

## CHAPTER 16

### ELECTRICAL CODE

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16.01 STATE CODE ADOPTED.

(1) Wis. Adm. Code Ind. Ch. 24 is hereby adopted by reference and made a part of this chapter and shall apply to the construction and inspection of new 1- and 2-family dwellings and additions or modifications to existing 1- and 2-family dwellings.

(2) Subject to the exceptions set forth in this chapter, the Electrical Code, Volume 1, and Rules of Electrical Code, Volume 2, of the Wisconsin Administrative Code are hereby adopted by reference and made a part of this chapter and shall apply to all buildings, except those covered in sub. (1) above.

(3) Any further amendments, revisions and modifications of said code and rules incorporated therein are intended to be made a part of this chapter.

16.02 DEFINITIONS. In the interpretation and enforcement of this chapter, the following definitions shall apply:

(1) ELECTRICAL SYSTEM. All wires, equipment or devices installed for the purpose of conducting or safeguarding electrical current at all voltages.

(2) ELECTRICAL WORK. Any act in connection with the installing, altering or maintaining of electrical systems, which act ordinarily requires the use of tools.

(3) WIRING. All conductors and all other devices incidental to the safe conduction of electrical current.

16.03 ELECTRICAL INSPECTOR.

(1) QUALIFICATIONS. The Electrical Inspector shall be versed in approved methods of electrical construction for the safety of life and property, the State Statutes relating to electrical work, the rules and regulations of the State Department of Industry, Labor and Human Relations and the National Electric Safety Code of the United States Bureau of Standards and shall be certified by the State of Wisconsin.

(2) POWERS AND DUTIES.

(a) Records and Reports. The Electrical Inspector shall keep a complete record of all applications made and permits issued, regularly numbered in the order of their issuance. He shall also keep a record of all inspections made and other official work

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performed under the provisions of this chapter, so arranged as to afford prompt information concerning electrical installations and shall make monthly reports thereon to the Village Board.

(b) Inspections; Notices. The Electrical Inspector shall inspect all buildings and premises and make a thorough examination of all the electrical wiring, equipment and devices installed and when such are found to be in a dangerous or unsafe condition, he shall notify the person owning, using, operating or installing the same to place them in a safe condition. Such necessary repairs or changes shall be completed according to the provisions of this chapter. The Electrical Inspector may order the discontinuance of electrical service to such defective electrical system until it has been repaired, removed or altered as directed by the Inspector. Failure to obey any such order shall subject such person to the penalties herein provided.

(3) **AUTHORITY TO TURN OFF CURRENT.** The Electrical Inspector may cause the immediate turning off of all electrical current to any equipment which he finds, in the exercise of his sound judgment, creates imminent danger to persons or property and to cut or discontinue electrical service in emergencies where he finds, in the exercise of his sound judgment, such electrical current creates imminent danger to persons or property or where such currents may interfere with the work of the Fire Department. No person shall reconnect any equipment thus cut off without the written permission of the Electrical Inspector.

(4) **RIGHT OF ENTRY.** The Electrical Inspector may enter any building or premises in the discharge of his official duties and for that purpose shall be given prompt access upon notification to the proper authority. He may discontinue electrical service to premises to which he is denied access or entry.

16.04 ELECTRICAL CONTRACTORS TO BE LICENSED. All electrical work in the Village shall be done only by an electrical contractor licensed for such work, or his employes.

### 16.05 ELECTRICAL PERMITS.

(1) **PERMITS REQUIRED; APPLICATION.** The Electrical Inspector shall issue permits for the execution of electrical installation for light, heat or power upon the filing of proper application, which shall be made on blanks furnished by the Electrical

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Inspector and shall prescribe the nature of the work contemplated and such other pertinent information as may be required for inspection. No work shall be done until a permit has been obtained.

(2) FEES. The following fees shall be paid for inspection of all electrical equipment and installation provided the total fees for any one job, whether under one or more than one permit, shall be not less than \$5.00 nor more than \$75.00.

<u>Permit Required</u>	<u>Fee</u>
Outlets for fixtures, lamps, switches and similar devices -----	\$.30 each
Fixtures, studded porcelain receptacle, etc. -----	\$.25 each
Ranges, including outlets or 50 AMP outlets or receptacle -----	\$5 each
Garbage disposal -----	\$3 each
Dishwasher -----	\$3 each
Water heater -----	\$5 each
Clothes dryer -----	\$4 each
Automatic central heating and cooling devices -----	\$5 each
Air conditioners 3 tons or smaller in size -----	\$5
Over 3 tons -----	\$1 per ton in excess
Well pump -----	\$4
Low voltage device -----	\$.50 each
Service switches:	
0-100 amperes -----	\$6 each
101-600 amperes -----	\$8 each
601 through 1,000 amperes -----	\$10 each
Additional 100 amperes or fraction -----	\$3 each
Tubular lamps such as fluorescent, cold cathode, lumiline and mercury vapor -----	\$.40 per tube
Miscellaneous heating devices -----	\$1.25 per KWT
Power receptacles, 230 volts or over:	
Through 30 amperes -----	\$4 each
Over 30 amperes -----	\$5 each
Motors (per H.P. or fraction thereof) -----	\$.40 each
Neon Signs (transformer) -----	\$3 each

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<u>Permit Required</u>	<u>Fee</u>
Generators, rectifiers and transformer (per KWT) -----	\$.35 each
X-ray, moving picture machine, stereopticon machine and like apparatus -----	\$5 each
Wireways, busways, underfloor raceways or auxiliary gutters -----	\$.25 per foot or fraction
Stage pockets, spotlights, fluorescent tubes and like apparatus -----	\$.40 each
Arc, mercury, search and flood lights -----	\$1 each
Dimmers -----	\$2 each
Feeders and subfeeders No. 6 AWG or larger -----	\$10 each
Reinspections -----	\$10
Bathroom heater -----	\$3 each
Bathroom fan -----	\$2 each
Bathroom - GFI -----	\$2 each
Powder room and outside receptacle GFI -----	\$2 each
Garage GFI -----	\$2 each
Kitchen Exhaust Fan -----	\$2 each
Sump pump -----	\$4 each
Swimming pool wiring:	
Inground pools -----	\$15
Above-ground pools -----	\$7
Grounding of pools -----	\$7
Failure to call for final inspection -----	\$6

NOTE: If work is started before a permit is obtained, except in emergencies, the fee shall be doubled.

(3) INSPECTION OF WORK. The contractor shall notify the Electrical Inspector when ready for inspection and the Electrical Inspector shall inspect all electrical work when completed. All electrical wiring and installations shall be left exposed until such time as the Electrical Inspector has completed his inspection. No electrical service shall be connected by a power company until a notarized affidavit stating that the final electrical inspection has been made and approved has been filed with the Building Inspector. No building where electrical service has been cut off due to fire shall be reconnected until authorized by the Electrical Inspector. If the Electrical Inspector shall

determine that the work has not been done in accordance with the provisions of this chapter, the contractor shall correct the same within 10 days after receiving notice thereof. If the defective work has not been corrected within 10 days, the Electrical Inspector shall cancel the permit until the provisions of this chapter have been complied with.

(4) **ISSUANCE OF SUBSEQUENT PERMITS.** No permit shall be issued if there are any outstanding corrections to be made. No permit shall be issued if previous permits are not complete as to work done and the fees paid on any work that has been reported as complete.

**16.06 SPECIAL PROVISIONS FOR TEMPORARY INSTALLATION.** The Electrical Inspector may grant special permission, for a limited time, for the installation or use of temporary electric wiring and equipment which does not conform with the regulations of this chapter. The person installing such wiring or equipment shall be directly and legally responsible and accountable for the safe condition of the installation at all times and its complete removal at the end of the fixed temporary period, as set by the Electrical Inspector, or any time sooner when ordered by the Inspector. Carnivals, circuses, theatrical acts and exhibitions and all places of temporary outdoor assembly are included in the provisions of this section and all electrical wiring and equipment shall be isolated from the public by proper elevation and guarding of all electrical fuses, and switches shall be installed in approved enclosures. Cable laid on the ground in areas traversed by the public shall be buried in trenches or protected by approved covers. No wooden raceways shall be used. All temporary services shall be rainproof in their entirety. Where an enclosure is built around nonwaterproof equipment, it shall have a hinged cover and be supplied with a hasp and lock.

**16.07 CERTIFICATES OF COMPLIANCE.**

(1) **ISSUANCE OF CERTIFICATE OF INSPECTION CONTINGENT ON COMPLIANCE.** No certificate of inspection shall be issued unless the electric light, power or heating installation and all other electrical apparatus connected with it are in strict conformity with the provisions of this chapter.

(2) **CERTIFICATE REQUIRED.** Current shall not be turned on for any electrical installation until a certificate of inspection has been issued by the Electrical Inspector. This certification shall be accomplished as part of the sequence of final inspections required for the building occupancy permit.

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(3) **EXCEPTION.** In occupied buildings where a permit for lighting fixtures has been issued, the Electrical Inspector may authorize the installation of meters for electrical service after the wiring has been inspected and approved.

16.08 **NOTICE OF NONCOMPLIANCE; APPEAL.** Whenever the Electrical Inspector determines that all or part of the electrical work of any building does not comply with the provisions of this chapter, he shall, in cases where the construction is in progress, give 5 days' written notice thereof to the contractor on the job. In all other cases he shall give 5 days' notice thereof to the owner or his authorized agent or attorney. Such contractor or owner may have such determination reviewed by the Board of Zoning Appeals.

16.09 **DISCLAIMER ON INSPECTIONS.** The purpose of the inspections under this code is to improve the quality of housing in the Village. The inspections and the reports and findings issued after the inspections are not intended as, nor are they to be construed, as a guarantee. In order to so advise owners and other interested persons, a disclaimer shall be included in each inspection report as follows: "The findings of inspection contained therein are intended to report conditions of noncompliance with code standards that are readily apparent at the time of inspection. The inspection does not involve a detailed examination of the mechanical systems or the closed structural and nonstructural elements of the building and premises. No warranty of the operation, use or durability of equipment and materials not specifically cited herein is expressed or implied."

16.10 **PENALTY.** Any person who shall violate any provision of this chapter or any regulation, rule or order made hereunder shall be subject to a penalty as provided in 25.04 of this Code.