



2023 Construction Code Updates

COMMITTEE OF THE WHOLE – FEBRUARY 28TH, 2023

State Adopted Plumbing and Mechanical Codes

- ▶ The State of Iowa has adopted the 2021 Uniform Plumbing Code as the State Plumbing Code for Iowa.
- ▶ The State of Iowa has also adopted the 2021 International Mechanical Code as the State Mechanical Code for Iowa.
- ▶ Staff is proposing to adopt the State Plumbing and Mechanical Codes for Scott County.
 - ▶ If the State decides to adopt the 2023 or 2024 editions (or subsequent editions) we will not need to bring this to the Board again.

State Mandated Electrical Code

- ▶ The State of Iowa has mandated that every local gov't adopt and enforce the 2020 National Electrical Code.
- ▶ Iowa has adopted the 2020 NEC as the "State Electrical Code"
- ▶ Staff is proposing to adopt the "Electrical Code as adopted by the State of Iowa"
 - ▶ If the State decides to adopt the 2023 NEC (or subsequent editions) we will not need to bring this to the Board again.

What's new in the 2021 Uniform Plumbing Code?

- ▶ New provisions for backflow prevention devices, assemblies and methods
- ▶ New provision for temperature limiting devices
- ▶ New guards and rails requirements for installation of equipment and appliances on roofs
- ▶ New requirements for the discharge of temperature and pressure relief valve piping
- ▶ New provision on leak detection devices
- ▶ New provisions for potable water pumps
- ▶ New standards for drain, waste and vent pipe and fittings
- ▶ New provisions for drain waste and vent cleanouts
- ▶ Circuit vent provisions have been updated and expanded
- ▶ Updated fuel gas provisions

What's new in the 2021 International Mechanical Code?

- ▶ Clothes dryer exhaust terminals required to be at least 3 feet from any opening into a building.
- ▶ Polyurethane spray-applied foam on the exterior of ducts in attics and crawl spaces required to meet specific smoke and flame index limits.
- ▶ Fire and smoke dampers must be provided with approved access for inspection and maintenance.
- ▶ Refrigerant tables updated to include new refrigerants.
- ▶ Addition of condensate termination identification markings and discharge restrictions.
- ▶ Approved factory-built combination intake/exhaust terminations permitted, relaxing separation requirement.
- ▶ 30% reduction in minimum mechanical ventilation for whole-house balanced ventilation systems.
- ▶ Continuous operation requirement for manicure and pedicure station exhaust systems.
- ▶ Grease duct horizontal cleanout required within 3 feet of a horizontal discharge fan.

What's new in the 2020 National Electrical Code?

- ▶ GFCI (DWELLINGS) GFCI protection is required for all 125–250V receptacles within 6 feet of sinks.
- ▶ Notable spaces include: Laundry areas, Kitchens ; Unfinished basements , Finished basements , Outdoor outlets 150V to ground or less and up to 50amps
 - ▶ This applies to: Ranges within 6 feet of sinks, Electric dryers, Dishwashers , Sump pumps , Pool motors, Equipment that requires service, including HVAC and refrigeration units
- ▶ GFCI protection is also required in non-dwellings.
- ▶ Notable spaces include: Indoor damp and wet locations; Permanent fixtures for cooking, Permanent provisions for food preparation, Accessory buildings
 - ▶ This applies to: Dishwashers, Drinking fountains, Sump pumps, Pool motors, Equipment that requires service, including HVAC and refrigeration units

What's new in the 2020 National Electrical Code?

- ▶ Emergency Disconnects: Required for all single- and two-family dwellings
 - ▶ Must function from outside dwellings and be readily accessible
 - ▶ Applies to generators and energy storage systems (ESS)
- ▶ Surge Protection
 - ▶ New article (242) includes service lines to dwelling units
 - ▶ Must be part of service equipment or adjacent
 - ▶ May be located at each level of downstream distribution
 - ▶ Now applies to:
 - ▶ Line side and load side services
 - ▶ Replacements and service upgrades

Expiration Language:

- ▶ (c) Section (A) 106.4.3 Expiration Change to read: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after the issuance date, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. All work shall be completed within one (1) year of the issuance date. The building official is authorized to issue extensions for 180 days for one half the original fee or a set fee determined by the Building Official on the work left to be completed.