

BACKGROUND

- ▶ The current building safety codes were adopted in February of 2013 and are becoming antiquated.
- The National Uniform Code adoption agencies create new codes in a 3 year cycle after public input and many hearings.
- The City has been using separate administrative sections for each code adopted. To streamline and increase efficiency, we need to adopt one section that deals with the administration of all building safety codes.
- ▶ All codes have been carefully reviewed by City and Fire District staff.
- Amendments have been carefully considered and written by City and Fire District staff.

INTENT

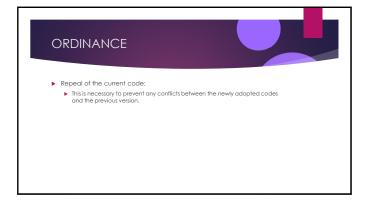
- ▶ This code adoption is both an update and new code introduction.
- The building division is prepared to educate and work with our customers for success in compliance with any code changes.
- ► For added safety we are introducing the International Swimming Pool and Spa code to the City's requirements. This will assure a safe installation of water recreation facilities.

PATHWAY TO IMPLEMENTATION

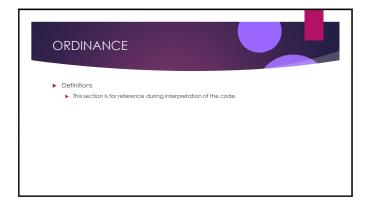
- After the ordinance has been adopted, we will allow for submittal under the current building safety codes until January 1, 2021.
- Any project under construction at this date will be allowed to continue under the code the project was permitted under.
- After adoption, production builders may choose to submit master plans for review and approval under the new code at any time. Some of these builders are already starting to draw new designs in anticipation of this adoption.

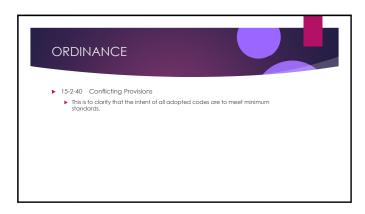
MAJOR CHANGE CONCERNS

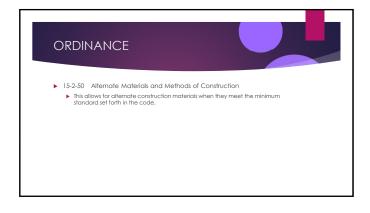
- ▶ The Ordinance has amended the International Residential Code concerning required fire sprinklers in one and two family dwellings. The adoption has amended this section using the term "may" instead of "shall" to allow the builder the option of either installing or not installing these partons.
- The International Energy Conservation Code has been amended to allow for visual inspection instead of mechanical system inspection for the final building energy loss.

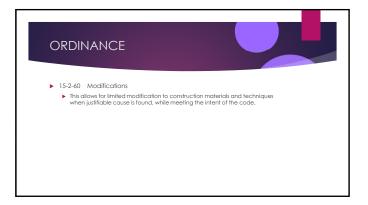


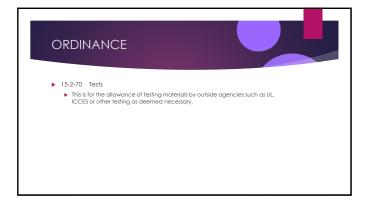




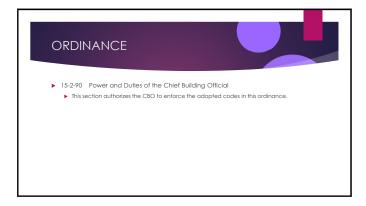


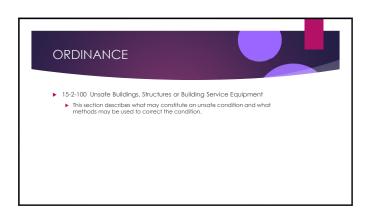


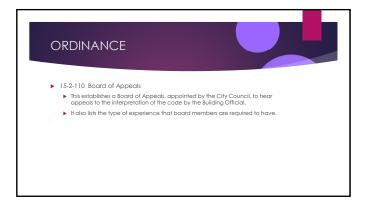




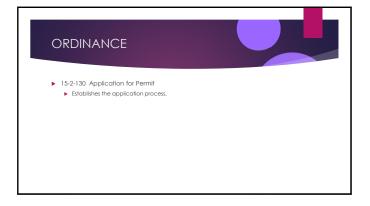




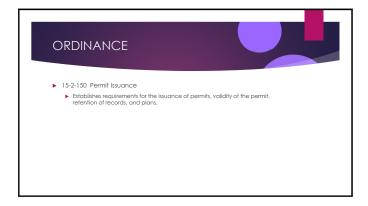


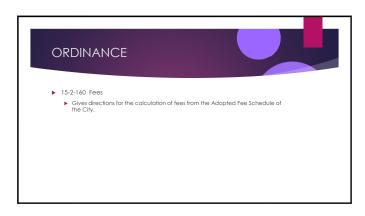












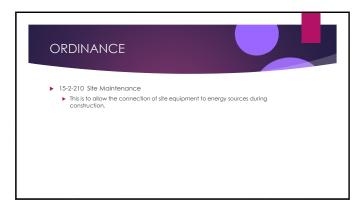
ORDINANCE

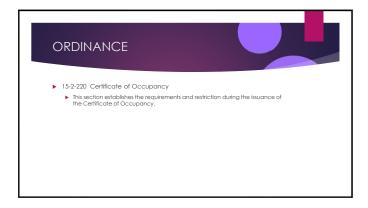
15-2-170 Inspections

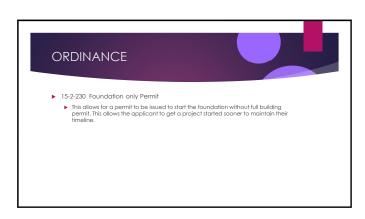
This establishes a method and requirements for the inspection process.

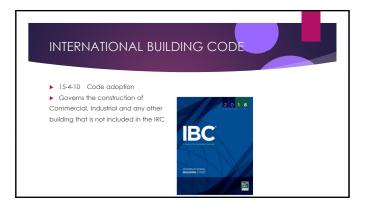
15-2-180 Required Building Service Equipment Inspections
 This establishes requirements for inspections of equipment such as Rooftop Air Conditioners, Bailers, Generations and other equipment that is installed for the operation of buildings and their uses.













INTERNATIONAL BUILDING CODE

SIGNIFICANT CHANGES:

- ▶ The occupant load factor for business uses has been revised to one occupant per 150 square feet from 100 square feet.
- Live loads on decks and balconies increase the deck live load to one and one-half times the live load of the area served.
- The minimum lateral load that fire walls are required to resist is five pounds per square foot.
- Wind speed maps updated. Ultimate design wind speeds now called basic design wind speeds.

INTERNATIONAL BUILDING CODE

- Five-foot tall wood trusses requiring permanent bracing must have a periodic special inspection to verify that the required bracing has been installed.
- ▶ New alternative fastener schedule for construction of mechanically laminated decking is added giving equivalent power-driven fasteners for the 20-penny nail.
- Solid sawn lumber header and girder spans for the exterior bearing walls reduce span lengths to allow #2 Southern Pine design values.

INTERNATIONAL BUILDING CODE

Amendments:

- ▶ 15-4-40 Establish reference to Building Official and Building Code to be one and the same with any reference to the authority having jurisdiction and the building code as adopted.
- Establishes rules governing refunds.

INTERNATIONAL BUILDING CODE

Amendments

- ▶ 15-4-50 Snow Loads
 - ▶ Establishes Snow Loads that are exclusive to our jurisdiction.

INTERNATIONAL BUILDING CODE

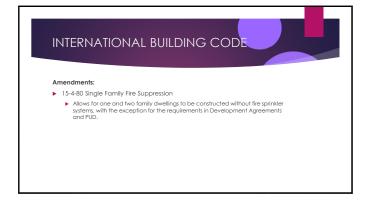
Amendments:

- ▶ 15-4-60 Wind Loads
 - ▶ Establishes Wind Loads that are exclusive to our jurisdiction.

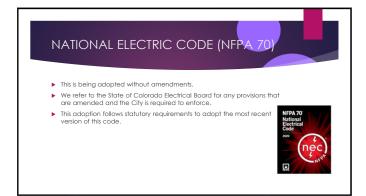
INTERNATIONAL BUILDING CODE

Amendments

- ▶ 15-4-70 Seismic Design Category
 - ► Establishes Earthquake Zone for our jurisdiction.













INTERNATIONAL FIRE CODE SIGNIFICANT CHANGES: New provisions address hozards related to outdoor pallet storage, higher education

- New provisions address hazards related to outdoor pallet storage, higher education laboratories, mobile food trucks and plant processing and extraction activities.
- Mass Notification Requirements for college and university buildings have been added to the code.
- Sprinkler protection is now required in existing Group A-2 occupancies having an occupant load of 300 or more where alcoholic beverages are consumed.
- ▶ A new chapter has been added to address issues related to Energy Systems
- Integrated testing requirements for fire protection and life safety systems have been added for high rise buildings and smoke control systems.
- The requirements for gas detection systems have been revised throughout the code to be more reflective of industry practice.

INTERNATIONAL FIRE CODE

SIGNIFICANT CHANGES:

- Required sprinkler protection of Group E occupancies has been expanded through the introduction of a new thresholds related to fire areas.
- Manual fire alarm systems in Group A occupancies are now required not only when the occupant load is 300 or more but also where the occupant load exceeds 100 above or below the lowest level of exit discharge.
- ▶ A manual fire alarm system and an automatic smoke detection system are no longer required in Group R-4 occupancies.
- New provisions require illumination for the exit discharge path of travel to the public way or to a safe dispersal area for all occupancies.

INTERNATIONAL FIRE CODE

SIGNIFICANT CHANGES:

- Provisions have been added to address the hazards associated with outdoor assembly events, indoor trade shows and exhibitions.
- The fire watch requirements for construction and demolition activities have been enhanced.
- The provisions for the maintenance of fire and smoke protection features in Chapter 7 have been enhanced and reorganized.
- The applicability of the decorative materials requirements in Chapter 8 have been clarified.

INTERNATIONAL RESIDENTIAL CODE

15-28-10 Adoption of the International Residential Code for One and Two

 This code is for construction of single family, two family (duplex) and townhouses (up to four units)



INTERNATIONAL RESIDENTIAL CODE

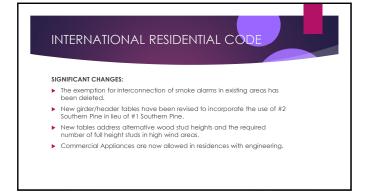
AMENDMENTS:

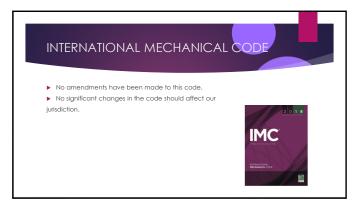
- ▶ Residential Fire Sprinklers are amended to be optional except where required by land use regulations.
- Air leakage, testing and visual inspection option are amended to allow for an additional pathway for energy code compliance. This eliminates the requirement for engineer testing at completion of construction.

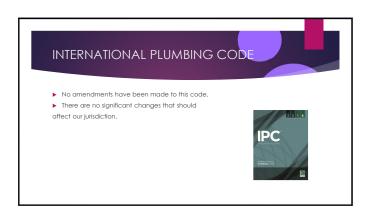
INTERNATIONAL RESIDENTIAL CODE

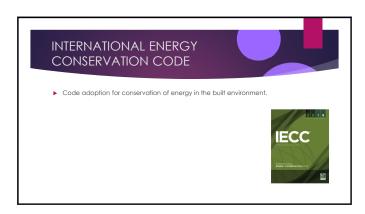
SIGNIFICANT CHANGES:

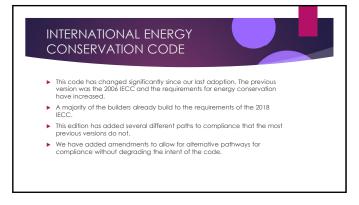
- An updated seismic map reflects the most conservative Seismic Design Category (SDC).
- The townhouse separation provisions now include options for using two separate fire-resistant-rated walls or a common wall.
- An emergency escape and rescue opening is no longer required in basement sleeping rooms where the dwelling has an automatic fire sprinkler system and the basement has a second means of egress or an emergency escape opening.

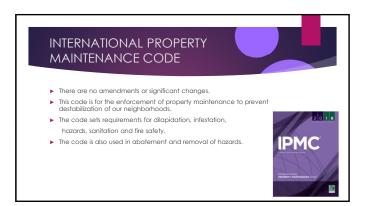








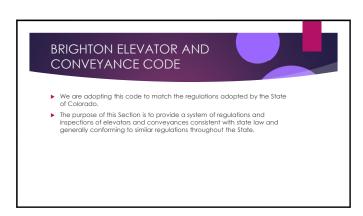


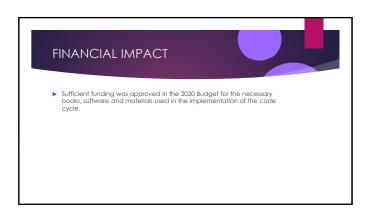














NOTICE REQUIREMENTS At the first reading held on September 1, 2020, a public hearing was ordered via the ordinance, which would be held prior to the second reading per State Statues. Per State Statues, the public hearing was properly published both at least 15 days and 8 days before the hearing.

ACTIONS FOR CITY COUNCIL Approve the ordinance as presented; Approve the ordinance with modifications; Continue the public hearing to a date certain; or Not approve the ordinance with specific findings to justify the denial.

