

2018 International Building Safety Codes with Local Amendments

City Council Work Session

February 4, 2019

Avondale

Purpose

Discussion and Direction on Amending Chapter 4 of City Municipal Code: Buildings and Building Regulations: 2018 Editions

- International Building Code(IBC)
- International Residential Code(IRC)
- International Mechanical Code(IMC)
- International Plumbing Code(IPC)
- International Fuel Gas Code(IFGC)
- International Energy Conservation Code(IECC)
- International Existing Building Code(IEBC)
- 2017 Edition National Electrical Code(NEC)

Background

- Building Codes in place since 1979 and regularly have updated to current version since 1989
- Current Adopted Codes- 2012 Editions with Local Amendments
- Codes Developed by International Code Council since 1997
- Valley Building and Fire Officials Committee
- Stakeholders Review
- Legal Review
- City Department Review
- Maintain Consistency with Valley Jurisdictions

IBC Major Code Changes

Revised Sections	Description
403	High Rise Building Standby & Backup Power; Egress Elevators
423	Resiliency and Construction Requirements for Storm Shelters
428	Safety Requirements for Laboratories in Higher Education with Hazardous Materials
1004	Occupant Load Calculation for Mercantile and Office Uses
1010	Educational Door Locking Arrangements

IRC Major Code Changes

Revised Sections	Description
R324	Additional Requirements for Roof Mounted Photo Voltaic Systems
R327	Direction and Protections for the Installation of Storage Battery Systems
R507	Increased Structural Requirements for Deck and Balcony Construction
N1004	Increases Minimum Percentage of High Efficacy Lighting Outlets to Ninety
E3703	Requires Dedicated Electrical Circuits for Attached and Detached Garage Outlets

Next Steps

- ▶ Council Discussion
- ▶ Direction
- ▶ March 4, 2019 Ordinance Adopting 2018 Editions and Amendments for Council Action
- ▶ Effective Date July 1, 2019