

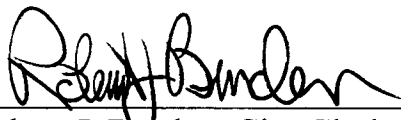
CITY OF LOVES PARK

ORDINANCE NO. 4082-16

**AN ORDINANCE AMENDING SECTIONS
18-26, 18-68 AND 18-69
(NATIONAL ELECTRICAL CODE)
OF THE CODE OF ORDINANCES
OF THE CITY OF LOVES PARK**

**ADOPTED BY THE MAYOR AND CITY COUNCIL
OF THE CITY OF LOVES PARK, ILLINOIS,
THIS 11TH DAY OF APRIL, 2016**

**Published in Pamphlet Form by
authority of the Mayor and City Council
of the City of Loves Park, Illinois, this
12th day of April, 2016.**



Robert J. Burden, City Clerk

ORDINANCE NO. 4082-16

**AN ORDINANCE AMENDING SECTIONS 18-67, 18-68 AND 18-69
OF THE CODE OF ORDINANCES OF THE CITY OF LOVES PARK**

WHEREAS, Section 18-67 of the Code of Ordinances of the City of Loves Park regulates electrical installations located within the City; and

WHEREAS, the City of Loves Park desires to ensure public safety in such installations; and

WHEREAS, the City desires to amend said section.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LOVES PARK, WINNEBAGO COUNTY, ILLINOIS AS FOLLOWS:

SECTION ONE: Section 18-67 of the Loves Park City Code is hereby rescinded and replaced as follows:

The NFPA 70: National Electrical Code, 2014 edition, including Annex H, be and are hereby adopted as the *Electrical Code* of the City of Loves Park, 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 Two of this ordinance. If one code contradicts another code, the most restrictive code shall be followed unless the less restrictive code is approved by the code official.

SECTION TWO: Section 18-68 shall be rescinded and replaced as follows:

Reserved

SECTION THREE: Section 18-69 of the Loves Park City Code is hereby rescinded and replaced as follows:

NFPA 70: National Electrical Code, 2014 Edition is hereby amended as follows:

Annex H Administration and Enforcement

(1) Article 80.2 shall be amended as follows:

Section 80.2 Definitions. Add the following:

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.

(2) Article 80.15 (A) shall be amended as follows:

80.15 (A) Creation of the Electrical Board. There is hereby created the Electrical Board of the City of Loves Park, hereinafter designated as the Board.

(3) Article 80.15 (C) shall be amended as follows:

80.15 (C) Terms. Of the members first appointed, one shall be appointed for a term of 1 year, one for a term of 2 years, one for a term of 3 years, one for a term of 4 years, and thereafter each appointment shall be for a term of 4 years, or until a successor is appointed. The Chair of the Board shall be appointed for a term not to exceed 5 years.

(4) Article 80.15 (D) shall be deleted and replaced as follows:

80.15 (D) Compensation. Each appointed member shall receive the sum of zero dollars (\$) for each day. The permit holder shall post the permit on the job site in a conspicuous place at all times, visible from the street, until the final inspection has been made and approved. The building official is authorized to impose a re-inspection fee when the permit is not posted.

(5) Article 80.19 (A) (2) shall be deleted and replaced as follows:

80.19 Permits and Approvals. (A) Application. (2) The permit holder shall post the permit or a legible copy of the permit on the job site in a conspicuous place at all times, visible from the street, until the final inspection has been made and approved. The building official is authorized to impose a re-inspection fee when the permit is not posted.

(6) Article 80.19 (C) (3) shall be added as follows:

80.19 Permits and Approvals. (C) Issuance of permits. (3) Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy, unless the wiring is integral with a lighting or power distribution system, fire alarms or temperature control systems involving fan shut down relays, smoke controls systems or duct smoke detectors.

(7) Article 80.19 (C) (4) shall be added as follows:

80.19 Permits and Approvals. (C) Issuance of permits. (4) Installation of telephone, CAT5 or other network wiring, or CATV wiring.

(8) Article 80.19 (D) shall be deleted.

80.19 Permits and Approvals. (D) Annual permits. Deleted.

(9) Article 80.19 (E) (1) shall be added as follows:

80.19 Permits and Approvals. (E) Fees. (1) Work commencing before permit issuance. When a permit is required by this code, and work is started or proceeded with, prior to obtaining said permit, the fees established in Section 18-28 of the Building Code shall be doubled and not less than \$250.00. This penalty may be waived by the building official if the person in violation has not obtained a permit in the last year and is the owner of the property. For the second offense within a twelve (12) month period, starting or proceeding with the work prior to obtaining a permit, the fees established in Section 18-28 of the Building Code shall be doubled and not less than \$500.00 plus an additional fee of \$500.00 shall be paid for each day work continued without said permit. For the third such instance within a twelve (12) month period, the fees established in Section 18-28 of the Building Code shall be tripled and not less than \$750.00 plus an additional fee of \$750.00 shall be paid for each day work continued without said permit. For the fourth such instance within a twelve (12) month period, the offender shall be prosecuted by the City of Loves Park Legal Department as permitted by state law. The payment of such fees shall not relieve any person from complying with the requirement of this code and the execution of the work, nor from any penalties prescribed herein.

(10) Article 80.19 (F) (3) shall be deleted and replaced as follows:

80.19 Permits and Approvals. (F) Inspections and Approvals. (3) When any portion of the electrical installation within the jurisdiction of an Electrical Inspector is to be hidden from view by the permanent placement of parts of the building, the person, firm or corporation installing the equipment shall notify the Electrical Inspector, and the equipment shall not be concealed until it has been approved by the Electrical Inspector.

(11) Article 80.19 (F) (5) shall be amended as follows:

80.19 Permits and Approvals. (F) Inspections and Approvals. (5) If, upon inspection, any installation is found not to be fully in conformity with the provisions of Article 80, and all applicable ordinances, rules, and regulations, the Inspector making the inspection shall at once make a written notice stating the defects that have been found to exist. The list will be posted on the jobsite. Where any work or installation does not pass an initial test or inspection, the necessary correction shall be made so as to achieve compliance with this code. The contractor shall then request that the work or installation be re-inspected or retested. The permit holder will be subject to a re-inspection fee according to Section 18-28 of the Code of Ordinances of the City of Loves Park, for the first, and each additional, re-inspection or test performed.

(12) Article 80.21 (B) (1) shall be amended as follows:

(B) Responsibility of the Applicant. (1) The construction documents include all of the electrical requirements. Plans and specifications in sufficient detail shall be filed with the Building Official showing the location and capacity of all lighting facilities, electrically operated equipment and electrical circuits required for all service equipment of the building or structure except as may be modified by the code official. Whenever an electrical contractor will be the installer of electric heat in a room or in a building, and said heat is to be the principal source of heat for that room or building, the plans and heat loss (80% differential) shall be submitted to the building department before proceeding with the installation.

(13) Article 80.21 (B) (3) shall be added as follows:

(B) Responsibility of the Applicant. (3) Available Short Circuit Current Form. An available short circuit current form will be required stating what the available short circuit current is at the transformer secondary, at the main disconnect line side, and at all sub-panels. The form shall be filled out and on file with the City of Loves Park Building Department before an inspection will be performed for an electrical service for commercial, industrial and, in some cases, residential buildings.

(14) Article 80.23 (B) (3) shall be deleted.

80.23 Notice of Violations, Penalties. (B) Penalties. (3) (Deleted)

(15) Article 80.25 (C) shall be deleted.

80.25 Connection to Electrical Supply. (C) Notification. (Deleted)

(16) Article 80.27 (A) shall be deleted and replaced as follows:

80.27 Inspector's Qualifications. (A) Certificate. All electrical inspectors shall be certified by a nationally recognized inspector certification program accepted by the Board. The certification program shall specifically qualify the inspector in electrical inspections. If a person is employed as an Electrical Inspector by the City of Loves Park and does not have a certification, that person will have one year to acquire the certification.

(17) Article 80.27 (B) (3) shall be amended as follows:

80.27 Inspector's Qualifications. (B) Experience. (3) Be well versed in the statutes of Illinois relating to electrical work and the National Electrical Code, as approved by the American National Standards Institute

(18) Article 80.27 (B) (4) shall be amended as follows:

80.27 Inspector's Qualifications. (B) Experience. (4) Have had at least two years' experience as an Electrical Inspector or five years in the installation of electrical equipment. In lieu of such experience, the applicant shall be a graduate in electrical engineering or of a similar curriculum of a college or university considered by the Board as having suitable requirements for graduation and shall have had two years' practical electrical experience.

(19) Article 80.29 shall be amended as follows:

80.29 Liability for Damages. Article 80 shall not be construed to affect the responsibility or liability of any party owning, designing, operating, controlling, or installing any electrical equipment for damages to persons or property caused by a defect therein, nor shall the City of Loves Park or any of its employees be held as assuming any such liability by reason of the inspection, re-inspection, or other examination authorized.

(20) Article 80.35 shall be amended as follows:

80.35 Effective Date. Article 80 shall take effect immediately after its passage and publication.

(21) Article 210.19(A) (5) shall be added as follows:

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.

(22) Article 210.70(A) (1) shall be amended as follows:

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.

(23) Article 210.70(A) (3) shall be deleted and replaced as follows:

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.

(24) Article 210.70(C) shall be amended as follows:

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.

(25) Article 230.11 shall be added 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.

(26) 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 be used inside a building or structure.

(27) Article 230.70 (A) (1) shall be deleted and replaced 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 at or within 5 feet of the meter enclosure.

(28) Article 250.52 (A) shall be deleted and replaced as follows:

250.52 (A) Electrodes. A concrete-encased electrode that complies with 250.52 (A) (3) will be required in all new construction. The following electrodes described in (1) through (8) shall be permitted as additional grounding methods.

(29) Article 300.1(D) shall be added 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.

(30) Article 300.5 (D) (3) shall be amended 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.

(31) Article 300.11(A) (3) shall be added as follows:

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.

(32) Article 300.13(C) shall be added 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.

(33) Article 300.13(D) shall be added 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.

(34) Article 310.106(B) shall be deleted and replaced as follows:

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.

(35) Article 314.27 (A) (2) shall be amended 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 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.

(36) Article 334.10 including (1) through (5) shall be deleted and replaced 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.

(37) Article 334.15(D) shall be added as follows:

334.15 Exposed Work. (D) All 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.

(38) Article 334.40 (B) shall be deleted in part:

334.40 Boxes and Fittings. (B) Devices of Insulating Material. Delete “and for repair wiring in existing buildings where the cable is concealed.”

(39) Article 410.36(B) shall be amended 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. 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 12 AWG steel.

SECTION THREE: The Provisions and Sections of this Ordinance shall be deemed severable, and the invalidity of any portion of this Ordinance shall not affect the validity of the remainder.

SECTION FOUR: All ordinances, resolutions, or parts of ordinances in conflict herewith are hereby repealed.

SECTION FIVE: This ordinance shall be in full force and effective on May 1, 2016.

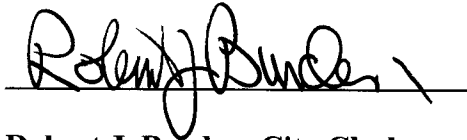
SECTION SIX: A full, true, and complete copy of this Ordinance shall be published within 10 days after its passage in pamphlet form by and under the authority of the Corporate Authorities.

APPROVED:



Mayor Darryl F. Lindberg

ATTEST:



Robert J. Burden, City Clerk

PASSED: April 11, 2016, 8 Ayes (Aldermen Peterson, Holmes, Allton, Jacobson, Jury, Little, Pruitt, Frykman) 2 Absent (Aldermen Schlensker, Warden)

APPROVED: April 12, 2016

PUBLISHED: In pamphlet form April 12, 2016 as required by Ordinance.

STATE OF ILLINOIS)
COUNTY OF WINNEBAGO)
CITY OF LOVES PARK)

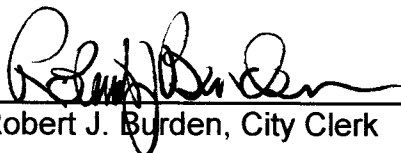
CERTIFICATE

I, ROBERT J. BURDEN, certify that I am the duly elected and acting Municipal Clerk of the City of Loves Park, Winnebago County, Illinois.

I further certify that on April 11, 2016, the Corporate Authorities passed Ordinance No. 4082-16, entitled "An Ordinance Amending Sections 18-26, 18-68 and 18-69 of the Code of Ordinances (National Electrical Code) of the City of Loves Park," and by its terms, that it should be published in pamphlet form.

The pamphlet form of Ordinance No. 4082-16, including the Ordinance and a cover sheet thereof, was prepared, and a copy of such Ordinance was posted in the municipal building, commencing on April 12, 2016, and continuing for at least ten days thereafter. Copies of such ordinance were also available for public inspection, upon request, in the office of the municipal clerk.

Dated at Loves Park, Illinois, this April 12, 2016.



Robert J. Burden, City Clerk