THE CITY OF ROCHELLE
Ogle County, Illinois

ORDINANCE
NO. _____

AN ORDINANCE ADOPTING THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND AMENDING ARTICLE III OF CHAPTER 22 - BUILDINGS AND BUILDING REGULATIONS

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City Council

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ORDINANCE NO. _____

AN ORDINANCE ADOPTING THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND AMENDING ARTICLE III OF CHAPTER 22 - BUILDINGS AND BUILDING REGULATIONS

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, the City of Rochelle seeks to update its Building Code regulations by adopting the 2020 edition of the *National Electrical Code* and amending Article III of Chapter 22 accordingly, (proposed amendments attached herein as Exhibit A); and

WHEREAS, the City Council finds that it is in the best interests of the city to adopt the 2020 edition of the *National Electrical Code*, with certain amendments thereto.

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

SECTION ONE: The foregoing Recitals are not mere preparatory language but are hereby incorporated in this Section One as if said Recitals were fully set forth.

SECTION TWO: The 2020 edition of the *National Electrical Code* is hereby adopted. "Article III. – ELECTRICAL CODE," of "Chapter 22 - BUILDINGS AND BUILDING REGULATIONS" of the Rochelle Municipal Code is hereby amended as reflected in the attached Exhibit A.

SECTION THREE: If any provision of this Ordinance or application thereof to any person or circumstance is ruled unconstitutional or otherwise invalid, such invalidity shall not affect other provisions or applications of this Ordinance that can be given effect without the invalid application or provision, and each invalid provision or invalid application of this Ordinance is severable.

SECTION FOUR: Where the conditions imposed by any provisions of this Ordinance are more restrictive than comparable provisions imposed elsewhere in any other local law, ordinance, resolution, rule or regulation, the regulations of this Ordinance will govern.

SECTION FIVE: The City Clerk with the approval of the City Manager, is authorized to correct any non-substantive drafting or formatting issues in Chapter 22 that may result from the adoption of this Ordinance. The City Clerk shall publish this Ordinance in pamphlet form.

SECTION SIX: This Ordinance shall become effective July 1, 2025.

PASSED THIS 23rd day of June 2025.

AYES:

NAYS:

ABSENT:

APPROVED THIS 23rd day of June, 2025.

_____

MAYOR

ATTEST:

_____

CITY CLERK

EXHIBIT A

Article III of Chapter 22, of the Code of Ordinances of the City of Rochelle, Illinois, is hereby amended as follows:

ARTICLE III. - ELECTRICAL CODE

Section 22-44. Adopted by reference.

The NFPA 70: National Electrical Code, 2020 edition, be and is hereby adopted as the *Electrical Code* of the City of Rochelle, in the State of Illinois, for regulating and governing the design, construction, quality of materials, erection, installation, repair, alteration, addition to, replacement, location and relocation, use or maintenance of electrical systems as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Electrical Code are hereby referred to, adopted, and made a part hereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes prescribed in Section 22-45, 22-46, and 22-47 of this article. A copy of this code shall remain on file at the office of the city clerk and building division of the community development department for public review and inspection.

Section 22-45 Amendments.

The following sections of the NFPA 70: National Electrical Code, 2020 Edition, as adopted in section 22-44 of this Code, are revised as follows:

(1) Article 210.8 (A) (5) Exception shall be deleted in part and replaced to read as follows:

"Exception No. 1 to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.
Exception No. 2 to (5): A single outlet for a sump pump, sewer ejector, or power-vent may be installed without ground-fault circuit-interrupter protection where an accessible ground-fault circuit-interrupter protected receptacle is located within (900 mm) 3 feet of the unprotected receptacle."

(2) Article 210.19 (A) (5) shall be added to read as follows:

"Article 210.19 (A) (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."

(3) Article 210.52 (C) (2) shall be deleted and replaced to read as follows:

"Article 210.52 (C) (2) Island and Peninsular Countertops and Work Surfaces. Receptacle outlets, if installed to serve an island or peninsular countertop or work surface, shall be installed in accordance with 210.52(C) (3). If a receptacle outlet is not provided to serve an island or peninsular countertop or work surface, provisions shall be provided at the island or peninsula for future addition of a receptacle outlet to serve the island or peninsular countertop or work surface."

(4) Article 210.52 (C) (3) shall be deleted and replaced to read as follows:

"210.52 (C) Countertops and Work Surfaces. (3) Receptacle Outlet Location. Receptacle outlets shall be located in one or more of the following:

(1) On or above, but not more than 500 mm (20 in.) above, a countertop or work surface

(2) In a countertop using receptacle outlet assemblies listed for use in countertops

(3) In a work surface using receptacle outlet assemblies listed for use in work surfaces or listed for use in countertops

Receptacle outlets rendered not readily accessible by appliances fastened in place, appliance garages, sinks or range tops as covered in 210.52 (C) (1), Exception, or appliances occupying assigned spaces shall not be considered as these required outlets."

(5) Article 210.70 shall be amended to read as follows:

"210.70 Lighting Outlets Required. Lighting outlets shall be installed and controlled as specified in 210.70 (A), (B) and (C). The switch or wall-mounted control device shall not rely exclusively on a battery unless a means is provided for automatically energizing the lighting outlets upon battery failure."

(6) Article 210.70 (A) shall be amended to read as follows:

"210.70(A) Dwelling units. In dwelling units, lighting outlets shall not be fed from the load side of a GFI device unless specifically called for in this Code, and shall be installed in accordance with 210.70(A)(1),(A)(2), and (A)(3)."

(7) Article 210.70(A) (1) shall be amended to read as follows:

"210.70 Lighting Outlets Required. (A) Dwelling Units. (1) Habitable rooms. At least one lighting outlet controlled by a listed wall-mounted control device shall be installed in every habitable room, kitchen and bathroom. The wall-mounted control device shall be located near an entrance to the room. Unless 210.70(A)(1) Exception No. 1 is applied, provision shall be made in the wiring of a ceiling box in all habitable rooms where a ceiling fan could possibly be mounted (excluding dining rooms) for a luminaire to operate independently from a fan."

(8) Article 230.11 shall be added to read as follows:

"230.11 Service Installation and/or Modifications. When any part of service entrance equipment, a branch circuit panel, or a service conductor is installed, replaced, modified, or required to be repaired, the service in its entirety must be installed to comply with the current codes as adopted by the City of Loves Park. The main branch circuit panel shall be at least 16 spaces.

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

(9) Article 230.43 shall be deleted and replaced as follows:

"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 only be used inside a building or structure."

(10) Article 230.67 shall be deleted in its entirety.

(11) Article 230.70 (A) (1) shall be deleted and replaced to read as follows:

"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 within 5 feet of the point of entrance of the service conductors."

(12) Article 230.85 shall be amended to read as follows:

"230.85 Emergency Disconnects. For one- and two-family dwelling units, all service conductors may terminate in disconnecting means having a short-circuit current rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. If more than one disconnect is provided, they shall be grouped. Each disconnect shall be one of the following:

(1) Service disconnects marked as follows:
EMERGENCY DISCONNECT,
SERVICE DISCONNECT
(2) Meter disconnects installed per 230.82(3) and marked as follows:
EMERGENCY DISCONNECT,
METER DISCONNECT,
NOT SERVICE EQUIPMENT
(3) Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows:
EMERGENCY DISCONNECT,
NOT SERVICE EQUIPMENT.

Markings shall comply with 110.21 (B)."

(13) Article 250.52 (A) shall be amended to read as follows:

"250.52 (A) Electrodes Permitted for Grounding. A concrete-encased electrode that complies with 250.52 (A) (3) will be required in all new construction and be clearly marked for identification as the concrete-encased electrode by painting or tagging. All grounding electrode conductor(s) must be terminated at enclosure of the first main disconnect, unspliced or irreversibly spliced between the first grounding electrode and enclosure. One of the following electrodes described in (1) through (2) and (4) through (8) shall be required as a supplemental grounding method. "

(14) Article 250.53 Grounding Electrode System Installation. (A)(2)(4) and (A)(2)(5) shall be deleted in its entirety.

(15) Article 250.53 Grounding Electrode System Installation. Exception to (A)(2) shall be deleted in its entirety.

(16) Article 300.1(D) shall be added to read as follows:

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

(17) Article 300.5 (D) (3) shall be deleted and replaced to read as follows:

"300.5 Underground Installations. (D) Protection from Damage (3) 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."

(18) Article 300.5 (L) shall be added to read as follows:

"300.5 Underground Installations. (L) Different Systems in Common Trench. When an electrical system over 50V shares a trench with another system, a distance of 12" from the other system must be maintained either horizontally or vertically. If the system sharing the trench is gas piping, the gas system must be below the electrical system."

(19) Article 300.11(A) (1) shall be added to read as follows:

"300.11 Securing and Supporting. (A) Secured in Place. (1) Tie Wire. Tie wire shall not be allowed as a sole means of supporting or securing conduit or cable in above ground applications."

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

"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."

(21) Article 300.13(D) shall be added to read as follows:

"300.13 Mechanical and Electrical Continuity-Conductors. (D) Push-Type Clamping Devices. No push-type or clamp-type connections for splices or for terminating 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 luminaires."

(22) Article 310.3 (A) shall be deleted and replaced to read as follows:

"310.3 Conductors. (A) Minimum Size of Conductors. The minimum size of conductors for voltage ratings up to and including 2000 volts shall be 14 AWG copper or 4 AWG aluminum or copper clad aluminum."

(23) Article 310.3 (B) shall be deleted and replaced to read as follows:

"310.3 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."

(24) Article 314.27 (A) (2) shall be deleted and replaced to read as follows:

"314.27 Outlet Boxes. (A) Boxes at Luminaire 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 a maximum weight the box shall be permitted to support that would accommodate the weight of the fixture. In all habitable rooms with a ceiling fixture (other than recessed fixtures) in a location acceptable for a ceiling-suspended (paddle) fan in one- and two-family or multi-family dwellings, a box rated for ceiling fan support shall be installed."

(25) Article 334.10 including (1) through (5) shall be deleted and replaced to read as follows:

"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, except as prohibited in 334.12."

(26) Article 334.15(D) shall be added to read as follows:

"334.15 Exposed Work. (D) All Unfinished Areas. Any exposed cable 7 feet (213 cm) or closer to the floor must be protected with a durable building material or sleeved in an approved manner."

(27) Article 334.40 (B) shall be amended to read as follows:

"(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. Openings 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."

(28) 338.10 Uses Permitted. (A) Service-Entrance Conductors. Deleted in its entirety.

(29) 338.12 shall be amended to read as follows:

"338.12 Uses Not Permitted.
(A) Service-Entrance Cable. Service-entrance cable (SE) shall not be used.
(B) Underground Service-entrance Cable (USE) shall not be used."

(30) 338.24 Bending Radius. Deleted in its entirety.

(31) 338.100 Construction. Deleted in its entirety.

(32) 338.120 Marking. Deleted in its entirety.

(33) Article 406.9 (C) shall be deleted and replaced to read as follows:

"406.9 (C) Bathtub and Shower Space. Receptacles shall not be installed within or directly over a bathtub or shower stall."

(34) Article 408.54 shall be amended to read as follows:

"Article 408.54 Maximum Number of Overcurrent Devices. A panelboard shall be provided with physical means to prevent the installation of more overcurrent devices than that number for which the panelboard was designed, rated, and listed. Newly installed panelboards shall not have more than 80% of the capacity for new circuits utilized."

(35) Article 410.36(B) shall be amended to read as follows:

"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. Luminaires nominal size 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 12 AWG steel."

(36) Article 690.13 (E) shall be deleted and replaced to read as follows:

"690.13 Photovoltaic System Disconnecting Means. (E) Type of Disconnect. The PV system disconnecting means shall simultaneously disconnect the PV system conductors that are not solidly grounded from all conductors of other wiring systems. The PV system disconnecting means or its remote operating device or the enclosure providing access to the disconnecting means shall be capable of being locked in accordance with 110.25. The PV system disconnecting means shall be one of the following rated for 60 amperes or more:

(1) A manually operable switch or circuit breaker

(2) A load-break-rated pull-out switch with the required interrupting rating

(3) A power-operated or remote-controlled switch or circuit breaker that is manually operable locally and opens automatically when control power is interrupted

(4) and (5) deleted."

(37) 690.31 Wiring Methods (A) shall be deleted and replaced to read as follows:

"690.31 Wiring Methods. (A) Wiring Systems. Only metal raceway methods of RMC, IMC, or EMT (and FMC in dry locations not subject to physical damage) shall be permitted. Wiring systems and fittings specifically listed for use in PV arrays, and wiring as part of a listed system shall be permitted within the array area. Where wiring devices with integral enclosures are used, sufficient length of cable shall be provided to facilitate replacement.

Exception: PVC shall be allowed for underground installations."

(38) Article 705.11 (D) shall be amended to read as follows:

"705.11 Supply-Side Source Connections. (D) Connections. The connection of power source output circuit conductors to the service conductors shall be made using listed connectors as described in 110.14 and comply with all enclosure fill requirements. Any modifications to existing equipment shall be made in accordance with the manufacturer's instructions or the modification must be evaluated for the application and have a field label applied. For meter socket enclosures or other equipment under the exclusive control of the electric utility, only connections approved by the electric utility shall be permitted. No more than one tap per conductor shall be allowed."

(39) Article 705.20 (1) shall be deleted and replaced as follows:
"705.20 Disconnecting Means, Source. Means shall be provided to disconnect power source output circuit conductors of electric power production equipment from conductors of other systems.

The disconnecting means shall comply with the following:

(1) Be one of the following types rated for 60 amperes or more:

(a) A manually operable switch or circuit breaker.

(b) A load-break-rated pull-out switch with the required interrupting rating.

(c) A power-operated or remote-controlled switch or circuit breaker that is manually operable locally and opens automatically when control power is interrupted."

(40) 705.25 Wiring Methods (A) General. shall be deleted and replaced to read as follows:

"705.25(A) General. Only metal raceway methods of RMC, IMC, EMT (and FMC in dry locations not subject to physical damage) shall be permitted. Wiring systems and fittings

specifically listed, intended and identified for use with power production systems shall be permitted within the array area. Where wiring devices with integral enclosures are used, sufficient length of cable shall be provided to facilitate replacement.

Exception: PVC shall be allowed for underground installations."

Section 22-46 Definitions.

Electrical contractor. Whenever the term "electrical contractor" is used it shall mean any person, firm, or corporation undertaking the execution of electrical work or engaged in the business of installing or altering by contract electrical equipment for utilization of electricity, supplied for light, heat, or power, not including radio apparatus or equipment for wireless reception of sounds and signals, not including apparatus, conductors and other equipment installed for or by public utilities, including common carriers, which are under the jurisdiction of the Illinois Commerce Commission for use in their operation as public utilities; the term "Electrical Contractor" does not include employees employed by such contractor to do or supervise such work, nor does it include homeowners who do their own work in their own home.

Electrical equipment. Whenever the term "electrical equipment" is used, it shall mean conductors and equipment installed for the utilization of electricity supplied for light, heat, or power, but does not include radio apparatus or equipment for the wireless reception of sounds and signals, and does not include apparatus, conductors, and other equipment installed for or by public utilities, including common carriers which are under the jurisdiction of the Illinois Commerce Commission, for use in their operation as public utilities.

Section 22-47 Inspector.

Building inspectors assigned to the building division and authorized in writing by the director of community development shall act as and have all the powers and duties given in this article to the electrical inspector.

STATE OF ILLINOIS)
) SS.
COUNTY OF OGLE)

CERTIFICATE

I, Rose Hueramo, City Clerk of the City of Rochelle, County of Ogle and State of Illinois, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Ordinance No. _____, "AN ORDINANCE ADOPTING THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND AMENDING ARTICLE III OF CHAPTER 22 - BUILDINGS AND BUILDING REGULATIONS" which was adopted by the Mayor and City Council of the City of Rochelle on June 23, 2025.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the City of Rochelle this 23rd day of June, 2025.

_____
CITY CLERK