Parcel Assessment for Wildfire Hardening (PAWH)

□ 1 Pa	rcel Information			
Assessor:	Date:	Year Built:		
Property Address:				
Property Owners:				
Phone #:	Email:			
Fire Hazard Severity Zone:	Housing Density Type			
Igntion-Resistant Construction Class: \Box 1 \Box 2 \Box 3	FireWise Community:	Yes	No	
□2	Parcel Image			

Insert an image showing a birdseye view of the parcel and neighboring parcels.

□ 3 □ NW	Parcel Images (Take pictures of t	he residenc	ce from each corner of the parcel)







		. 1		<u> </u>
Type #	WUI Type Name	SSD (ft)	Typical Parcel Size (ac)	Typical Housing Density (struct/ac)
1	High Density Interface – Perimeter	6ª to 30	< 0.5	2 to 8 +
2	High Density Interface – Interior ^b	6ª to 30	< 0.5	2 to 8 +
3	Medium Density Interface – Perimeter	30 to 100	0.5 to 1+	< 2
4	Medium Density Interface – Interior ^b	30 to 100	0.5 to 1+	< 2
5	Medium Density Intermix	30 to 100	0.5 to 1+	< 2
6	Low Density Interface	100+	1+	< 1
7	Low Density Intermix	100+	1+	< 1

For SI: 1 ft = 0.305 m, 1 ac = 0.4 ha

^a representative of parcels with a 3 ft setback (common for new construction of sprinklered residences)

^b interior of community defined as > 0.25 mi (400 m) from wildlands

Natl. Inst. Stand. Technol. Tech. Note 2205, page 8, Table 2 (March 2022)



□9	C.F.C. Chapter 49 Section 4906 - Vegetation Management		Mitiga	ate?	
□9.1	Is there an existing landscape plan?		Yes		No
	(If yes, include it at the end of this assessment)				
□ 9.2	Shrubs shall not exceed 6 ft in height. If yes, describe below.		Yes		No
□ 9.3	Groupings of shrubs are limited to aggregate diameter of 10 ft.		Yes		No
□ 9.4	Shrub groupings shall be separated from other groupings a minimum of 15 ft.		Yes		No
□ 9.5	Shrub groupings shall be separated from structures a minimum of 30 ft.		Yes		No
□9.6	Where shrubs are located below or within a tree's drip line, the lowest tree branch		Yes		No
	shall be a minium of 3x the height of the understory shrubs or 10 ft, whichever is				
	greater.				
□ 9.7	New trees that are fire resistant shall be planted and maintained so that the tree's		Yes		No
	drip line at maturity is a minimum of 10 ft from any structure.				
□ 9.8	The horizontal distance between crowns of new trees and crowns of adjacent		Yes		No
	trees shall not be less than 10 ft.				
□ 9.9	Existing trees shall be trimmed to provide a minimum separation of 10 ft away		Yes		No
	from chimney and stovepipe outlets.				
*Note:	New trees not classified as fire-resistant vegetation, such as conifers, palms, pep	per tr	ees a	nd	
eucaly	ptus species, shall be permitted provided the tree is planted and maintained so th	at the	tree's	s drip	line
at matu	urity is a minimum 30 ft from any structure.				
	Sland of Vogetation				



https://www.paperturn-view.com/cal-fire-communications/cal-fire-ready-set-go-brochure-final-files-v4-print?pid=MjU252417&p=11&v=2%3F

 \Box 10.1 Select which slopes are found on this parcel. \Box <20 deg.

□ 10.2 Select which slopes are found adjacent to this □<20 deg. parcel.

□ 10.3 Minimum Fuel Separation Distance if slope of concern is between wildland fuels & structures. (Applies to *Perimeter* and *Intermix* settings. See "Housing Density Type" chart in section 8.)

- □ Flat to mild slope (<20 degrees) =
 - Mild to moderate slope (20 40 degrees) = 150ft
- □ Moderate to steep slope (>40 degrees) = 200ft
- Does not apply

 \square

КАВ

D 20 - 40 deg.

20 - 40 deg.

100ft



□ >40 deg.

□ >40 deg.

🗆 11 De	fensible Space
□ 11.1 Zone 0: 0 - 5 ft from stru	ctures (include supporting images).
*No stacked firewood, vegetation, vehicles, wood	fences, bbq, smoker, or any other combustible fuels.
Items assessed:	Mitigation recommendations:
□ 11.2 Zone 1: 5 ft - 30 ft from st	tructure (include supporting images)
5ft-10ft: Small vegetation, propane tanks up to 125 gall	ons per C.F.C. Chapter 61 Section 6104.3.
10ft-25ft: Propane tanks between 126 - 500 gallons per	C.F.C Chapter 61 Section 6104.3, existing trees trimmed
at least 10ft away from chimney and stovepipe outlets, line at maturity is at least 10ft away.	new trees that are fire-resistant, and when the trees drip
25ft-30ft: Propane tanks between 501 - 2,000 gallons p	er C.F.C Chapter 61 Section 6104.3.
* Combustible fuels such as firewood, RV's, boats, sh	neds, gazebos, or shrub groupings, shall be relocated
into Zone 2. If the following combustible fuels cannot hardening is required. See section 13 for details.	be relocated in Zone 2, than removal or structure
Items assessed:	Mitigation recommendations:
Image: 11.3 Zone 2: 30 ft - 100 ft from structure	re if applicable (include supporting images).
30ft-50ft: Firewood, shrub groupings, and new trees not 50ft-100ft: ADU's, sheds, structures, RV's, boats, gazeb C.F.C. Chapter 61 Section 6104.3. * <i>If the above combustible fuels cannot be relocated i</i> <i>See section 13 for details.</i>	t fire resistant; dripline at maturity. bo, propane tanks between 2,001 - 30,000 gallon per into Zone 2, removal or structure hardening is required.
Items assessed:	Mitigation recommendations:



		•	
12 Fire & Ember Hardening (Includes Direct Flame Exposure, Radiant Heat & C	convection)	
(Select between Class 1, 2 or 3 Ignition-Resistant Construction based on sectio	ns 12.1 - 12	2.4)	
12.1 Class 1 Ignition-Resistant Construction (IWUIC Chapter 5)			
The neighboring structure or auxiliary structure separation distance (SSD) is $<$ 30ft or for extre	me hazards	sloca	ated
in FHSZ.			
12.2 Class 2 Ignition-Resistant Construction (IWUIC Chapter 5)			
The neighboring structure or auxiliary SSD is between 30ft - 50ft or for high hazards located in I	HSZ.		
□ 12.3 Class 3 Ignition-Resistant Construction (IWUIC Chapter 5)			
The neighboring structure or auxiliary SSD is between 50ft - 100ft or for moderate hazards loca	ted in FHSZ	<u>Z</u> .	
□ 12.4 Class 1 Ignition-Resistant Construction (IWUIC Chapter 5)			
The primary & auxiliary structure does not meet the Minimum Fuel Separation Distance (MFSD) between		
untreated wildland fuels & structures, based on topography (Natl. Inst. Stand. Technol. Tech. N	lote 2205,	Table	эB,
Page 62, March 2022)			
□ Flat to mild slope (<20 degrees) = 100ft			
Mild to moderate slope (20 - 40 degrees) = 150ft			
$\square \qquad \text{Moderate to steep slope (>40 degrees) = } 200 \text{ft}$			
\square Does not apply			
State Fire Marshal resource: https://calfire.govmotus.org/BMLSearch/Index			
Fire & Ember Hardening (Start ton down)	Mitigat	6 7	
EF12.5 Roof Assembly:		<u>.</u>	No
\Box Class 1: Class A rated roof space at the eave ends shall be firestopped or have one layer.	of 72lb min	eral-	
surfaced nonnerforated can sheet, renair damages, nlug onenings with non-combustible ma	toriale coa	l dan	<u> </u>
roof valley flashing 26ga, galyanized and corresion resistant 26 inches wide the entire length	ovor ono la		3, .f
700 valley itasining 20ga, galvanized and corrosion resistant 50-incres wide the entire tength	over one to	iyer c	ויי
/210 millerat-surfaced nonperiorated cap sheet, itasining over fascia and thermat barrier und			a .
(optional: Install a thermal barrier such as stone wool board and ignition-resistant roof tile b	atten). 🗆 C	lass	2:
Class A rated root, space at the eave ends shall be firestopped or have one layer of cap shee	t complying	g with	า
ASTM D3909, repair damages, plug openings with non-combustible materials, seal gaps, roo	f valley flas	shing	
26ga. galvanized and corrosion resistant 36-inches wide the entire length over one layer of 72	2lb mineral	-	
surfaced nonperforated cap sheet, flashing over fascia and thermal barrier under flashing (op	itional: inst	all a	
thermal barrier such as stone wool board and ignition-resistant roof tile batten). \Box Class 3:	Same as C	lass	2.
(Class B roof covering, IWUIC section 506.2, prohibited in CA).			
12.6 Roof Skylights:	Yes		No
\Box Install tempered glass outer pane \Box Install metal screen if the skylight opens \Box Metal flashi	ng 🗆 No exp	osec	d
wood.			
12.7 Solar Panels:	Yes		No
□ Install 1/8 inch corrossion resistant screen mesh to prevent debris accumulation under the	solar panel	s.	
□ 12.8 All vents (including makeup air intake):	Yes		No
\Box Ventilation openings shall be fully covered with vents that have been tested in accordance w	ith ASTM E	2886	
Ventilation openings shall not exceed 144 square inches each. Vents shall be covered with no	ncombustil	ole	
corrosion resistant mesh with openings between 1/16 - 1/8 of an inch. \Box Class 1: Attic ventilated	ion openin	gs sh	all
not be located in soffits, in eave overhangs, between rafters at eaves or in other overhang area	s. Gable-er	nd an	d
dormer vents shall be located not less than 10 feet from lot lines. Underfloor ventilation openin	ngs shall be	e loca	ated
as close to grade as practical. Consider vents with intumescent material and louvers. Dryer ve	nts shall ha	ive a	
metal flapper with no screen. Seal any gaps with fire-rated exterior caulking. Class 2: Same	as Class 1.		



Class 3: Attic ventilation may be installed in soffits, in eave overhangs, between rafters at e	eaves	or in o	ther	
overhang areas.				
□ EE12.9 Unvented Attics (C.B.C. T24 Section 1202.3): □ Consider for SSD < 30ft.		Yes		No
□ 12.10 Gutters and Downspouts:		Yes		No
For all classes of ignition-resistant construction. \Box Install metal gutters and downspouts \Box M	letal g	gutter g	uards	5 🗆
Metal flashing over fascia \Box Thermal barrier under flashing \Box Seal gaps.				
□ 12.11 Eaves and Soffits:		Yes		No
Class 1: Protect exposed underside with 1hr fire-rated ignition resistant or noncombustible	e mat	erials d	lirect	ly
over exposed wood. Consider enclosing the eaves with noncombustible materials. Attic vent	ilatior	n openi	ngs s	hall
not be located in soffits, eave overhangs, between rafters at eaves or in other overhang areas	(IWU	IC sect	ion	
504.10.3). Seal gaps with exerior fire-rated caulking. Consider unvented attic designs per C.E	3.C. T	24 sect	ion	
1202.3. 🗆 Class 2: Protect exposed underside with 1hr fire-rated ignition resistant or nonco	mbus	tible m	ateria	als
directly over exposed wood. Exposed rafter tails shall not be permitted unless constructed of	heav	y timbe	er	
materials (IWUIC section 505.3). Attic ventilation openings shall not be located in soffits, eav	/e ove	rhangs	,	
between rafters at eaves or in other overhang areas (IWUIC section 505.10.3). Seal gaps with	exter	ior fire	-rated	t
caulking. \Box Class 3: Protect exposed underside with 1hr fire-rated ignition resistant or nonco	mbus	stible n	nateri	als
directly over exposed wood. Exposed rafter tails shall not be permitted unless constructed of	heav	y timbe	er	
materials (IWUIC section 505.3). Attic ventilation openings are permitted at the eave or soffit	using	g fire ar	ıd em	ber
rated vents complying with ASTM E2886.				
EE12.12 Exterior Wall Siding:		Yes		No
Class 1: Constructed with non-combustible or 1hr fire-rated materials. Consider a 2hr fire-	-rated	l wall a	ssem	bly
when SSD is <30ft. Install 6-inch metal flashing at the ground, decking & roof intersections. In	ıstall	therma	al bar	rier
between metal siding or flashing to wood sheathing. Seal any gaps with fire-rated exterior cau	ılking	. 🗆 Cla	ss 2:	
Constructed with one of the following methods: Materials approved for not less than 1hr fir	e-rate	ed cons	truct	ion.
\Box Approved noncombustible materials. \Box Heavy timber or log wall construction. \Box Fire-retar	dant t	reated	wood	ł
labeld for exterior use. \Box Ignition-resistant materials. Complying with section 503.2 on the ex	terior	side ex	ktend	ing
from the top of the foundation to the underside of the roof sheathing. Seal any gaps with fire-	rated	exterio	r	
caulking. 🗆 Class 3: Same as Class 2.				
EE12.13 Windows:		Yes		No
Class 1: IWUIC section 504.8 "Exterior windows, window walls and glazed doors, windows	withi	n exter	or	
doors, and skylights shall be tempered glass, multilayered glazed panels, glass block or have	a fire	protec	tion	
rating of not less than 20 minutes." Consider 1hr+ fire-rated metal framed windows when SSI) <30	ft or fir	e-rate	d
operable shutters over existing windows or windows with only a 20 minute fire-rating. Install i	netal	screer	is on	
operable windows. Install a thermal barrier between metal framed windows and wood framin	g. 🗆 (Class 2	: IWL	JIC
section 505.8 "Exterior windows, window walls and glazed doors, windows within exterior doo	ors, ai	nd skyl	ights	
shall be tempered glass, multilayered glazed panels, glass block or have a fire protection rati	ngof	not les	s thar	ו 20
minutes." Consider installing fire-rated operable shutters over existing windows or windows v	with o	nly a 20)-min	ute
fire-rating when SSD is between 30ft-50ft. Class 3: Exterior windows, window walls and glassing of the statement of the stat	ized c	loors, v	vindo	WS
within exterior doors, and skylights shall be tempered glass, multilayered glazed panels, glas	s bloc	ck or ha	ve a f	ïre
protection rating of not less than 20 minutes.				
EE12.14 Exterior Doors:		Yes		No
Class 1: Exterior doors shall be approved noncombustible construction or have a fire-ratin	g of n	ot less	than	1-
hour. Install noncombustible threshold and door jamb. Install fire, ember and smoke rated w	eathe	r stripp	ing. I	f
the door jamb is metal, install a thermal barrier between the metal and wood framing to preve	ent ea	ich trar	isfer,	



especially at the hinges. Seal gaps with fire-rated exterior caulking. \Box Class 2: Exterior doors	shall be ap	proved
noncombustible construction, solid-core wood not less than 1 3/4 inches thick (45mm), or h	ave a fire-ra	ating of
not less than 20 minutes. Windows within doors and glazed doors shall be tempered, multigl	azed panels	s, glass
block or have a fire-rating of not less than 20 minutes. Install fire, ember and smoke rated we	ather stripp	oing. Seal
gaps with fire-rated exterior caulking. \Box Class 3: Same as Class 2.		
12.15 Exterior Screen Doors:	Yes	No
\Box Replace wood screen doors with metal screen door with metal mesh screen material.		
□ 12.16 Garage Doors:	Yes	No
\Box Exterior garage doors shall resist the intrusion of embers from entering by preventing gaps	between do	ors and
door openings, at the bottom, sides and tops of doors, from exceeding 1/8 inch (3.2mm). If the	ne garage do	oor is not
metal, install 6 inch metal flashing around the bottom of the door inside and out, within 1/8 i	nch of the gi	round,
and add fire-rated-gasketing around the garage door.		
□ 12.17 Skirting:	Yes	No
\Box Install non-combustible or 1hr fire-rated skirting on all sides of spaces under all structures	on the parc	cel.
□ 12.18 Decks, stairs and landings attached to residence:	Yes	No
For all classes of ignition-resistant construction: \Box Replace combustible materials with non-	combustibl	e or 1hr
fire-rated material, and \Box the area under the deck, stairs or landing must be maintained with	no combus	tible
materials. 🗆 Install metal flashing between deck boards at joists.		
□ 12.19 Deck-to-wall intersection:	Yes	D No
\Box Replace combustible siding with non-combustible or 1hr fire-rated siding and \Box install me	tal flashing:	with a
thermal barrier such as fiber cement board to prevent heat transfer to protect exposed sheat	hing.	
12.20 Fence-to-residence:	Yes	🗖 No
\Box Replace wood fence with metal/non-combustible option. \Box Consider installing a block wa	ll when SSD) is <30ft.
12.21 Retaining Walls:	Yes	No
\Box Replace retaining wall length equal to two times retaining wall height with non-combustibl	e material.	
12.22 Combustible Furniture:	Yes	D No
\Box Replace furniture with non-combustible furniture \Box move to Zone 1 \Box place cushions indo	oors when no	ot in use.
□ 12.23 Other Penetrations: □ Seal around penetrations with exterior fire-rated caulking	Yes	D No
Notes:		



a. Auxiliary structure exposure b. fire ladder





c. harden the side of the structure exposed d. fuel agglomeration

□ 13)	Overview of Structure & Fuel Separation Distances (Insert an overview of required mitigation)

