



# 2018 Building Codes

*Board of County Commissioners  
December 11, 2018*



# 2018 Building Codes

- **The codes published by the International Code Council, Inc. (I-Codes) are the predominant Life Safety Building codes used in the United States & world wide**
- **Updated on a 3-year cycle to address new materials, methods & user accidents**
- **Northern NV adopts I- Codes on a 6-year cycle**



# 2018 Building Codes

## Currently:

- Washoe County Building Program (CSD-Planning & Building Division)
- Adopts and enforces the 2012 series of International Building Codes  
&
- 2012 Northern Nevada adopted amendments in Chapter 100 of the Washoe County Code





# 2018 Building Codes

- **Building codes establish:**
  - **minimum standards for life safety and accessibility**
  - **regulate the design, construction and installation of new buildings and alterations to existing buildings**
- **Adopting updated building safety codes enables Washoe County to address all aspects of safe construction, structural integrity, plumbing, electrical and mechanical systems, accessibility and energy efficiency**
  - **Reduces Risk of Injury and Accidents: Insurance ratings of properties (ISO Audits)**



# 2018 Building Codes

- **2018 International Building Code (“IBC First Print”), ch. 1 - 35 & App. C, E, and I;**
- **2018 International Residential Code (“IRC First Print”), ch. 1 - 44 & App. A, B, C, G, H, J, K, & Q;**
- **2018 International Existing Building Code (“IEBC First Print”), ch. 1 - 16 & App.;**
- **2018 International Energy Conservation Code (“IECC First Print”);**
- **2018 Uniform Plumbing Code (“UPC First Print”), ch. 1 - 17 & App. A, B, D, E, I, and L;**
- **2018 Uniform Mechanical Code (“UMC First Print”), ch. 1 - 17;**
- **2018 International Mechanical Code (“IMC First Print”) ch. 1 - 15;**
- **2018 International Fuel Gas Code (“IFGC First Print”), ch. 1 - 8 & Appendix A;**
- **2018 International Wildland-Urban Interface Code (“IWUIC First Print”), ch. 5;**
- **2018 International Swimming Pool and Spa Code (“ISPSC First Print”), ch. 1 - 11;**
- **2018 National Fire Protection Association (“NFPA”) 54 & 2017 NFPA 58 Code;**
- **2017 National Electrical Code (“NEC First Print”);**
- **2018 Northern Nevada Amendments by the Northern Nevada Chapter of the International Code Council; and**
- **Other matters relating to the provisions of Chapter 100, effective July 1, 2019.**



# NN Amendment Process

## 2018 NN Amendments to International Codes

Codes are adjusted regionally:

- NN climatic + geographical characteristics
- Consistent approach

### August of 2017:

- **9 NN Gov. Agencies**

Cities: Reno, Sparks\*, Carson & Fernley

Counties: Washoe, Douglas, Storey, Pershing, Lyon

- **31 industry partners**
- **60 attendees: 6 Technical Sub & 1 Steering Committee** \* already adopted





# 2018 Building Codes- Highlights

- **Increases to Energy Conservation Code standards for energy efficiency and reduced operating costs**
- **Arch fault or ground fault protection at plugs throughout the house**
- **New code provisions for podium-style construction used for apartments**





# 2018 Building Codes- Highlights

- **15% reduction to basic wind speed design calculations**
- **Baby changing tables required in new public buildings and tenant improvements: male + female**
- **Seismic (earthquake), frost protection, and snow load requirements based on conditions** (NN Amendments)
- **Fire sprinklers not required in residences of less than 5,000 sq. ft., unless restricted** (NN Fire Amendments)





**Thank you**

**Questions?**