautious and pay attention to your surroundings as there may be many hazards remaining, other than fire.

Is there anything else we need to consider?



Preparing Your Emergency Kit

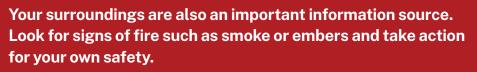
Your stay and defend emergency kit

Your Stay and Defend Emergency Kit should include the essential items you need to keep your family comfortable and safe. **Prepare your Emergency Kit** (page 16) before bushfire season and keep it in an accessible spot.

Make sure everyone knows where it is kept.

You will also need supplies to last at least 5 days. There may road blocks and you may not be able to get additional supplies.

- Food, drinking water and medications for you and your pets
- First aid and trauma kit
- A place for important documents and valuables that is protected from fire as much as possible – consider storing copies offsite or digitally
- Waterproof torch and battery powered lights
- AM/FM Battery operated radio
- Emergency contact numbers
- Head protection and goggles
- Smoke and particle masks
- Non-flammable or woollen blankets
- Bushfire protective clothing made of natural fibres



All fires should be reported to 000.

Stay informed at emergency.wa.gov.au

Emergency WA is the primary and most up to date source of information for:

- Current warnings
- Fire Danger Ratings
- Total Fire Bans

You can also access this information via

13 DFES (13 3337)

National Relay Service 1300 555 727

When warnings are published on Emergency WA they will also be shared via:

- DFES Facebook
- DFES Twitter
- Local ABC Radio

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