

2024 ICC Building Code Adoption Staff Recommendations

International Property Maintenance Code (IPMC)

Background:

Significant changes to the International Property Maintenance Code (IPMC) have been identified and discussed amongst members of the respective code adoption committee. Changes which would significantly impact residents, contractors, designers, developers, and the public either financially or affect standards of safety have been noted. These significant changes can be found on the Master List attached. The following has been identified for possible amendments to this adopted code.

Staff recommends deleting Exception #2 to Section 303.2 Enclosures of the 2024 IPMC.

This exception is a mirror image of section 305.1 of the International Swimming Pool and Spa Code which does not require a typical pool barrier such as a fence when the inground pool is equipped with a powered safety cover.

The City of Naperville currently has amended this section of the ISPSC to read: “305.1 (Barrier Requirements) General Change to read: The provisions of this section shall apply to the design of barriers for all aquatic vessels. These design controls are intended to provide protection against the potential drowning and near drowning by restricting access to such vessels. These requirements provide an integrated level of protection against potential drowning through the use of physical barriers and warning devices.

Barrier exceptions.

Spas or hot tubs with a lockable safety cover which complies with ASTM F 1346.”

(Ord. No. 12-159, § 1(Exh. A), 12-18-2012)

In summary, this amendment provides a single exception for spas and hot tubs with lockable safety covers that comply with ASTM F 1346 and removes the exception for inground swimming pools.

The same effect would be accomplished by deleting Exception #2 to section 303.2 of the 2024 IPMC as stated previously.

Staff Recommendation:

Adopt 2024 International Property Maintenance Code with existing amendments and proposed amendments.

National Electrical Code

Background:

Significant changes to the National Electrical Code (NEC) have been identified and discussed amongst members of the respective code adoption committee. Changes which would significantly impact residents, contractors, designers, developers, and the public either financially or affect standards of safety have been noted. These significant changes can be found on the Master List attached. No changes have been identified for additional amendments to this adopted code. Several current amendments to the NEC include limiting Arc-Fault Circuit Interrupter usage, prohibiting non-metallic wiring methods and eliminating the requirement for tamper-resistant receptacles in dwelling units.

Staff Recommendation:

Adopt 2023 National Electrical Code with existing amendments.

International Residential Code

Background:

Significant changes to the International Residential Code (IRC) have been identified and discussed amongst members of the respective code adoption committee. Changes which would significantly impact residents, contractors, designers, developers, and the public either financially or affect standards of safety have been noted. These significant changes can be found on the Master List attached. No changes have been identified for additional amendments to this adopted code. Discussions have taken place with the Accessible Community Task Force (ACTF) regarding increased Visitability requirements for new homes such as step-free entrances, accessible 1st floor powder rooms, and hallways to be a minimum of 42" in width although consensus was not reached amongst the committee members on the appropriateness of such requirements.

Staff Recommendation:

Adopt 2024 International Residential Code with existing amendments.

International Building Code

Background:

Significant changes to the International Building Code (IBC) have been identified and discussed amongst members of the respective code adoption committee. Changes which would significantly impact residents, contractors, designers, developers, and the public either financially or affect standards of safety have been noted. These significant changes can be found on the Master List attached. The following has been identified for possible amendments to this adopted code.

Staff recommends deleting Exceptions #1 and #2 from Section 1009.2.1 Elevators Required.

In buildings where a required accessible floor is four or more stories above or below a level of exit discharge, not less than one required accessible means of egress shall be an elevator. Exceptions #1 and #2 remove this requirement if the building is equipped with an automatic fire sprinkler system. The elevator would require standby power and be accessed from an area of refuge to be considered accessible.

See the attached document for specific language.

Staff recommendation:

Adopt 2024 International Building Code with existing amendments and proposed amendments.

International Plumbing Code

Background:

Significant changes to the International Plumbing Code (IPC) have been identified and discussed amongst members of the respective code adoption committee. Changes which would significantly impact residents, contractors, designers, developers, and the public either financially or affect standards of safety have been noted. These significant changes can be found on the Master List attached. The following has been identified for possible amendments to this adopted code.

The City of Naperville defers to the International Plumbing Code when the 2014 Illinois Plumbing Code does not address the topic. Several amendments relating to the relining of building sewers and drains have been added. See the attached document for specific language.

Staff recommendation:

Adopt 2024 International Plumbing Code with existing amendments and proposed amendments.

International Fire Code

Background:

Significant changes to the International Fire Code (IFC) have been identified and discussed amongst members of the respective code adoption committee. Changes which would significantly impact residents, contractors, designers, developers, and the public either financially or affect standards of safety have been noted. These significant changes can be found on the Master List attached. The following has been identified for possible amendments to this adopted code.

~~Section 903.2.10 Group S-2 enclosed parking garages: Change #1 and 2 to read as follows:~~

- ~~1. Where the fire area of the enclosed parking garage exceeds 5,000 square feet.~~
- ~~2. Delete the exception.~~

Section 903.2.10 delete in its entirety. Replace with the following:

All parking garages per NFPA 88A shall be sprinklered.

Staff recommendation:

Adopt 2024 International Fire Code with existing amendments and proposed amendments.

Illinois State Plumbing Code

Background:

The City of Naperville is obligated to enforce the Illinois State Plumbing Code (77 Ill. Adm. Code 890), current edition, issued by the Illinois Department of Public Health, except as to those revisions and changes which are more stringent. The following existing amendments to the 2014 Illinois Plumbing Code are:

Section 890.320 Types of Joints

I) This subsection is hereby amended as follows:

2. This subsection is deleted and replaced by the following text: Plastic pipe, joints and fittings made from polyethylene (PE), polyvinyl chloride (PVC), Chlorinated Polyvinyl Chloride (CPVC), or polybutylene (PB) made by either solvent-welded or fusion-welded connections, compression, or insert fittings, metal clamps and screws, or threaded joints shall be prohibited for water service or the domestic water distribution system of any building except for the distribution and conveyance of distilled or deionized water.

Section 890.610 General Requirements - Material and Design

This subsection is hereby amended as follows:

1. Pursuant to 17 Ill. Adm. Code 3730.307 (c) 4) and subject to the Illinois Plumbing Code (77 Ill. Adm. Code 890) and the Lawn Irrigation Contractor and Lawn Sprinkler System Registration Code (77 Ill. Adm. Code 892), be it hereby ordained that in the City of Naperville, all new plumbing fixtures and irrigation controllers installed after the effective date of this ordinance shall bear the WaterSense label (as designated by the U.S. Environmental Protection Agency WaterSense Program), when such labeled fixtures are available.

Staff recommendation:

Adopt 2014 Illinois Plumbing Code with existing amendments.