

ARIZONA WATER & FIRE INFO



Deah Hendriks
DH
REALTOR®

DEAH HENDRIKSZ

SURPRISE, AZ REALTOR

Reference Guide to Arizona Water

ARIZONA DPT OF WATER RESOURCES

ADWR

www.azwater.gov

CENTRAL ARIZONA WATER CONSERVATION DISTRICT

CAWCD

www.cap-az.com

CENTRAL ARIZONA GROUNDWATER REPLANISHMENT

CAGRD

www.website.com

CENTRAL ARIZONA PROJECT

CAP

www.cap-az.com

CAP KNOW YOUR WATER NEWS

CAWCD

www.cap-az.com

LONG-TERM STORAGE CREDITS

LTSC

[www.azwater.gov/recharge/
accounting](http://www.azwater.gov/recharge/accounting)

ACTIVE MANAGEMENT AREA

AMA

[www.azwater.gov/ama/active-
management-area-overview](http://www.azwater.gov/ama/active-management-area-overview)

IRRIGATION NON- EXPANSION AREA

INA

[www.azwater.gov/sites/default/
files/2023-12/
HualapaiValleyBasin-
INA_Fact_Sheet.pdf](http://www.azwater.gov/sites/default/files/2023-12/HualapaiValleyBasin-INA_Fact_Sheet.pdf)

MANAGEMENT PLAN

MANAGEMENT PLAN

[www.azwater.gov/5MP/plans-
concepts](http://www.azwater.gov/5MP/plans-concepts)

5TH MANAGEMENT PLANS CONCEPTS

AZWATER

[www.azwater.gov/5MP/plans-
concepts](http://www.azwater.gov/5MP/plans-concepts)

ARIZONA MUNICIPAL WATER USERS ASSOCIATION

AMWUA

www.amwua.org

ADEQUATE WATER SUPPLY PROGRAM

ADWR

[www.azwater.gov/aaws/aaws-
overview](http://www.azwater.gov/aaws/aaws-overview)

ASSURED WATER SUPPLY PROGRAM

AWS

[www.azwater.gov/ama/ama-
management-plans](http://www.azwater.gov/ama/ama-management-plans)

CERTIFICATE OF ASSURED WATER SUPPLY

CAWCD

[www.azwater.gov/sites/default/
files/media/Certificate of Assured
Water Supply Application.pdf](http://www.azwater.gov/sites/default/files/media/Certificate of Assured Water Supply Application.pdf)

DESIGNATION OF ASSURED WATER SUPPLY

[www.phoenix.gov/
waterservices/
resourcesconservation/
yourwater/water-resources-
information/assured-water](http://www.phoenix.gov/waterservices/resourcesconservation/yourwater/water-resources-information/assured-water)

WATER - RESOURCES

ARIZONA CORPORATE COMMISSION

ACC

www.azcc.gov/utilities/water

CERTIFICATE OF CONVENIENCE & NECESSITY

CC&N

[www.azcc.gov/utilities/telephone/
telephone-applications-and-
forms](http://www.azcc.gov/utilities/telephone/telephone-applications-and-forms)

ARIZONA WATER BANKING AUTHORITY

AWBA

waterbank.az.gov

AZ WATER ASSOCIATION

AZWA

www.azwater.org

DROUGHT CONTINGENCY PLAN

DCP

[https://www.drought.gov/
colorado-river-drought-
contingency-plan](https://www.drought.gov/colorado-river-drought-contingency-plan)

WATER INFRASTRUCTURE FINANCE AUTHORITY OF ARIZONA

WIFA

www.azwifa.gov

WATER RESOURCES RESEARCH CENTER

WRRRC

wrrc.arizona.edu/directory

CONSERVATION OVERVIEW

www.azwater.gov/conservation

PLANT CONSERVATION OVERVIEW

AMWUA

www.amwua.org/plants

ARIZONA GAME & FISH DEPARTMENT

AZGFD

www.azgfd.com

WATER USE IT WISELY

wateruseitwisely.com

SMART HOME WATER GUIDE

[www.phoenix.gov/
waterservicessite/
Documents/Smart Home
Water Guide.pdf](http://www.phoenix.gov/waterservicessite/Documents/Smart%20Home%20Water%20Guide.pdf)

SALT RIVER PROJECT

[https://blog.srpnet.com/expert-
advice/](https://blog.srpnet.com/expert-advice/)



Water in Arizona



Questions You Should Ask BEFORE Purchasing or Renting a Property in Arizona.

This worksheet will assist you in accessing a property's water sources
weserv.realtor | weservgad.org



Is the Property located in an AMA, INA or something else?

- ✓ Active Management Area (AMA)
- ✓ Irrigation Non-Expansion Area (INA)
- ✓ Other (Explain)

Helpful Resources:

WeSERV Water in Arizona: Is My Property in an AMA or INA?
<https://www.wemargad.org/category/task-force-flyers/>

Az Dept. Water Resources (ADWR) AMA & INA Map
<https://new.azwater.gov/permitting-wells/ama-and-ina-map>

How Does Water Get to the Property?

- a) Water Provider/Distribution System
- b) Well
- c) Surface Water
- d) Hauled Water
- e) No Water

A What is the water distribution system?

- ✓ City/Town
- ✓ Regulated Water Utility
 - Frequently Used Names:
 - Water Company, Utility Company, Water Improvement District, Water Conservation District, Irrigation District or similar

How do I find the water distribution system information?

Contact the city, town or regulated water utility
 For the subdivision or property, What is/are the Water Distributor's Source/s of Water?

- ✓ SRP
- ✓ Ground Water
- ✓ Other (Explain)
- ✓ CAP
- ✓ Surface Water

Does the Property's Water Distributor Have

- ✓ 100-year Assured Water Supply
- ✓ Adequate Water Supply
- ✓ No Water or Inadequate Water Supply

Helpful Resources:

Az Dept. Water Resources INA & AMA Map
<https://azwatermaps.azwater.gov/aaws/>

Az Dept. Water Resources – Assured and Adequate Water Supply
<https://new.azwater.gov/aaws>

Az Dept. Water Resources – Community Water Systems
<https://new.azwater.gov/cws/cws-resources#GuidanceDocs>

Az Dept. Water Resources – List of Municipal Water Providers Feb. 2, 2022
https://new.azwater.gov/sites/default/files/media/List_of_Designated_Providers_2-2-2022_1.pdf

Az Corporation Commission – Water Systems and Companies
<https://www.azcc.gov/utilities/water#:~:text=The%20Arizona%20Corporation%20Commission%20maintains,350%20companies%20under%20our%20jurisdiction.>

B Groundwater

- Well (private)
 - ✓ Individual owned
 - ✓ HOA owned
- Shared Well
 - Obtain copy of well agreement
 - ✓ Are there any limitations or restrictions for use on the property?
 - ✓ Are there Financing Overlays?
- Are there financing limitations or restrictions?
 University of Arizona Shared Well Facts
<https://extension.arizona.edu/sites/extension.arizona.edu/files/pubs/az1810-2020.pdf>
- Exempt Well
- Non-Exempt Well
- Other Groundwater Use Limitations (state, county, local)

General well information, construction, pump info, water level records, hydrographs, water quality data:

Az Dept. Water Resources Well Information
<https://www.azwater.gov/gwsi/SearchGWSI.aspx>

Az Dept. Water Resources Well Registry
<https://azwatermaps.azwater.gov/wellreg>

Groundwater Permitting and Well FAQ
<https://new.azwater.gov/permitting-wells/frequently-asked-questions>

Az Dept. Water Resources Well Drilling Information
<https://new.azwater.gov/permitting-wells/well-drilling-arizona>

Surface Water

"The waters of all sources, flowing in streams, canyons, ravines or other natural channels, or in definite underground channels, whether perennial or intermittent, flood, waste or surplus water, and of lakes, ponds and springs on the surface, belong to the public and are subject to appropriation and beneficial use", (Arizona Revised Statutes§ 45-141).

Az Department of Water Resources -Surface Water Facts

[https:// new.azwater.gov/ s urface-water](https://new.azwater.gov/surface-water)

Hauled Water

Do it Yourself? Which water Haulers service the property/ area

- Terms & Expense of water hauling agreement/ contract?
- What is the source of water hauler's water?
- Are there limitations for water hauler's water source?

No Water

Should You Create Your Own Water Portfolio? Is there water technology that will help broaden your water portfolio?

Ask Yourself

- Should you create your own water portfolio?
- Is there water technology that will help broaden your water portfolio

For each water delivery method associated with the property

- Is/are the water source/s potentially compromised/unreliable?
- What is the water quality?
- What is the provider's water portfolio? And water management?

Helpful Resources:

ADEQ Superfund Site

https://azdeq.gov/NPL_Sites

ADEQ Database

<https://azdeq.gov/databases>

Is the Property

- In a Community Facilities District (CFD) currently assessing fees?
- In a Water Improvement District?
- In a HOA?

Does the entity provide/deliver water?
Are there additional fees associated with water delivery to the property?

Helpful Resources:

Az Dept. Water Resources Community Water Systems

<https://new.azwater.gov/cws/system-water-plan>

Other Considerations:

Water Rights

- Do you have rights to access and use the water on the property?

Clarify your water rights

- What are the legal uses of the water you ave?
- Do you have "Grandfathered" water rights?
 - [https://n ew.azwater.gov/ news/a rticles/2019-04-01](https://new.azwater.gov/news/articles/2019-04-01)
- Groundwater Rights Map
 - [https:// new.azwater.gov/ news/ arti cles/2019-04-01](https://new.azwater.gov/news/articles/2019-04-01)
- Do you have Senior Priority Rights or JuniorPriority Surface Water Rights?
 - [https:// new.azwater.gov/ surface-water /faqs](https://new.azwater.gov/surface-water/faqs)

Az State Legislature:

<https://www.azleg.gov/>

ARS 45-141: Definition of Surface Water

[https://www.azleg.gov/ars/ 45/00141.htm](https://www.azleg.gov/ars/45/00141.htm)

ARS 45-151(A): Definition of beneficial use for Prior Appropriation claim

<https://www.azleg.gov/ars/45/00151.htm>

Ground Water Management Act of 1980

[https:// new.azwater.gov / news/ articles/2016-18-11](https://new.azwater.gov/news/articles/2016-18-11)

Drought Contingency Plan

[https:// apps.azleg.gov /BillStatus/BillOverview /71807](https://apps.azleg.gov/BillStatus/BillOverview/71807)

Note:

The information in this document is provided with the understanding that it is not intended as legal or other professional service or advice. This document has been prepared as a courtesy to inform you that Arizona has water laws. The information and links contained herein may not be updated or revised for accuracy. Buyers, Sellers and property owners are urged to consult an attorney, local, state, and federal government authorities as well as www.azleg.gov for more information on water laws, rules and ordinances.



weserv.realtor



weservgad.org

Water in Arizona – Is My Property in an AMA or INA?

The 1980 Arizona Groundwater Management Act dictates groundwater uses in Arizona.
<https://new.azwater.gov/news/articles/2016-18-11>

What is an AMA?

Active Management Area: Assured Water Supply rules are in place and used to manage water supply. Subdivision developers must demonstrate a 100-year Assured Water Supply to the Arizona Department of Water Resources. Wells are monitored and registered. Exempt Wells are private, domestic wells that pump 35 gal/minute or less.

There are 6 AMAs in Arizona: Prescott, Phoenix, Pinal, Tucson, Douglas and Santa Cruz. AMA goals vary throughout the state. Each AMA has its own goals. See the WeSERV flyer *Water in Arizona - Arizona Groundwater Management*

Map of AMAs:

<https://azwatermaps.azwater.gov/aaws/>

What is an INA?

Irrigation Non-Expansion Areas: These are areas where insufficient groundwater exists to provide new agricultural land irrigation at the current rate of groundwater withdrawal. The purpose of an INA is to preserve the existing irrigation of cultivated lands.

There are 3 in AZ: Joseph City, Harquahala and Hualapai Valley.

Map of INAs:

<https://azwatermaps.azwater.gov/aaws/>

What is Assured Water Supply?

The Assured Water Supply is a measure to sustain the state's economic health by preserving groundwater resources.

There are 7 elements required to obtain a certificate of Assured Water Supply.

- ✓ Physical, continuous, and legal Water Availability
- ✓ Water Quality standards are met
- ✓ Financial Capability to construct a delivery system, storage or treatment facilities
- ✓ Consistent with AMA Management Plan and Goals

You can read more about AMA Assured Water Supply elements at <https://new.azwater.gov/aaws/>.

Use this map to determine if your property has and Assured Water Supply:
<https://new.azwater.gov/aaws/maps-resources>

Use this interactive map to determine if your property is in an AMA or INA:

<https://new.azwater.gov/aaws/maps-resources>

AMAs and INAs are unique geographical areas.



www.weservgad.org
weserv.realtor



What is Adequate Water Supply?

Outside an AMA: Water supplies are not assured. State law provides that water adequacy or inadequacy must be disclosed to a property buyer.

To receive a determination of Adequate Water Supply 5 elements are required:

- ✓ Physical, continuous, and legal Water Availability
- ✓ Water Quality standards are met
- ✓ Financial Capability to construct a delivery system, storage, or treatment facilities

Some local governments require a developer receive a determination of 100-year water adequacy. You can find a list of Mandatory Adequacy Jurisdictions at <https://new.azwater.gov/aaws>

Some areas have designated water providers. Developments with a written letter of service commitment from a designated water provider do not need to prove assured or adequate water supplies.

Use this map to determine if your property has an adequate water supply: <https://gisweb3.azwater.gov/aaws>

Find a list of Designated Water Providers
<https://new.azwater.gov/ama/municipal-program>

**or Contact the Az Dept. of Water Resources at
602-771-8500**

What Happens if I don't have water on my land?

Visit the AZ Department of Water Resources website to determine if there are grandfathered water rights tied to the land and what the source of the water is.
<https://new.azwater.gov/news/articles/2019-04-01>

Identify potential water sources:

Call the Arizona Department of Water Resources or visit the website.

Contact local authorities to determine access to water.

AZ Groundwater Information

Az Dept. of Water Resources – Glossary of Terms
<https://new.azwater.gov/dictionary?page=1>.

Arizona Groundwater Management Act (1980) – ARS Title 45
<https://www.azleg.gov/arsDetail/?title=45>

Arizona Department of Water Resources (ADWR):
<https://new.azwater.gov/>

ADWR Contact Us Page:
<https://new.azwater.gov/adwr/contact-us>

Ground Water Rights Interactive Map:
<https://gisweb3.azwater.gov/igfr>

Arizona Water Blueprint – Interactive map
<https://azwaterblueprint.asu.edu/feature/blueprint>
Find Hydrology, AMAs, INAs, infrastructure, storage facilities, watersheds, CAP canals and more

Guide to the Well Cadastral or Legal Description:
<https://www.azwater.gov/azdwr/documents/township-section-range-color.pdf>

Well Registry Handbook:
<https://gisweb.azwater.gov/WellRegistry/WellRegistryHandbook.pdf>

Arizona Well Registry Map:
<https://gisweb3.azwater.gov/WellReg>

Assured and Adequate Water Supply Map (AAWS):
<https://gisweb2.azwater.gov/AAWS#>

Water Document Registry:
<https://infoshare.azwater.gov/docushare/dsweb/HomePage>

Designated Water Providers List
https://new.azwater.gov/sites/default/files/media/List_of_Designated_Providers_2-19-2020.pdf

Groundwater Permitting & Wells Section - ADWR
[http://infoshare.azwater.gov/docushare/dsweb/Get/Document-11792/Practical_Guide_Rev_09-23-2019_for_Web\(2\).pdf](http://infoshare.azwater.gov/docushare/dsweb/Get/Document-11792/Practical_Guide_Rev_09-23-2019_for_Web(2).pdf)

A Well Owner's Guide to Ground Water Resources
<https://extension.arizona.edu/sites/extension.arizona.edu/files/pubs/az1451.pdf>

A Well Owner's Guide to Water Supply – U of A 2009
<https://wrrc.arizona.edu/sites/wrrc.arizona.edu/files/az1485.pdf>

A Well Owner's Guide to Water Supply – U of A 2017
https://extension.arizona.edu/sites/extension.arizona.edu/files/pubs/az1485-2017_0.pdf

RESOURCES:

ARIZONA DEPARTMENT OF WATER RESOURCES

www.azwater.gov

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

<http://www.azdeq.gov/environ/water>

CENTRAL ARIZONA GROUND WATER REPLENISHMENT DISTRICT

<http://www.cagrdr.com>

UNIVERSITY OF ARIZONA WATER RESOURCES RESEARCH CENTER

<http://ca.s.arizona.edu/AZWATER>

WATER EDUCATION FOUNDATION

[HTTP://www.watereducation.org](http://www.watereducation.org)

AZ WATER MAPS

azwatermaps.azwater.gov/aaws/

WATERSHED CONNECTION

www.azwater.gov/az-cities/watershed

HYDROPANELS

<https://theconservationfoundation.org/hydropanel/>

HYDROLOOP

<https://www.hydraloop.com/>

CAP ARIZONA

<https://azwatermaps.azwater.gov/aaws/>

ARIZONA WATER ADJUDICATION

<https://www.azwater.gov/adjudications>

ARIZONA WATER

<https://www.azwater.gov/>

FEMA FLOOD HAZARD AREA

<https://www.fema.gov/flood-maps>

ARIZONA FLOOD MAPS

<https://www.azwater.gov/floodplain-management-overview>

HELPFUL RESOURCES TO LEARN MORE ABOUT ARIZONA WATER

ADEQ

[HTTPS://AZDEQ.GOV/](https://azdeq.gov/)

AZ DEPT. OF WATER RESOURCES

[AZWATER.GOV](http://azwater.gov)

ADWR EMERGENCY WATER SOURCES - WHAT YOU SHOULD KNOW:

[HTTPS:// WATER.OZ.GOV/ SITES/ DEFAULT/FILES/ MEDIA/ERNER GENCY _ WATER _SOURCES_REVISD_O.PDF](https://water.az.gov/sites/default/files/media/emergency_water_sources_revised_0.pdf)

ADWR WATER INTERACTIVE MAP

[HTTPS:// NEW.AZWATER.GOV/ GIS](https://new.azwater.gov/gis)

THE WHIP INTERACTIVE WATER MAP - COCHISE UPPER SAN PEDRO RIVER:

[HTTPS://UPPERSANPEDROWHIP.ORG/MAP/](https://uppersanpedrowhip.org/map/)

COUNTY WELL REGISTRY

[HTTPS://WWW.AZWATER.GOV/WELL REGISTRY/ SEARCHWELLREG.ASPX](https://www.azwater.gov/well-registry/searchwellreg.aspx)

SURFACE WATERSHEDS

[HTTPS:// NEW.AZWATER.GOV / SITES/ DEFAULT/FILES/WATERSHED_GWBASINS.PDF](https://new.azwater.gov/sites/default/files/watershed_gwbasins.pdf)

IRRIGATION DISTRICTS

[HTTPS:// NEW.AZWATER.GOV / SITES/ DEFAULT/FILES/IRRIGATIONDISTRICTS.PDF](https://new.azwater.gov/sites/default/files/irrigation_districts.pdf)

WETLANDS-

[HTTPS:// DATA BASIN.ORG/ MAPS/ NEW/ #DATASETS= 15DE7865FC534A65913923BF8D5CF611](https://data.basin.org/maps/new/#datasets=15DE7865FC534A65913923BF8D5CF611)

AGRICULTURE - UNIVERSITY OF ARIZONA

[HTTPS:// CALS.ARIZONA.EDU/ RESEARCH/ CENTERS-INSTITUTES](https://cals.arizona.edu/research/centers-institutes)

PRECISION AGRICULTURE

[HTTPS:// BE.ARIZONA.EDU/ CONTENT/ RESEARCH/ PRECISIONAGRICULTURE](https://be.arizona.edu/content/research/precisionagriculture)

HELPFUL RESOURCES TO LEARN MORE ABOUT ARIZONA WATER

SMALL SCALE FARMER PROGRAM U OF A

[HTTPS:// EXTENSION.ARIZONA.EDU/URBAN-AG](https://extension.arizona.edu/urban-ag)

AZ DEPT. OF AGRICULTURE

[HTTPS://AGRICULTURE.AZ.GOV/](https://agriculture.az.gov/)

AZ DROUGHT MAP

[HTTPS:// DROUGHTMONITOR.UNL.EDU/ CURRENTMAP/STATED
ROUGHTMONITOR.ASPX? AZ](https://droughtmonitor.unl.edu/currentmap/statedroughtmonitor.aspx?az)

U.S. DEPT. OF RECLAMATION (PHOENIX OFFICE BASIN STUDIES)

[HTTPS://WWW.USBR.GOV/LC/PHOENIX/](https://www.usbr.gov/lc/phoenix/)

LOCAL CITY/TOWN/COUNTY WATER MANAGEMENT DEPARTMENT. LIST OF ASSURED AND ADEQUATE MUNICIPAL WATER PROVIDERS (2/2/22):

[HTTPS://NEW.AZWATER.GOV/SITES/DEFAULT/FILES/MEDIA/
LIST_OF_DESIGNATED_PROVIDERS_2-2-2022_ L.PDF](https://new.azwater.gov/sites/default/files/media/list_of_designated_providers_2-2-2022_L.pdf)

AZ COMMUNITY WATER SYSTEMS:

[HTTPS:// NEW.AZWATER.GOV / CWS/ CWS-RE SOU RCES#GU ID ANCEDOCS](https://new.azwater.gov/cws/cws-resources#guidancedocs)

ADWR WATER LAWS, RULES & POLICIES -

[HTTPS:// NEW.AZWATER.GOV / LAWS-RULES-POLICIES](https://new.azwater.gov/laws-rules-policies)

DWR INTERACTIVE GROUND WATER RIGHTS MAP

[HTTPS://NEW.AZWATER.GOV/NEWS/ARTICLES/2019-04-01](https://new.azwater.gov/news/articles/2019-04-01)

HYDROLOGIC AND WATER LEVEL CHANGE INFO

[HTTPS:// NEW.AZWATER.GOV /HYDROLOGY/ E-LIBRARY](https://new.azwater.gov/hydrology/e-library)

RAINWATER HARVESTING

[HTTPS://WRRC.ARIZONA.EDU/PROGRAMS/WATER-RAPIDS/PROJECTS/
WATERSHED-PLANNING-UPPER-GILA-WATERSH ED/ GUIDE-LANDOWNERS-
UPPER-15#:~:TEXT=
LN%20THE%20STATE%20OF%20ARIZONA,RUNOFF%20TO%20WATER%20C
OL LECTION%20TAN KS](https://wrrc.arizona.edu/programs/water-rapids/projects/watershed-planning-upper-gila-watershed/guide-landowners-upper-15#:~:text=LN%20THE%20STATE%20OF%20ARIZONA,RUNOFF%20TO%20WATER%20COLLECTION%20TANKS)

FIRE – RESOURCES

FIRE-WISE USA

<https://www.nfpa.org/education-and-research/wildfire/firewise-usa>

PREPARING YOUR HOME FOR A WILDFIRE

<https://www.nfpa.org/en/Education-and-Research/Wildfire/Preparing-homes-for-wildfire>

WHAT ARE THE PRIMARY THREATS TO HOMES DURING A WILDFIRE?

Research around home destruction vs. home survival in wildfires point to embers and small flames as the main way that the majority of homes ignite in wildfires. Embers are burning pieces of airborne wood and/or vegetation that can be carried more than a mile through the wind can cause spot fires and ignite homes, debris and other objects.

There are methods for homeowners to prepare their homes to withstand ember attacks and minimize the likelihood of flames or surface fire touching the home or any attachments. Experiments, models and post-fire studies have shown homes ignite due to the condition of the home and everything around it, up to 200' from the foundation. This is called the Home Ignition Zone (HIZ).

Learn more about how wildfires spread and ignite home in our online course [Understanding the Wildfire Threat to Homes. An overview of fire history, fire basics, and how homes burn.](#)



WHAT IS THE HOME IGNITION ZONE?

The concept of the home ignition zone was developed by retired USDA Forest Service fire scientist Jack Cohen in the late 1990s, following some breakthrough experimental research into how homes ignite due to the effects of radiant heat. The HIZ is divided into three zones.

IMMEDIATE ZONE

The home and the area 0-5' from the furthest attached exterior point of the home; defined as a non-combustible area. Science tells us this is the most important zone to take immediate action on as it is the most vulnerable to embers. **START WITH THE HOUSE ITSELF** then move into the landscaping section of the Immediate Zone.

- Clean roofs and gutters of dead leaves, debris and pine needles that could catch embers.
- Replace or repair any loose or missing shingles or roof tiles to prevent ember penetration.
- Reduce embers that could pass through vents in the eaves by installing 1/8 inch metal mesh screening.
- Clean debris from exterior attic vents and install 1/8 inch metal mesh screening to reduce embers.
- Repair or replace damaged or loose window screens and any broken windows. Screen or box-in areas below patios and decks with wire mesh to prevent debris and combustible materials from accumulating.

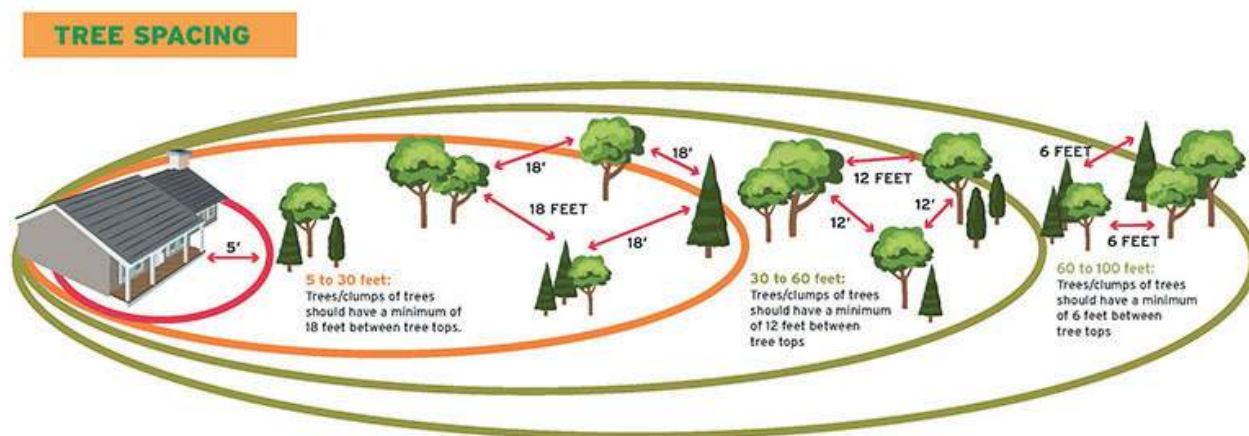
Move any flammable material away from wall exteriors – mulch, flammable plants, leaves and needles, firewood piles – anything that can burn. Remove anything stored underneath decks or porches.

INTERMEDIATE ZONE

5-30' from the furthest exterior point of the home. Landscaping/hardscaping-employing careful landscaping or creating breaks that can help influence and decrease fire behavior

- Clear vegetation from under large stationary propane tanks.
- Create fuel breaks with driveways, walkways/paths, patios, and decks.
- Keep lawns and native grasses mowed to a height of four inches.
- Remove ladder fuels (vegetation under trees) so a surface fire cannot reach the crowns. Prune trees up to six to ten feet from the ground; for shorter trees do not exceed 1/3 of the overall tree height.
- Space trees to have a minimum of eighteen feet between crowns with the distance increasing with the percentage of slope.
- Tree placement should be planned to ensure the mature canopy is no closer than ten feet to the edge of the structure.

Tree and shrubs in this zone should be limited to small clusters of a few each to break up the continuity of the vegetation across the landscape.



EXTENDED ZONE

Extended zone

30-100 feet, out to 200 feet. Landscaping – the goal here is not to eliminate fire but to interrupt fire's path and keep flames smaller and on the ground.

- Dispose of heavy accumulations of ground litter/debris.
- Remove dead plant and tree material.
- Remove small conifers growing between mature trees.
- Remove vegetation adjacent to storage sheds or other outbuildings within this area.
- Trees 30 to 60 feet from the home should have at least 12 feet between canopy tops.*
- Trees 60 to 100 feet from the home should have at least 6 feet between the canopy tops.*

HOW TO PREPARE YOUR HOME FOR WILDFIRES

WILDFIRE RISK REDUCTION STEPS THAT CAN MAKE YOUR HOME SAFER DURING A WILDFIRE



1. VEGETATION MANAGEMENT

1. HOME IGNITION ZONES

To increase your home's chance of surviving a wildfire, choose fire-resistant building materials and limit the amount of flammable vegetation in the three home ignition zones. The zones include the **Immediate Zone**: (0 to 5 feet around the house), the **Intermediate Zone** (5 to 30 feet), and the **Extended Zone** (30 to 100 feet).

2. LANDSCAPING AND MAINTENANCE

To reduce ember ignitions and fire spread, trim branches that overhang the home, porch, and deck and prune branches of large trees up to 6 to 10 feet (depending on their height) from the ground. Remove plants containing resins, oils, and waxes. Use crushed stone or gravel instead of flammable mulches in the **Immediate Zone** (0 to 5 feet around the house). Keep your landscape in good condition.

2. FIRE RESISTIVE CONSTRUCTION

3. ROOFING AND VENTS

Class A fire-rated roofing products, such as composite shingles, metal, concrete, and clay tiles, offer the best protection. Inspect shingles or roof tiles and replace or repair those that are loose or missing to prevent ember penetration. Box in eaves, but provide ventilation to prevent condensation and mildew. Roof and attic vents should be screened to prevent ember entry.

4. DECKS AND PORCHES

Never store flammable materials underneath decks or porches. Remove dead vegetation and debris from under decks and porches and between deck board joints.

5. SIDING AND WINDOWS

Embers can collect in small nooks and crannies and ignite combustible materials; radiant heat from flames can crack windows. Use fire-resistant siding such as brick, fiber-cement, plaster, or stucco, and use dual-pane tempered glass windows.

3. BE PREPARED

6. EMERGENCY RESPONDER ACCESS

Ensure your home and neighborhood have legible and clearly marked street names and numbers. Driveways should be at least 12 feet wide with a vertical clearance of 15 feet for emergency vehicle access.

- Develop, discuss, and practice an emergency action plan with everyone in your home. Include details for handling pets, large animals, and livestock.
- Know two ways out of your neighborhood and have a predesignated meeting place.
- Always evacuate if you feel it's unsafe to stay—don't wait to receive an emergency notification if you feel threatened from the fire.
- Conduct an annual insurance policy checkup to adjust for local building costs, codes, and new renovations.
- Create or update a home inventory to help settle claims faster.



**TALK TO YOUR LOCAL FORESTRY AGENCY
OR FIRE DEPARTMENT TO LEARN MORE
ABOUT THE SPECIFIC WILDFIRE RISK
WHERE YOU LIVE.**



FIREWISE USA®
RESIDENTS REDUCING WILDFIRE RISKS

VISIT [FIREWISE.ORG](https://www.firewise.org) FOR MORE DETAILS

Firewise® is a program of the National Fire Protection Association. This publication was produced in cooperation with the USDA Forest Service, US Department of the Interior, and the National Association of State Foresters. NFPA is an equal opportunity provider. Firewise® and Firewise USA® are registered trademarks of the National Fire Protection Association, Quincy, MA 02169.

Order a Reducing Wildfire Risks in the Home Ignition Zone checklist/poster at [Firewise.org](https://www.firewise.org)

HOME IGNITION ZONE CHECKLIST

SIMPLE STEPS FROM ROOF TO FOUNDATION TO MAKE A HOME SAFER FROM EMBERS AND RADIANT HEAT

- ☐ Clean roofs and gutters of dead leaves, debris and pine needles that could catch embers
- ☐ Replace or repair any loose or missing shingles or roof tiles to prevent ember penetration
- ☐ Reduce embers that could pass through vents in the eaves by installing 1/8 inch metal mesh screening
- ☐ Clean debris from exterior attic vents and install 1/8 inch metal mesh screening to reduce embers
- ☐ Repair or replace damaged or loose window screens and any broken windows
- ☐ Screen or box-in areas below patios and decks with wire mesh to prevent debris and combustible materials from accumulating
- ☐ Move any flammable material away from wall exteriors - mulch, flammable plants, leaves and needles, firewood piles - anything that can burn
- ☐ Remove anything stored underneath decks or porches

VISIT [FIREWISE.ORG](https://www.firewise.org) FOR MORE DETAILS

YOUR *local* EXPERT



Disclaimer

! Please keep in mind that this list is only provided to you as a courtesy. You are not required to use any of the information included on this list. Please note that I will not be held liable for any of the above information or links.



West Phoenix, AZ



425.407.2800 cell



deah@dhrealtor.com

