

Wildland-Urban Interface Code

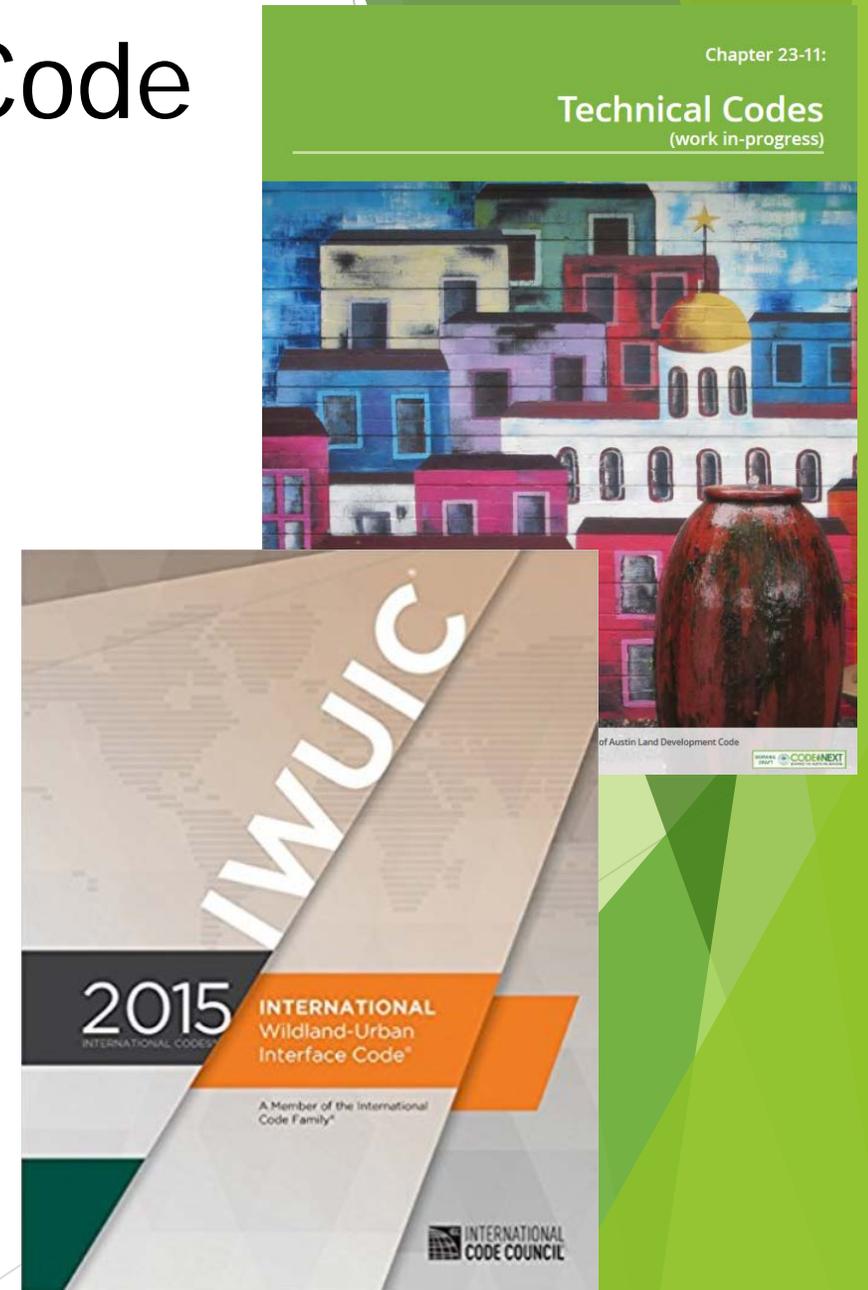
Public Safety Commission
November 6, 2017



Wildland-Urban Interface (WUI) Code

Tentative Schedule to Adoption

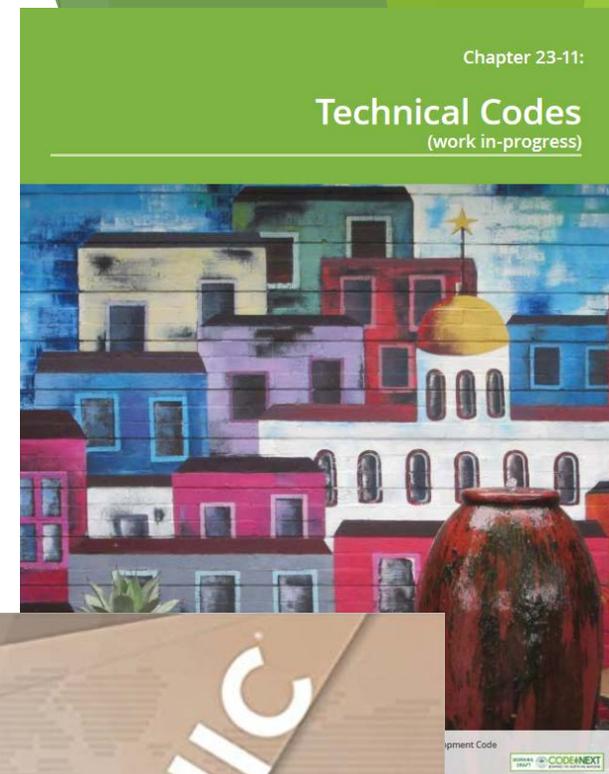
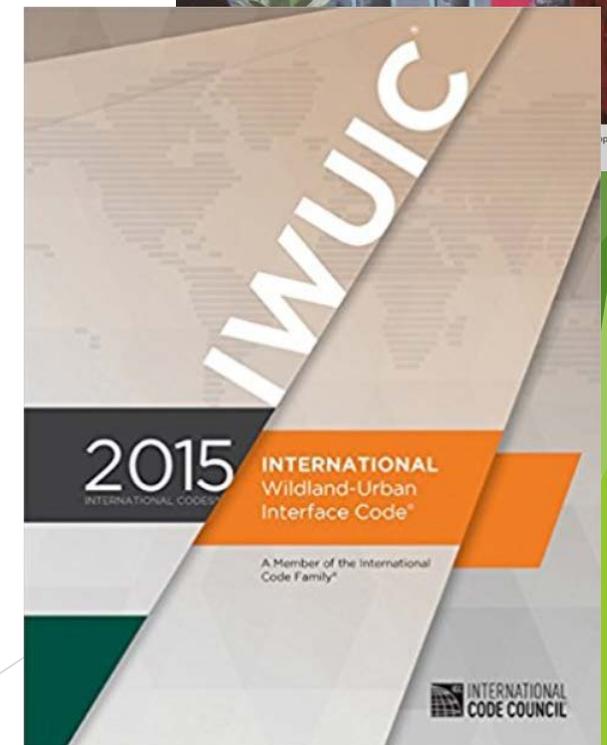
- Staff Review next 3 to 4 weeks
- Stakeholder Engagement next 2 to 3 months
- January - Building and Fire Code Board of Appeals
- Possible Adoption Spring 2018
- Implementation Fiscal year 2018/2019



Wildland-Urban Interface (WUI) Code

WUI Areas Map

- 3 year review or as needed
- WUI Areas - includes structure density for possible structure to structure spread
- Future WUI



Wildland-Urban Interface (WUI) Code



-  Undeveloped Lands (Potential WUI)
-  Wildlands
-  Wildland Urban Interface

60% of the city of Austin is classified as wildland urban interface



Wildland-Urban Interface (WUI) Code

Partnering City Departments

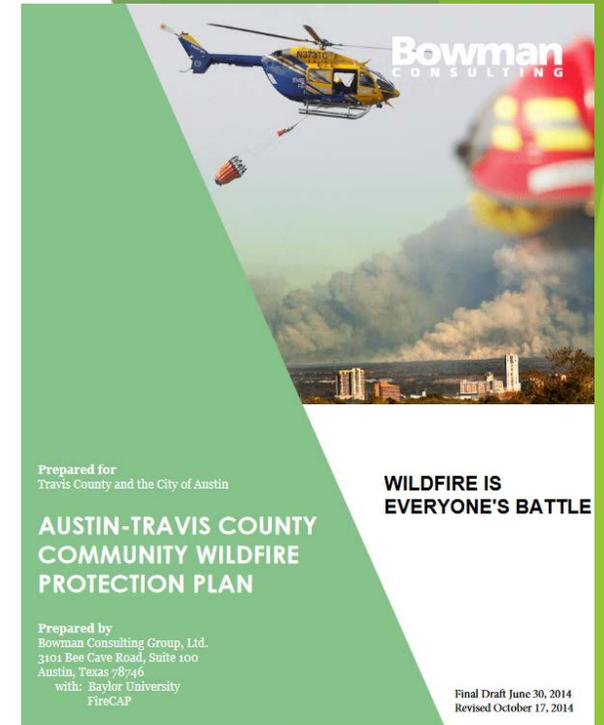
- Parks and Recreation - Memo of Agreement
- Development Services - Land Use Review, Permits
- Planning and Zoning - Imagine Austin, CodeNEXT
- Austin Water - Water Quality Protection Lands
- Austin Energy - Green Building Rating
- Public Works - Transportation
- Office of Sustainability - Climate Resilience Plan
- Watershed Protection - Environmental Policy, Green Infrastructure



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Supporting Plans and Recommendations

- Community Wildfire Protection Plan
- City Council Resolution
- Community Planning Assistance for Wildfire Recommendations



Community Planning Assistance for Wildfire Recommendations for Austin, Texas



October 2016

Prepared by:
Clarion Associates
Wildfire Planning International
Wildland Professional Solutions

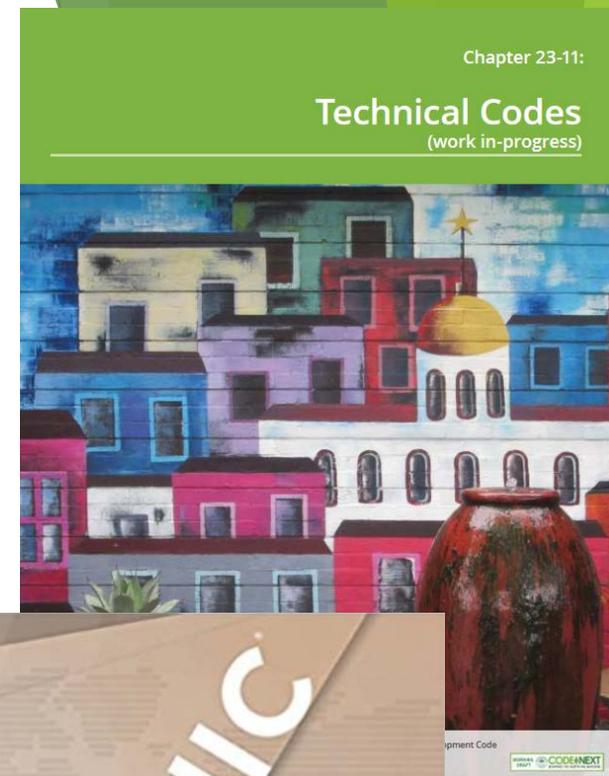
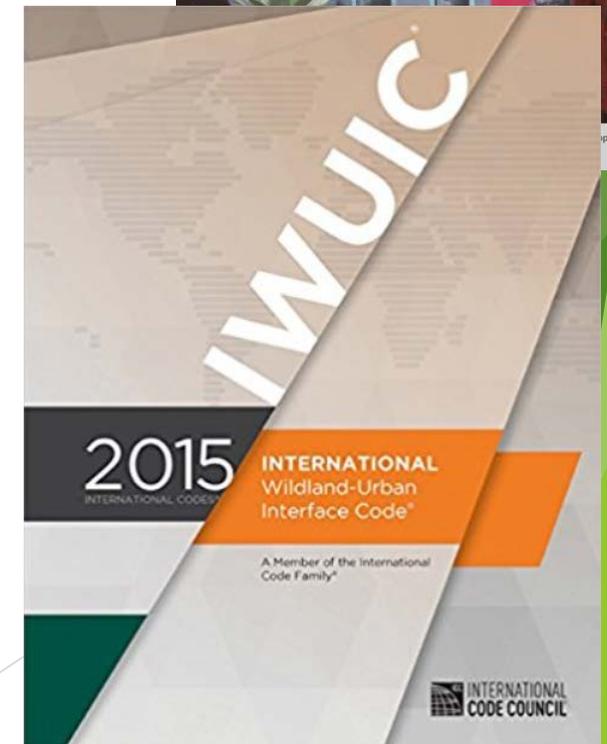
Mark Baker
Wildland-Urban Interface Coordinator



Wildland-Urban Interface (WUI) Code

Technical Code - not part of CodeNEXT

- Administration
- WUI definition
- Risk Map
- Area requirements
- Structure Hardening
- Defensible Space

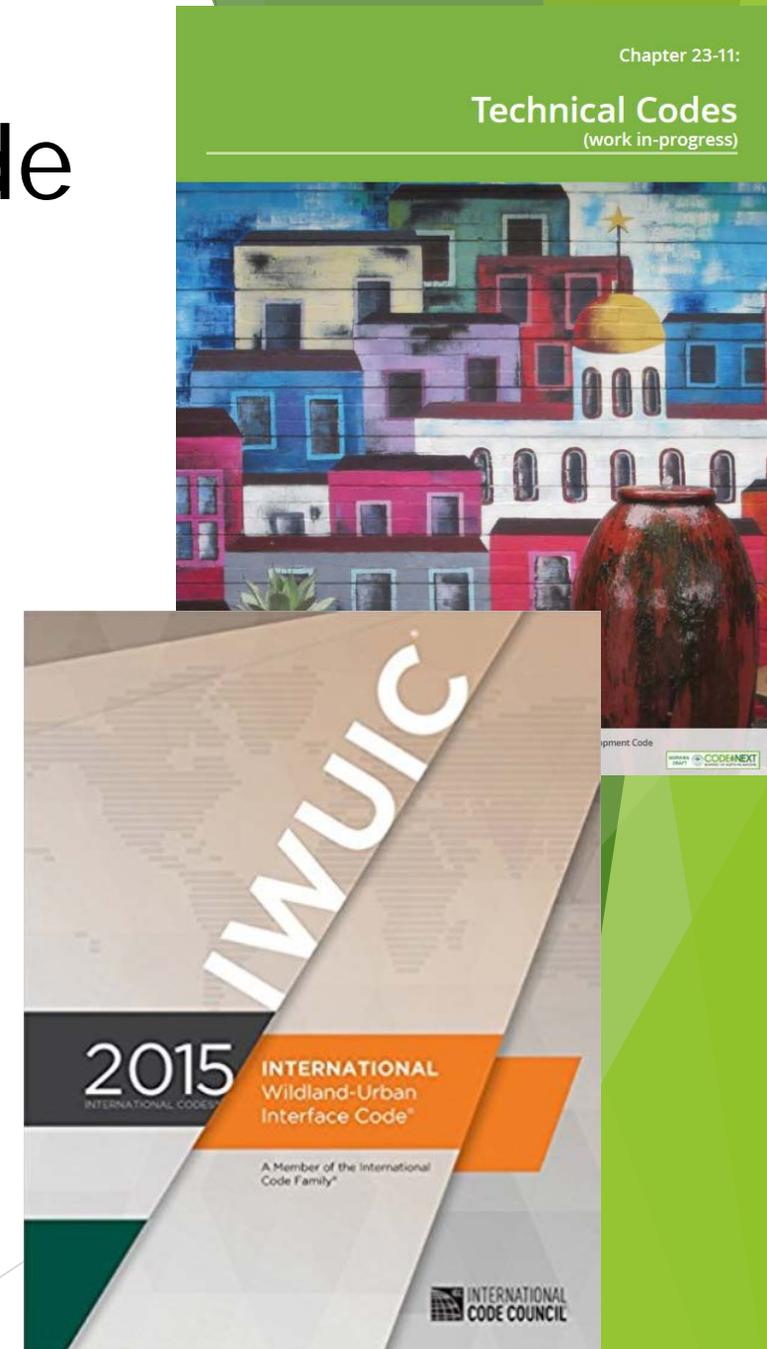


Wildland-Urban Interface (WUI) Code

WUI definition

IWUIC model code - that geographic area where structures and other human development meets or intermingles with wildland or vegetative fuels

Proposed - Any developed area where conditions affecting the combustibility of both wildland and built fuels allow for ignition and spread of fire through the combined fuel complex



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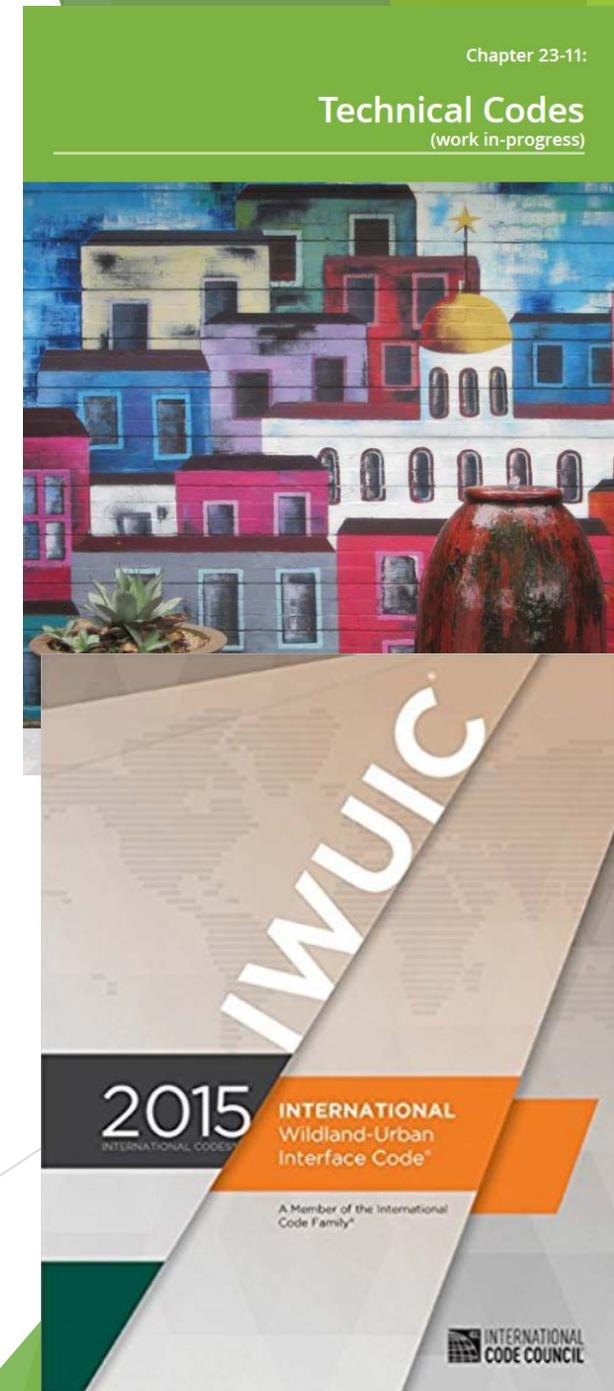
WUI Hazard Severity

Fuel Model (Based on wildland fuel estimated flame length)	Structure Density (distance from nearest structure)								
	> 30'			10' to 30'			< 10'		
	Slope (% average for site)								
	< 10			10 to 25			> 25		
Light	M	M	M	M	M	M	M	M	H
Medium	M	M	H	H	H	H	E	E	E
Heavy	H	H	H	H	E	E	E	E	E

Moderate

High

Extreme



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Ignition Resistant Construction

Defensible Space Conforming?	Fire Hazard Severity					
	Moderate		High		Extreme	
	Water Supply Conforming?					
	Yes	No	Yes	No	Yes	No
No	2	1	1	1 N.C.	1 N.C.	Not permitted
Yes	3	2	2	1	1	1 N.C.
Yes and 1.5 times larger	Not Required	3	3	2	2	1



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Structure Hardening - Ignition Resistant Construction

	Class 1	Class 2	Class 3
Roof covering	A	B	C
Roof valleys flashing and underlayment	x	x	x
Protection of eaves exposed undersides	Fire resistant	3/4" solid material	
Gutters and downspouts noncombustible and debris prevention	x	x	x
Exterior walls	Fire resistant	Fire resistant	
Underfloor enclosure	x	x	x
Appendages and projections	x	x	
Exterior glazing	x	x	
Exterior doors	x	x	
Vents	x	x	
Detached accessory structures	x	x	



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