

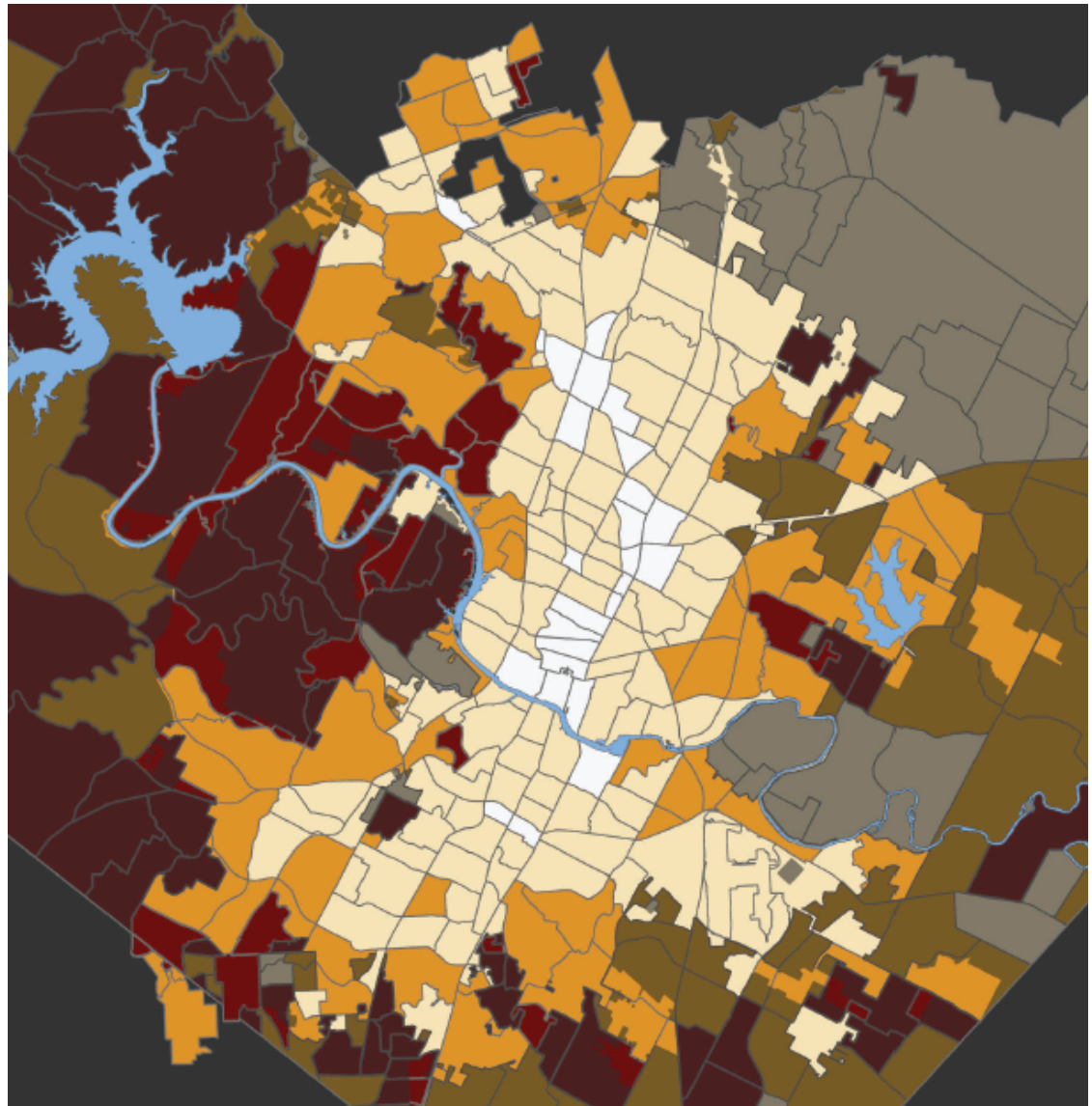
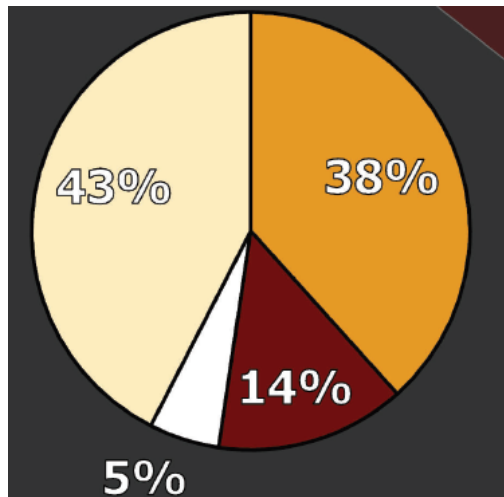
Wildland-Urban Interface Code WUI Code

Zoning and Platting Commission

August 6, 2019



City of Austin Community Wildfire Risk



Wildfire Risk Assessment

District	At-Risk Structures				Zone 5	Total
	Zone 1	Zone 2	Zone 3	Zone 4		
CD1	5,567	5,868	7,770	8,180	9,666	37,051
CD2	4,822	5,998	10,051	7,628	6,539	35,038
CD3	1,710	2,107	4,178	3,689	16,314	27,998
CD4	313	532	1,329	4,122	19,173	25,469
CD5	3,920	5,245	8,315	11,736	9,805	39,021
CD6	4,314	3,864	6,108	11,611	4,713	30,610
CD7	2,171	2,383	5,062	2,109	27,026	38,751
CD8	7,145	7,610	11,822	5,855	998	33,430
CD9	211	419	1,298	317	23,635	25,880
CD10	5,652	4,395	6,849	7,307	10,404	34,607
Total	35,825	38,421	62,782	62,554	128,273	327,855

Zones based on structure proximity to wildlands; i.e. 1 - within 100 feet, 2- within 400 feet, 3 – within 1000 feet, 4 - within 1.5 miles, 5 - more than 1.5 miles.



AFD Wildfire Programs



- Operations Support
 - Training
 - Pre-plan
 - Logistics
- Outreach and Education
 - Firewise Communities
 - Sim table exercises
 - Home Ignition Zone Recommendations
- Fuel Reduction
 - Prescribed Fire
 - Mechanical Treatment
- Planning
 - Hazard Plans
 - Operations
 - Mitigation
 - Evacuation
 - City Plans
 - Land Management
 - Community Resiliency
 - City Codes
 - Land Development Code
 - Building Codes

WUI Code

Technical Building Code

2015 International Code Council Wildland Urban Interface Code

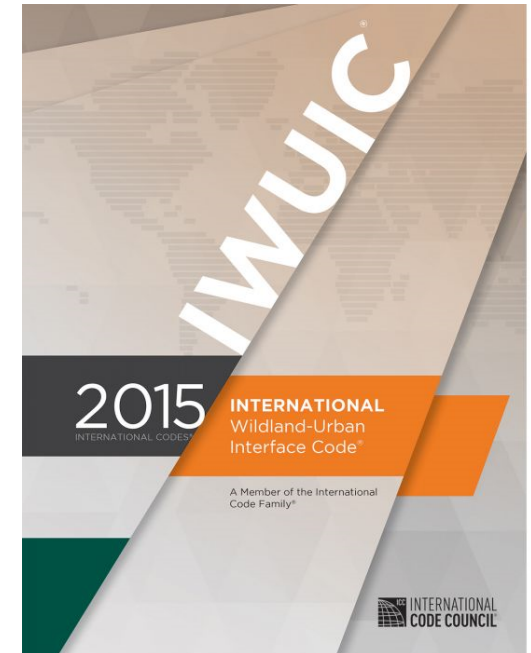
§ 25-1-501 - INITIATION OF AMENDMENT

Council Resolution 20160512-016

§ 25-1-502 - AMENDMENT; REVIEW

(D) For a proposed amendment to or repeal of a technical code in Chapter 25-12 (*Technical Codes*), review by the appropriate technical board, if any, is required.

Building and Fire Code Board of Appeals



WUI Code Areas

Community Wildfire Risk

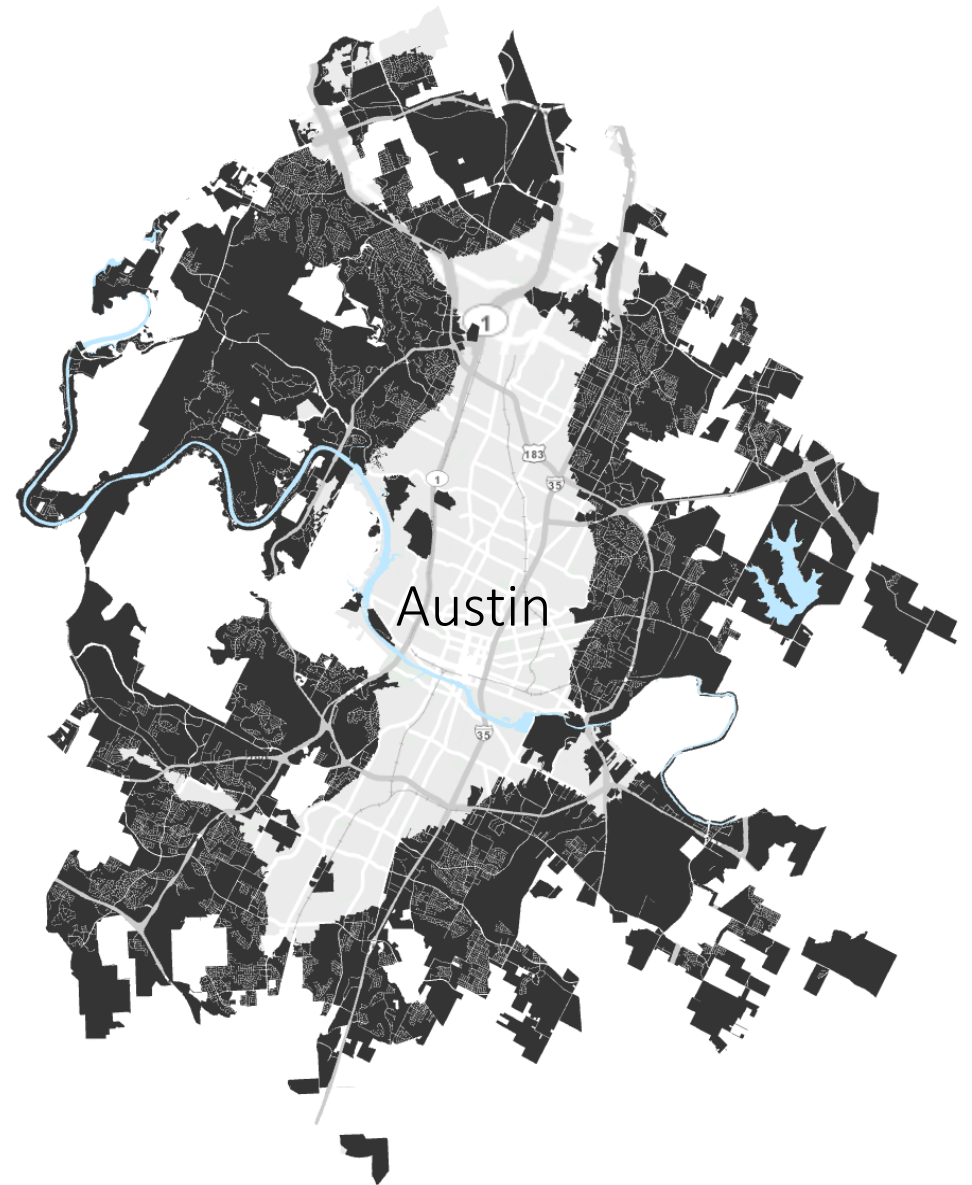
Vegetation

Topography

Proximity to Wildlands

40 acres or larger

1.5 miles for ember zone



WUI Code

Ignition Resistant Construction - New & Remodeled Structures

	Fire Hazard Severity					
	Moderate Hazard		High Hazard		Extreme Hazard	
	Water Supply ^b		Water Supply ^b		Water Supply ^b	
	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e
Defensible Space ^c						
Nonconforming	R	R	R	R	R	NP
Conforming	NR	R	R	R	R	R
1.5 x Conforming	NR	NR	NR	R	R	R

NR-not required

R-required

NP-not permitted

WUI Code

Ignition Resistant Construction - New & Remodeled Structures

	Fire Hazard Severity					
	Moderate Hazard		High Hazard		Extreme Hazard	
	Water Supply ^b		Water Supply ^b		Water Supply ^b	
	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e
Defensible Space ^c						
Nonconforming	R	R	R	R	R	NP
Conforming	NR	R	R	R	R	R
1.5 x Conforming	NR	NR	NR	R	R	R

NR-not required

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WUI Code

Ignition Resistant Construction - New & Remodeled Structures

	Fire Hazard Severity					
	Moderate Hazard		High Hazard		Extreme Hazard	
	Water Supply ^b		Water Supply ^b		Water Supply ^b	
	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e
Defensible Space ^c						
Nonconforming	R	R	R	R	R	NP
Conforming	NR	R	R	R	R	R
1.5 x Conforming	NR	NR	NR	R	R	R

NR-not required

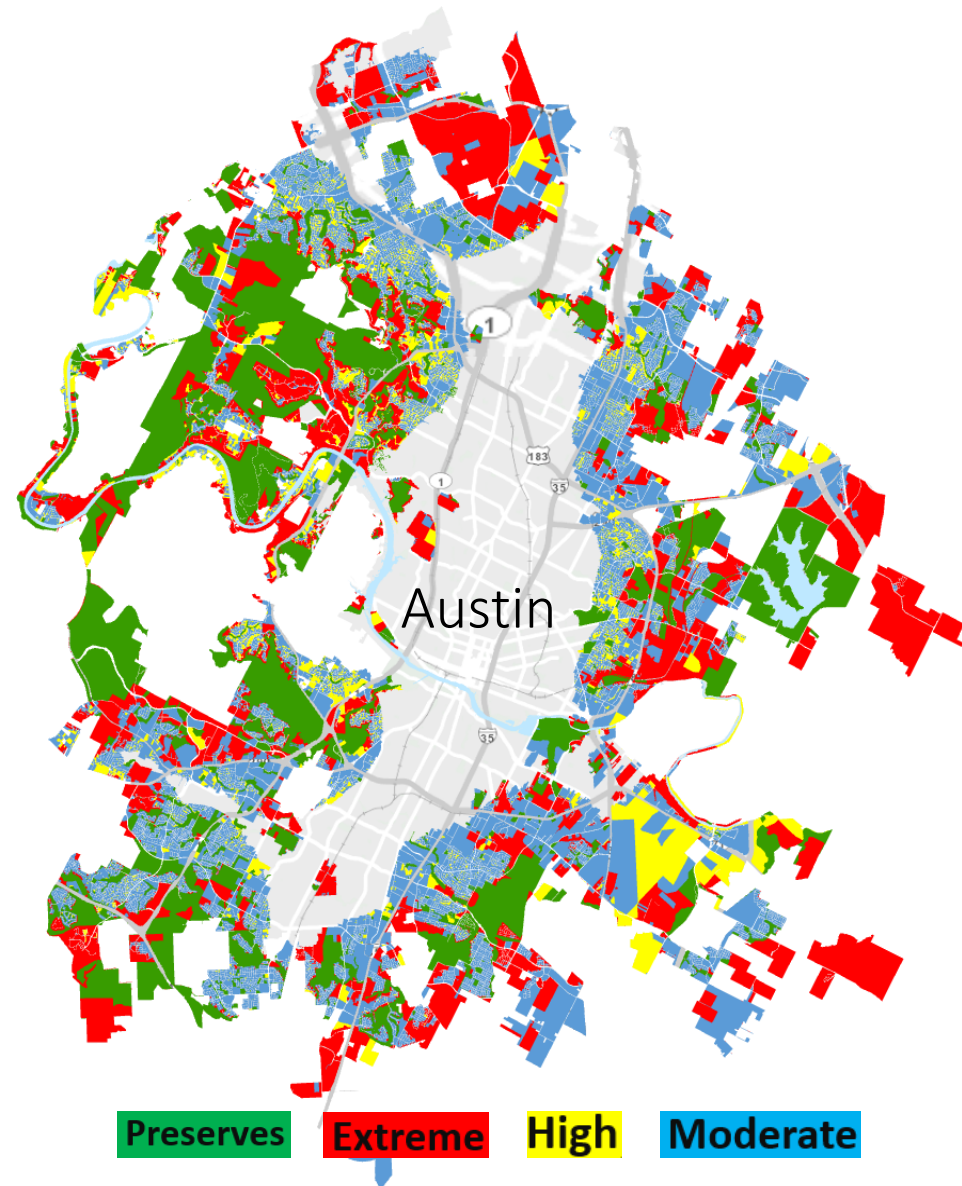
R-required

NP-not permitted

Hazard Severity

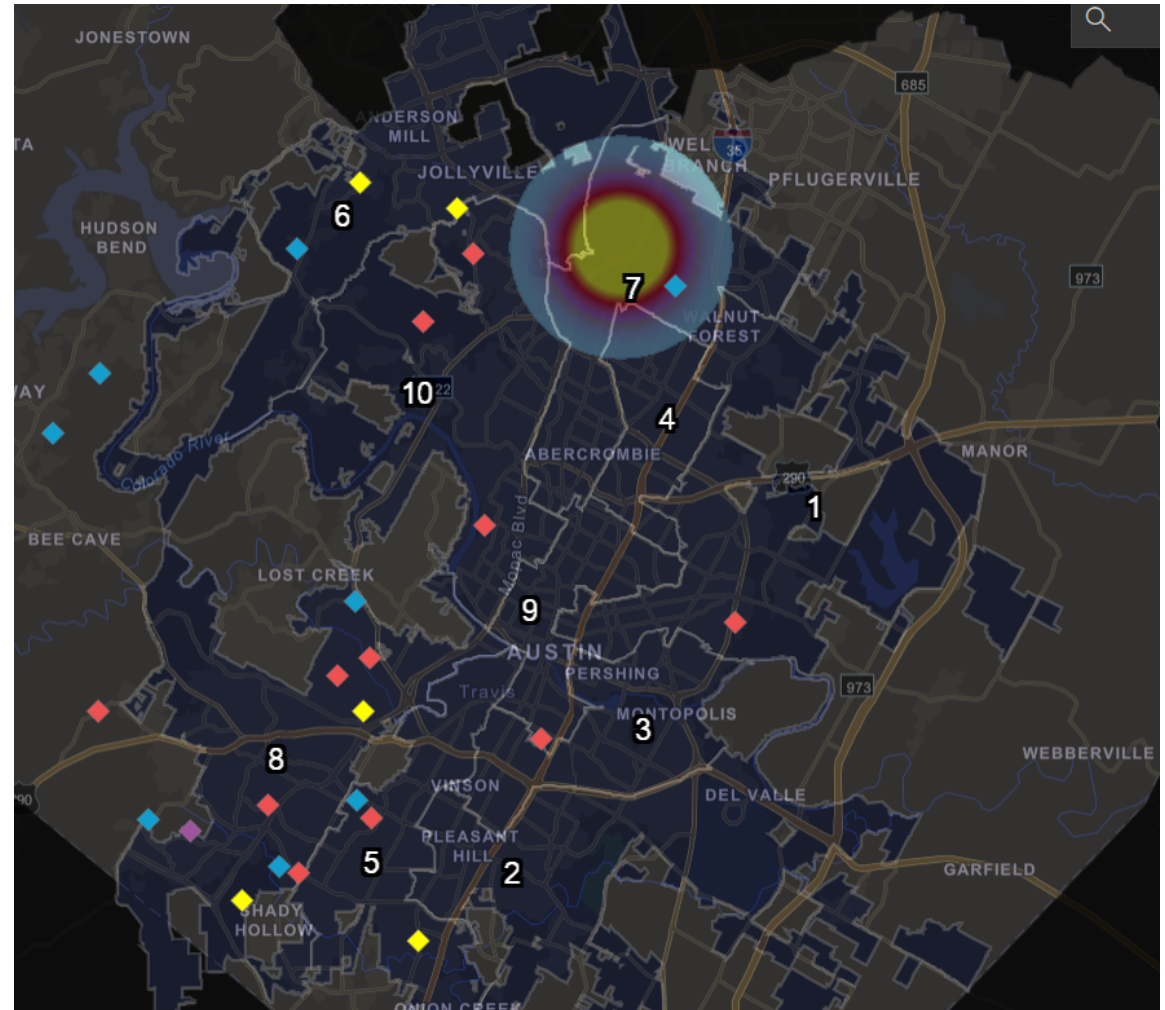
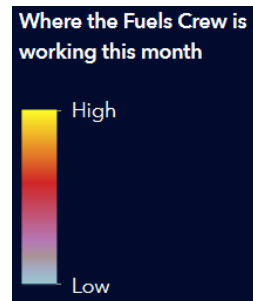
- Proximity to Wildland Fuels
- Fuel Model
- Slope

Fuel Model ^a	Proximity to Contiguous (40 Acres) Wildland Fuels					
	150' to 1.5 miles			< 150'		
	Slope (%)					
	< 10	10 to 25	> 25	< 10	10 to 25	> 25
Light	M	M	M	M	M	H
Medium	M	M	H	E	E	E
Heavy	H	H	H	E	E	E



AFD Wildfire Projects

Fuel Reduction by Mechanical Treatment



Defensible Space

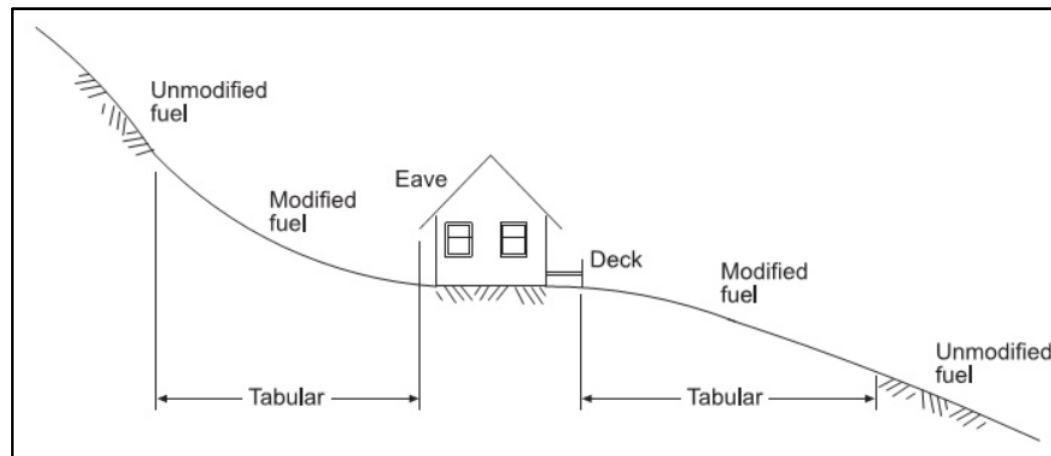
Option to Ignition Resistant Construction

Distinct Hazard

Extreme Hazard Severity

Non-conforming access (Fire Code)

Non-conforming water supply (Fire Code)



Modified Fuel Distances

Moderate	30 feet
High	60 feet
Extreme	100 feet

WUI Code Adoption

Building and Fire Code Board of Appeals – September 2019

City Council - October 2019

Implementation – May 2020

Wildland-Urban Interface Code

Zoning and Platting Commission

August 6, 2019

