SELF DIRECTED

FUELS REDUCTION
And
WILDFIRE MITIGATION ASSESSMENT
Park County Wyoming

Directions

The checklist will take about 30 minutes to complete.

The landowner should print off the attached Inventory Checklist so you can record your answers and score.

Complete the checklist marking the appropriate circumstances that apply to your hazard fuel situation. If the checklist indicates that your property might be at risk from wildfire, then you should get in contact with the Park County Firewise Coordinator, who will be happy to do a free, professional risk assessment for you.

To contact the Park County Firewise Coordinator

- **Send an email to pcfirewise@gmail.com and leave a message with your name, address, phone number and request.**
- **Phone the Park County Firewise Coordinator at 307 250 9387 and set up an appointment and/or ask for assistance. Leave a message if no answer.**
- **For more information about how to make your home defensible from a wildfire, go to the parkcountyfirewise.com website. It will provide you with a wealth of information for addressing your home ignition zone.**

SELF DIRECTED

DEFENSIBLE SPACE INVENTORY

The following inventory lists a number of hazard features within the wildland/urban interface. Below each heading is a list of alternatives for each category. *The most fire safe situation is listed at the top,* with ***least fire safe situation listed in descending order with the worst case situation at the bottom of the choices***. You can improve conditions on your property by making changes under each category that would bring you up to the best or safest fire situation. For example, under Roofing Material, if you have a wood shake shingle roof, you would want to recognize that hazardous fuel condition and consider a metal, tile or asphalt roof to make your roof safer from fire.

A risk assessment summary worksheet is located at the end of the checklist. It is recommended you review that summary first so you understand how the check list process works in determining your overall defensible space situation.

IS YOUR ADDRESS APPARENT TO EMERGENCY VEHICLES:

____ Building or lot identification and/or name visible from road

____ No name or number displayed

ACCESS:

___ Access for emergency vehicles adequate with wide roads, turn rounds, parking areas. Roads should be over 14 feet wide and overhead clearance of 12 feet.

____ Access poorly identified, narrow road, unimproved road, bridge, fences or landscaping limiting emergency vehicle access

STRUCTURE CONSTRUCTION MATERIALS (includes all structures of concern)

Roofing Material:

____ Metal or tile

____ Composite, asphalt, gravel or fiberglass

___ Wood shake shingle

Siding Material:

____ Masonry, concrete, or "real" stucco

____ Fiberglass, metal or tile

____ Log or log stack types

____ Composite or "synthetic" stucco

____ Wood sheeting or planking

____ Shake shingles, unfinished siding (plywood, old dry boards)

Balcony/Deck:

____ Enclosed underneath

___ Engineered decking

___ Wood

___ Hazard fuel stored underneath or flammables nearby (grass, debris, furniture)

Vegetation near roof:

____ No vegetation near the roof

____ Branches and limbs within 5 feet of roof but not overhanging roof

____ Branches and limbs overhanging roof

____ Leaves and/or pine needles collected on roof and in gutters

____ Needle cast or litter accumulation under trees near structure

Eaves/Overhangs:

____ Enclosed

____ Unenclosed

___ Fuels stored under eaves (firewood, construction material, dog house etc)

Manufactured housing (Mobile Home, Double Wide, or Modular)

____ Not applicable

____ Double Wide or Modular with skirting

____ RV stored in hazard fuel area

____ Mobile Home or Double Wide with no skirting and open foundation

<u>TOPOGRAPHY</u>:

Relationship of structure/dwelling to a STEEP SLOPE (30% and greater):

___ Not applicable

____ Structure within 100 feet of steep slope with hazard fuels

Predominant aspect of the area within 150 feet of the structure/dwelling:

___ Flat

____ NW to NE (i.e. North)

____ SE to NE (i.e. East)

____ SE to SW (i.e. South)

____ SW to NW (i.e. West)

<u>LANDSCAPE</u>:

Defensible Space around structure/dwelling:

Zone 1 (0-30 ft. from structure):

Slash or burn pile:

____ All slash has been disposed of

____ Slash is present

Dead Trees:

____ No dead standing trees present

____ Dead standing trees present

____ Dead and down tree material and litter on ground

Tree Density:

____ Trees are spaced at least 10 feet between crowns

____ Trees are spaced closer than 10 feet

Irrigation during fire season: Lawn or vegetation around structure

____ Well irrigated green throughout fire season

____ Non-irrigated, dry or dormant fuels during fire season

Grass: Lawn or vegetation around structure

____ Grass is kept short and tidy

____ Grass is long and unkempt

Pruning:

_____ Trees pruned so branches are 4-6 feet above the ground

_____ Trees have not been pruned, litter and needle cast present

Propane tank / Firewood piles:

____ Located at least 20 feet away from structure

____ Within 20 feet from structure

Vegetation/fuel type: (Describe vegetation and landscaping conditions (i.e. species, arrangement, relationship to structure): The more fuels close to the house, the worse the condition.

Zone 2 (30-70 feet from structure):

Slash:

____ No burn piles present or accumulation of burn piles

____ Small amounts of widely distributed slash (lopped and scattered)

____ Pockets of dense slash, burn piles needing burned

Dead Trees:

____ No more than 2-3 dead trees per acre

____ Many dead trees present

Tree Density:

____ Trees are spaced 4-6 feet between crowns

____ Trees are spaced closer than 4-6 feet

Pruning:

____ Trees are pruned so lowest branches are 4-8 feet above ground

____ Trees have not been pruned, litter and needle cast present

Vegetation/fuel type: (Describe vegetation conditions (i.e. species, arrangement, relation to structure):

ZONE 3 (70 – 100 feet from structure):

Slash:

____ Slash is removed or lopped and scattered or chipped

____ Large slash piles or pockets of large deadfall are present

Dead Trees:

____ No more than 2-3 dead trees per acre

____ Many dead trees present

Tree Density:

____ Trees are spaced in accordance with spacing guidelines for the species

____ Trees form a dense thicket, grass, litter and needle cast present

Firewood storage location:

____ No firewood storage on site

____ More than 15 feet away from structure/dwelling

____ Less than 15 feet away from structure/dwelling

____ Under or next to structure/dwelling

Vegetation near the chimney or stovepipe:

____ Vegetation more than 15 feet from the stovepipe or chimney

____ Vegetation less than 15 feet from the stovepipe or chimney

____ No screen on chimney

Storage Shed:

____ Non-combustible construction, 30 feet from main structure

____ Non-combustible (metal), less than 30 feet from main structure

____ Combustible material greater than 30 feet from structures

____ Combustible less than 30 feet from the main structure

Garage (shop, etc.):

____ Garage attached to main structure

____ Non-combustible, greater than 30 feet from main structure

____ Non-combustible, less than 30 feet from main structure

____ Combustible unattached greater than 30 feet away

____ Combustible unattached less than 30 feet away

<u>WATER SUPPLY</u>:

Water hydrant location from structure:

____ 500 GPM (gallons per minute), less than 1,000 feet away

____ Less than 500 GPM, within 100 feet

____ All hydrants are greater than 1,000 feet away

____ No hydrants available

Permanent stream location from structure:

____ 500 GPM, less than 1,000 feet away

____ Less than 500 GPM, less than 1,000 feet away

____ All streams are greater than 1,000 feet away

____ No streams available

Distance of approved water draft sources of 1,500 gallons or more:

____ Within direct supply distance and easily available

____ Draft sources within 20 minutes roundtrip

____ Draft sources within 21-45 minutes roundtrip

____ Draft sources greater than 46 minutes roundtrip

____ No draft sources available

ACCESS:

On-site access classification (the access to the structure/dwelling from the road; this may be through a driveway on the lot)

____ High accessibility for fire vehicles **(wide roads, parking, turn a rounds)**

____ Medium accessibility for fire vehicles

____ Low accessibility for fire vehicles

Fire protection response time to the structure or vacant lot (from the station):

____ Within 15 minutes

____ Within 16 to 30 minutes

____ Greater than 30 minutes

____ No organized fire district

Ingress/Egress to the driveway or point of access to the lot:

____ Two or more points of access to the road (primary route) leading to the property

____ Only one point of access to the primary road leading to the property

____ One way in and out; a dead end, one point of access to the road to the property

Road Width to the driveway or point of access to the lot:

____ Good two-way road

____ Narrow two-way road

____ One-way road

Maximum Grade of the primary route to the driveway or vacant lot:

___ 0% - 5%

____ 6% - 8%

____ 9% - 12%

____ Greater than 12%

Connection between primary route leading to the driveway into the property:_____

____ Driveway directly links off a continuous primary ingress/egress route with no dead-end terminals

____ Driveway directly connect to a loop or non dead-end connecting road

____ Driveway directly connects to a dead-end road less than or equal to 200 feet in length with a cul-de-sac with turnaround radius greater than 45 feet

____ Driveway directly connects to a dead-end road greater than 200 feet in length, but the

____ Driveway connection is within 200 feet of a continuous, non dead-end loop or connecting route

____ Driveway directly connects to a dead-end road greater than 200 feet in length, and is not within 200 feet of a connection to a continuous or non-dead–end loop or connecting road

UTILITIES:

Propane gas tank location:

____ Tank buried

____ More than 30 feet from the structure/dwelling

____ Less than 30 feet from the structure/dwelling

Vegetation around propane tank:

____ All vegetation clear of propane tank

____ Grass next to propane tank

____ Grass, shrubs and/or trees next to propane tank

Utility line (electric) to the structure/dwelling:

____ All underground

____ Part underground and part above ground

____ All above ground

Self Directed Defensible Space Risk Assessment

Using the checklist you completed above, assign an overall appraisal value (see below) to your structure and zones. For example, in zone 1,

if you marked the majority of your existing features or circumstances in the middle or bottom rating category, then your zone 1 score would or could average a 3 (high) risk or higher.

If your overall score below is moderate to extreme, you should contact your Firewise coordinator for a professional opinion and advice on how to mitigate your hazards. The checklist should also give you an idea where your hazard conditions exist and how you might mitigate them.

Appraisal Values Assigned to Each Zone:

1. Low (low risk to wildfire event, ignition source (embers incl.) and hazard fuels)
2. Moderate (moderate risk to wildfire event, ignition source and hazard fuels)
3. High (high risk to wildfire event, ignition source and hazard fuels)
4. Extreme (extreme risk to wildfire event, ignition source and hazard fuels)

STRUCTURES _____

Zone 1 (0-30 FEET) _____

Zone 2 (30-70 feet) _____ ___

Zone 3 (70-100 feet) _____ ____

Hazard Fuels _____

Score (Ave) _____ (low, Mod, High, Extreme)

(see values above for score)

If your overall score is a two or higher, you are at risk.

Example:	Structure	2
	Zone 1	2
	Zone 2	3
	Zone 3	1
		8 total or an average of 2 indicates a moderate risk