

ORDINANC NO. \_\_\_\_\_  
Date Passed: October 24, 2016

**AN ORDINANCE ADOPTING THE 2014 EDITION  
OF THE NATIONAL ELECTRICAL CODE**

**WHEREAS**, the City of Rochelle is a body politic and corporate, organized and existing pursuant to the Illinois Municipal Code, 65 ILCS 5/1-1-1, *et seq.*; and

**WHEREAS**, Section 22-44 of the Rochelle Municipal Code adopts the *National Electrical Code*, 2002 edition, and any supplements and appendices thereto, by reference as the Electrical Code for the city; and

**WHEREAS**, the City Council finds that it is in the best interests of the City to adopt an updated version in the form of the *National Electrical Code*, 2014 edition, with certain amendments thereto;

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROCHELLE, OGLE COUNTY, ILLINOIS**, as follows:

1. Section 22-44 of the Rochelle Municipal Code is hereby removed in its entirety and replaced with the following:

Sec. 22-44 - Adopted by Reference.

The *National Electrical Code*, 2014 edition, together with any supplements and appendices thereto, published by the National Fire Protection Association, is adopted in its entirety by reference as the electrical code for the City as though fully set forth herein. A copy of said Code shall remain on file at the Office of the City Clerk and the Building Division of the Public Works Department for public review and inspection.

2. Section 22-45 of the Rochelle Municipal Code is hereby removed in its entirety and replaced with the following:

Sec. 22-45 - Amendments.

The following Sections of the *National Electrical Code*, 2014 edition, as adopted in Section 22-44 of this Code, are revised as follows:

- (1) *Article 210.19(A)(5)*. Article 210.19(A)(5) shall be added to read as follows:

**“Article 210.19 Conductors – Minimum Ampacity and Size. (A) Branch Circuits Not More than 600 Volts. (5). Microwave Circuits.** The wiring used to supply power to a permanently installed microwave oven shall consist of a dedicated circuit installed with 12 AWG or larger conductors.”

- (2) *Article 210.70(A)(1).* Article 210.70(A)(1) is amended to read as follows:

**“Article 210.70 Lighting Outlets Required. (A) Dwelling Units. (1) Habitable Rooms.** At least one wall switch-controlled lighting outlet shall be installed in every habitable room and bathroom. The switch shall be installed at a point of entry to the room. The main lighting outlet in each room may not be fed from the load side of a GFCI device. Unless 210.70(A)(1) Exception No. 1 is applied, provision shall be made in the wiring of each ceiling box of all habitable rooms (excluding dining rooms) for a luminaire to operate independently from a fan.”

- (3) *Article 210.70(A)(3).* Article 210.70(A)(3) shall be deleted in its entirety and replaced with the following:

**“Article 210.70 Lighting Outlets Required. (A) Dwelling Units. (3) Storage or Equipment Spaces.** For accessible attics, underfloor spaces, utility rooms, each area of an unfinished basement, and equipment spaces, at least one lighting outlet containing a switch or controlled by a wall switch shall be installed in such spaces. At least one point of control shall be at the usual point of entry to these spaces. A lighting outlet shall be provided within six feet of any equipment requiring servicing.”

- (4) *Article 210.70(C).* Article 210.70(C) shall be amended to read as follows:

**“Article 210.70 Lighting Outlets Required. (C) Other than Dwelling Units.** For accessible attics and underfloor spaces, at least one lighting outlet containing a switch or controlled by a wall switch shall be installed in such spaces. At least one point of control shall be at the usual point of entry to these spaces. A lighting outlet shall be provided within six feet of any equipment requiring servicing.”

- (5) *Article 230.11.* Article 230.11 shall be added to read as follows:

**“Article 230.11 Service Modifications.** When any part of the service entrance equipment, branch circuit panel, or service conductor is replaced, modified, or required to be repaired, the service in its entirety must be installed to comply with the current codes. The main branch circuit panel shall be at least 16 spaces.

*Exception: Replacement or addition of a branch-circuit overcurrent protective device.”*

- (6) *Article 230.43.* Article 230.43 shall be deleted in its entirety and replaced with the following:

**“Article 230.43 Wiring Methods for 1000 Volts, Nominal, or Less.** Service-entrance conductors and service laterals overhead shall be installed in accordance with the applicable requirements of this Code covering the type of wiring method used and shall be limited to rigid metal conduit (RMC) or intermediate metal conduit (IMC). Electrical metallic tubing (EMT) may be used inside a building or structure.”

- (7) *Article 230.70(A)(1).* Article 230.70(A)(1) shall be deleted in its entirety and replaced with the following:

**“Article 230.70 General. (A) Location. (1) Readily Accessible Location.** The service disconnecting means shall be installed at a readily accessible location, either outside of a building or structure, or inside at or within 5 feet of the meter enclosure.”

- (8) *Article 250.52.* Article 250.52 shall be amended to read as follows:

**“Article 250.52 Grounding Electrode.** A concrete-encased electrode that complies with 250.52(A)(3) will be required in all new construction. [Remainder of the Article is unchanged.]”

- (9) *Article 300.1(D).* Article 300.1(D) shall be added to read as follows:

**“Article 300.1 Scope. (D) Mixed Use and Occupancy Buildings.** The entire mixed use and occupancy building shall be wired by the most restrictive code.”

- (10) *Article 300.5(D)(3).* Article 300.5(D)(3) shall be amended to read as follows:

**“Article 300.5 Underground Installations. (D) Protection from Damage. (5) Service Conductors.** Underground service conductors shall be installed in galvanized or stainless steel rigid metal conduit (RMC) or intermediate metal conduit (IMC). Underground service conductors that are not subject to physical damage may be installed in Schedule 80 rigid electrical nonmetallic conduit (PVC), protected by galvanized or stainless steel rigid conduit (RMC) or intermediate metal conduit (IMC) to a minimum of 450

mm (18 inches) below grade. No exposed nonmetallic conduit shall be allowed. Underground service conductors that are not encased in concrete and that are buried 450 mm (18 inches) or more below grade shall have their location identified by a warning ribbon that is placed in the trench at least 300 mm (12 inches) above the underground installation.”

(11) *Article 300.11(A)(3)*. Article 300.11(A)(3) shall be added to read as follows:

**“ Article 300.11 Securing and Supporting. (A) Secured in Place. (3) Tie Wire.** Tie wire shall not be allowed as a sole means of supporting or securing conduit or cable in above-ground applications.”

(12) *Article 300.13(C)* shall be added to read as follows:

**“ Article 300.13 Mechanical and Electrical Continuity – Conductors. (C) Multiple Conductors.** A device designed to be used for switching or as a receptacle may not be used to provide electrical continuity to any circuit conductor.”

(13) *Article 300.13(D)*. Article 300.13(D) shall be added to read as follows:

**“ Article 300.13 Mechanical and Electrical Continuity – Conductors. (D) Push-Type Clamping Devices.** No push-type or clamp-type connections for splices or for termination to devices will be allowed unless the wire connection is secured with a screw or crimping tool.

*Exception 1: Disconnecting means for ballasts.*

*Exception 2: Factory installed terminations in luminaries.*

(14) *Article 310.106(B)*. Article 310.106(B) shall be deleted in its entirety and replaced with the following:

**“ Article 310.106 Conductors. (B) Conductor Material.** Conductors in this article shall be aluminum, copper-clad aluminum, or copper unless otherwise specified. Aluminum and copper-clad aluminum conductors shall be prohibited to be installed in sizes smaller than 4 AWG. Stranded aluminum conductors 4 AWG through 1000 kcmil marked as Type RHH, RHW, XHHW, THW, THHW, THWN, THHN, service-entrance Type SE Style U and SE Style R shall be made of an AA-8000 series electrical grade aluminum alloy conductor material.”

- (15) *Article 314.27(A)(2)*. Article 314.27(A)(2) shall be amended to read as follows:

**“ Article 314.27 Outlet Boxes. (A) Boxes at Luminaries or Lampholder Outlets. (2) Ceiling Outlets.** At every outlet used exclusively for lighting, the box shall be designed or installed so that a luminaire or lampholder may be attached. Boxes shall be required to support a luminaire weighing a minimum of 23 kg (50lb). A luminaire that weighs more than 23 kg (50lb) shall be supported independently of the outlet box, unless the outlet box is listed and marked on the interior of the box to indicate the maximum weight the box shall be permitted to support. In all habitable rooms with a ceiling fixture (other than recessed fixtures) in a location acceptable for a ceiling-suspended (paddle) fan in single-family, two-family or multi-family dwellings, a box rated for ceiling fan support shall be installed.”

- (16) *Article 334.10*. Article 334.10, including subparts (1) through (5), shall be deleted in its entirety and replaced with the following:

**“ Article 334.10 Uses Permitted.** Type NM, Type NMC, and Type NMS cables shall be permitted to be used only in the following: R-2, R-3, and R-4 structures (as defined by the International Building Code) not exceeding three floors above grade.”

- (17) *Article 334.15(D)*. Article 334.15(D) shall be added to read as follows:

**“ Article 334.15 Exposed Work. (D) Unfinished Areas.** Any exposed cable 7 feet (213.36cm) or closer to the floor must be protected with a durable building material or sleeved in an approved manner.”

- (18) *Article 334.40(B)*. Article 334.40(B) shall be amended to read as follows:

**“ Article 334.40 Boxes and Fittings. (B) Devices of Insulating Material.** Self-contained switches, self-contained receptacles, and nonmetallic-sheathed cable interconnector devices of insulating material that are listed shall be permitted to be used without boxes in exposed cable wiring. Opening in such devices shall form a close fit around the outer covering of the cable, and the device shall fully enclose the part of the cable from which any part of the covering has been removed. Where connections to conductors are by binding-screw terminals, there shall be available as many terminals as conductors.”

- (19) *Article 410.36(B)*. Article 410.36(B) shall be amended to read as follows:

**“ Article 410.36 Means of Support. (B) Suspended Ceilings.** Framing members of suspended ceiling systems used to support luminaires shall be securely fastened to each other and shall be securely attached to the building structure at appropriate intervals. Luminaires smaller than 610 mm by 610 mm (24 inches by 24 inches) shall be securely fastened to the ceiling framing member by mechanical means such as bolts, screws, or rivets. Listed clips identified for the use with the type of ceiling framing member(s) and luminaire(s) shall also be permitted. Fluorescent fixtures 610 mm by 610 mm (24 inches by 24 inches) or larger shall be supported independently of the ceiling grid by at least two wires on opposite corners of the fixture. The same size (or larger) wire used to support the ceiling system shall be used to support the fixture, but in no case shall the wire size be smaller than size No. 12 AWG steel.”

This ordinance shall become effective after its passage, approval and publication as provided by law.

PASSED AND APPROVED this 24<sup>th</sup> day of October, 2016.

Ayes: \_\_\_\_\_ Nays: \_\_\_\_\_ Abstain: \_\_\_\_\_

\_\_\_\_\_  
Mayor

Attested:

\_\_\_\_\_  
City Clerk