

2018 BUILDING CODE UPDATE COMMENT FORM

City of Naperville Municipal Building Code Change Proposal to the 2018 edition to the International Building Code (IBC), International Residential Code (IRC), International Fuel Gas Code IFGC, International Mechanical Code (IMC), International Fire Code (IFC), International Energy Conservation Code (IECC), International Existing Building Code IEBC, International Plumbing Code (IPC), International Code Council Electrical Administrative Provisions, International Property Maintenance Code, International Swimming Pool and Spa Code, and 2017 National Electrical Code.

The proposed code change is to: Clarify when and where the use of battery smoke alarms are permitted.

***Code Change Proposal:**

_IRC Section R314.6 and Exception #2

R314.6. Power Source

Smoke alarms shall receive their primary power from the building wiring ~~where such wiring is served from a commercial source~~ and, where primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection.

Exceptions:

1. Smoke alarms shall be permitted to be battery operated when installed in buildings without commercial power.
2. Smoke alarms installed **in area unaffected by an alteration(s), repairs or addition(s)** in accordance with Section R314.2.2 shall be permitted to be battery powered.

Code Section Reference if applicable (i.e. IRC 212.1.2 or Title 5-1B-4.1.1.2):

IRC Section R314.2.2 Exception #2

***Reason for the proposed code change:**

The revision is needed to keep this code in compliance with the State's requirement for residential smoke detectors. If a second story addition was added, the new second story would be allowed to have only battery-operated smoke detectors. Another example would be if a home was completely gutted, battery-operated smoke detectors could be installed. The intent of this section is to clarify that battery powered smoke detectors can be installed in areas not being altered.

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