

ORDINANCE NO. 17-2006

AN ORDINANCE AMENDING CHAPTER 8, "CONSTRUCTION REGULATIONS", ARTICLE VI, "CODES AND OTHER REGULATIONS", DIVISION 3, "ELECTRICAL CODE", OF THE ABILENE MUNICIPAL CODE, BY AMENDING CERTAIN SECTIONS AS SET OUT BELOW; PROVIDING A SEVERABILITY CLAUSE, DECLARING A PENALTY AND CALLING A PUBLIC HEARING.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

- PART 1. That Chapter 8, Article VI, "Codes and Other Regulations", Division 3, "Electrical Code", of the Abilene Municipal Code be amended as set out in Exhibit "A", attached hereto and made a part of this ordinance for all purposes.
- PART 3. That if any provisions of any section of this ordinance shall be held to be void or unconstitutional, such holding shall in no way effect the validity of the remaining provisions or sections of this ordinance, which shall remain in full force and effect.
- PART 4. That any person, firm or corporation violating any of the provisions of this chapter, shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punishable by a fine of not more than Five Hundred Dollars (\$500). Each day such violation shall continue or be permitted to continue, shall be deemed a separate offense. Said ordinance, being a penal ordinance, becomes effective ten (10) days after its publication in the newspaper, as provided by Section 19 of the Charter of the City of Abilene.

PASSED ON FIRST READING this 27th day of April, A.D., 2006.

After passage on first reading, a notice of the time and place said ordinance would be given a public hearing and consideration for final passage was published in the Abilene Reporter-News, a daily newspaper of general circulation in the City of Abilene. The same being more than 24 hours prior to the time designated for said hearing. After such opportunity for the public to be heard, said ordinance was passed on its second and final hearing.


PASSED ON SECOND AND FINAL READING this 11th day of May, A.D., 2006.

ATTEST:

  
\_\_\_\_\_  
CITY SECRETARY

  
\_\_\_\_\_  
MAYOR

APPROVED:

  
\_\_\_\_\_  
CITY ATTORNEY

**Significant Code Changes of the 2005 National Electrical Code  
And the City of Abilene Local Amendments**

**Local Amendments – Administrative Provisions**

- Chapters One, Two and Three are unchanged from the 2002 code with the exception of minor editorial changes.
- Chapter Four, which is local licensing requirements, has been amended to delete all references to the issuance of local licensing, with the exception of Apprentice Electrician licenses which will still be issued by the City of Abilene. Due to the new State of Texas Electrical License Law, the committee saw no need for the city to continue issuing any new local licenses since the requirements and testing to obtain a state license are the same as the City of Abilene requirements. Also, we have not had a request for a local license in the last two years. The deletion is only for the issuance of any new licenses; anyone who holds a current City of Abilene electrical license can still retain that license and renew it from year to year, these licenses are not affected. The provisions for the issuance of Apprentice Electrician licenses were retained to assist contractors in allowing new employees to obtain an apprentice license from the City of Abilene and allowing them to start work immediately as opposed to making application to the state and waiting for the license to be mailed before they can work in the electrical trade. The city will still be collecting a license fee for these licenses.

**2005 National Electrical Code – Local Amendments**

- The local amendments are the same as in the 2002 NEC with minor editorial changes to match changes to the article numbers in the 2005 NEC and to clarify the code requirements with no change to the requirements.
- Appendix B is proposed to be deleted for clarification. These code requirements are covered in the 2005 NEC. The committee felt this would prevent confusion.

**2005 National Electrical Code – As produced by the National Fire Protection Agency**

- The majority of the code changes from the 2002 NEC to the 2005 NEC are editorial for clarification and reorganization of code requirements. Attached you will find copies from the NEC Analysis of Changes produced by NFPA which will explain some of the significant changes in the 2005 code.

**ORDINANCE NO. 17-2006**

**EXHIBIT "A"**

**DIVISION 3. ELECTRICAL CODE**

**Replace Sec. 8-496 as follows:**

**Sec. 8-496. Adopted.**

The National Electrical Code, 2005 Edition, published by the National Fire Protection Association together with standards of the National Electrical Manufacturers Association and the American National Standards Institute, together with an electrical code pamphlet amending and supplementing that code, are hereby enacted and adopted by reference, as the electrical code for the City of Abilene, and is hereby incorporated herein. The electrical code pamphlet, along with the National Electrical Code, are on file in the building official's and city secretary's offices.

# **ELECTRICAL**



# **CODE PAMPHLET**

TO BE USED IN CONJUNCTION  
WITH THE  
2005 NATIONAL ELECTRICAL CODE

This pamphlet is to be used in conjunction with the *2005 National Electrical Code*, as published by the National Fire Protection Association. All electrical installations in the City shall be done in accordance with the latest edition of the National Electrical Code, as it is adopted by the City of Abilene. In the event of any conflict between the Code and this pamphlet, the stricter provision shall apply. This booklet and the *2005 National Electrical Code* comprise the Electrical Code for the City of Abilene, Texas

This code was adopted by the City Council on May 11, 2006, as Ordinance No. \_\_\_\_\_ of the Municipal Code, with an effective date of \_\_\_\_\_, 2006.

Building Inspections  
555 Walnut, Room 100 ..... 676-6232

Electrical Inspectors ..... 676-6276  
..... 676-6352

*The following provisions are Administrative Provisions extracted from the Uniform Administrative Code, which have been tailored to code enforcement and are specifically geared to electrical code enforcement and are published by the International Conference of Building Officials. The amendments are specific provisions for the City of Abilene, and together, with the published Administrative Provisions, comprise this portion of the Electrical Code.*

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*The following provisions are amendments to the 2002 National Electrical Code:*

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{Delete Article 80 – Administration and Enforcement, in its entirety and insert the following:}

**CHAPTER 1  
TITLE AND GENERAL**

**Title**

101. These regulations shall be known as the “Electrical Code”, may be cited as such and will be referred to herein as “this code”.

**Application to Existing Electrical Systems and Equipment**

102. (a) **Additions, Alterations, or Repairs.** Additions, alterations, or repairs may be made to an electrical system and equipment to comply with all the requirements of this code, provided the addition, alteration or repair conforms to that required for a new electrical system and equipment, and provided further that no hazard to life, health or safety will be created by such additions, alterations or repairs.

Minor additions, alterations and repairs to existing electrical system and equipment may be made in accordance with the law in effect at the time the original installation was made, when approved by the Electrical Inspector.

(b) **Existing Installations.** Electrical systems and equipment lawfully in existence at the time of the adoption of this code may have their use, maintenance or repair continued, if the use, maintenance or repair is in accordance with the original design and no hazard to life, health or property has been created by such electrical system and equipment

(c) **Changes in Building Occupancy.** Electrical systems and equipment which are a part of any building or structure undergoing a change in use or occupancy, as defined in Building Code, shall comply with the requirements of this code which are applicable to the new use or occupancy.

(d) **Maintenance.** All electrical systems and equipment, both existing and new, and all parts thereof, shall be maintained in a proper operating condition in accordance with the original design and in a safe and hazard-free condition. All devices or safeguards, which are required by this code, shall be maintained in conformance with this code. The owner, or designated agent, shall be responsible for the maintenance of the electrical system. To determine compliance with this subsection, the Building Official may cause any electrical system to be reinspected.

(e) **Moved Building.** Electrical systems and equipment, which are a part of buildings or structures moved into or within this jurisdiction, shall comply with the provisions of this code for new installations.

(f) **Residential Rehabilitated and Condemned Buildings.** Existing buildings which have been condemned may have existing serviceable electrical systems left in place, provided

these systems were installed in accordance with the standards applicable at the time the building was built, and further provided that the following minimum provisions are met:

1. **Services:**

- a. All exterior service equipment shall be of weatherproof materials, fittings and devices.
- b. Latest approved service mast heights and points of attachment to structures shall be maintained.
- c. Services shall be of a capacity large enough to carry anticipated load. No service conductor shall be less than 100 amps.

2. **Circuits:**

- a. Existing two conductor non-metallic sheathed cable, if in safe condition, shall be allowed to remain with the addition of a single grounding conductor run separately to outlets located in bathroom, kitchen countertops, and laundry room areas. In lieu of grounding wire, a GFCI outlet may be substituted.
- b. Other conforming wiring methods, not presently approved by the City of Abilene Electrical Code, may remain, if in safe condition, and not disturbed in any manner, other than reconnection to an electrical panel, provided also that these systems were legal at the time of original installation.
- c. Receptacles shall be sufficient in numbers to serve the desired space in a practical manner, but not less than three (3) duplex receptacles per sleeping room and living areas, such as dens.
- d. These Code requirements are not required to be added to existing serviceable electrical systems:
  - (1) Exterior plugs for residences.

Where there is a question regarding the safety of any installed electrical system in a building which is being rehabilitated, the Electrical Inspector may require that the owner obtain the services of a licensed Master Electrician to completely examine and test the system and report on its safety. When systems are found to be unsafe, they must be replaced in accordance with the requirements of the National Electrical Code, as adopted by the City of Abilene.

## Definitions

**103. General.** For the purpose of these provisions, certain terms, phrases, words and their derivatives, shall be construed as specified in this section. Where terms are not defined, they shall have their ordinarily accepted meanings, within the context with which they are used. *Webster's Third New International Dictionary of the English Language, Unabridged, Copyright 1986*, shall be considered as providing ordinarily accepted meanings. Words used in the singular

include the plural, and the plural the singular. Words used in the masculine gender include the feminine, and the feminine the masculine.

**APPRENTICE ELECTRICIAN** - Any person, other than a Master Electrician or Journeyman Electrician, who, as his principal occupation, is engaging in learning and assisting in the installation of electrical work under the personal, on-going supervision of a Master or Journeyman Electrician.

**APPROVED**, as to materials, equipment, and method of construction, refers to approval by the Building Official, as the result of investigations and tests conducted by the Building Official, or by reason of accepted principles or tests by recognized authorities, technical or scientific organizations.

**APPROVED AGENCY** is an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when the agency has been approved by the Building Official.

**BUILDING CODE** is the International Building Code promulgated by the International Code Council, as adopted by this jurisdiction.

**BUILDING OFFICIAL** is the officer charged with the administration and enforcement of this code, or a duly authorized representative, and is the authority having jurisdiction for this code.

**ELECTRICAL INSPECTOR** shall be the person providing expertise for the Building Official in the area of electrical regulations, and is a duly authorized representative and authority having jurisdiction for this code, under the supervision of the Building Official.

**CODE ENFORCEMENT AGENCY** is the department, division, or agency of this jurisdiction charged with the function of code enforcement and shall be under the administration and operational control of the Building Official.

**ELECTRICAL CODE** is the National Electrical Code promulgated by the National Fire Protection Association, and further amendments, as adopted by this jurisdiction.

**ELECTRICAL WORK** is any work related to, or involving the furnishing of labor, equipment, appliances or materials, or the performance of any operation in connection with electrical installations. It includes, but is not limited to, the following:

1. Power and lighting systems, secondary services, distribution panels, lighting panels, conduits, junction boxes, pull boxes, outlets, feeders, sub-feeders wiring devices, service fittings, lighting fixtures, lamps, etc.
2. All power and control wiring, and any other electrical installations incidental to any equipment furnished by any other contractors, owners, or their agents.

**FIREWALL** shall be the same as is referenced in the Building Code.

**INSTALLATION** is any electrical work of any nature performed on, in, or near any premises.

**JOURNEYMAN ELECTRICIAN** is any person, other than a Master Electrician, who engages in or works at the actual installation, alteration, repair and renovation of electrical work, and who has successfully fulfilled the examination and requirements of this code.

**LEGAL ENTITY** Legal Entity shall be an electrical business, meeting the requirements for a licensed Master Electrician.

**LISTED and LISTING** are terms referring to equipment and materials, which are shown in a list published by an approved testing agency, qualified and equipped for experimental testing productions, and which listing states that the material or equipment complies with accepted national standards which are approved, or standards which have been evaluated for conformity with approved standards.

**MAINTENANCE ELECTRICIAN** - One who is employed by a person to maintain and repair electrical installation in a particular building, and who does not otherwise engage himself as either a Master, Journeyman or Residential Electrician.

**MASTER ELECTRICIAN** - An electrician who performs electrical work, and who has successfully fulfilled the examination and requirements, as set out in this code.

**MULTIPLE OCCUPANCY BUILDING** is a building having more than one tenant and may be of single or mixed use groups, as classified by the Building Code.

**OCCUPANCY** is the purpose for which a building, or part thereof, is used or intended to be used.

**RECOGNIZED ACCREDITED ELECTRICAL SCHOOL** is an electrical school approved by the U.S. Department of Labor, the Abilene Independent Electrical Contractor's Association or the Abilene Electrical Sub-Committee.

**RESIDENTIAL ELECTRICIAN** is any person, other than a Master Electrician and/or a Journeyman Electrician, who engages in or works at the actual installation, alteration, repair and renovation of electrical work, and who has successfully fulfilled the examination and requirements of this Code. Work performed is limited to work performed in one or two family dwellings, triplexes and/or quadra-plexes.

**SIGN ELECTRICIAN** - A person who manufactures or installs luminous gas or electric discharge signs, or other electrical signs of any type.

## **Conflicting Provisions**

104. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern.

## **Alternate Materials and Methods of Construction**

105. The provisions of this code are not intended to prevent the use of any material or method of construction not specifically prescribed by this code, provided any alternate has been approved and its use authorized by the Building Official.

The Building Official may approve any alternate, provided that the proposed design is satisfactory and complies with the provisions of this code, and that the material, method or work offered is for the purpose intended, and is at least the equivalent of that prescribed in this code in suitability, strength, effectiveness, fire resistance, durability and safety.

The Building Official shall require that sufficient evidence or proof be submitted to substantiate any claims, regarding the use of alternates. The details of an action granting approval of an alternate shall be recorded and entered in the files of the code enforcement agency.

## **Modifications**

106. Whenever there are practical difficulties involved in carrying out the provisions of this code, the Building Official may grant modifications for individual cases, provided that a special individual reason makes the strict letter of this code impractical, and the modification is in conformity with the intent and purpose of this code, and that such modification does not lessen health, life, and fire safety requirements. The detail of actions granting modifications shall be recorded and entered in the files of the code enforcement agency.

## **Tests**

107. Whenever there is insufficient evidence of compliance with any of the provisions of this code or evidence that materials or construction do not conform to the requirements of this code, the Building Official may require tests as evidence of compliance to be made at no expense to this jurisdiction.

Test methods shall be as specified by this code or by other recognized test standards. In the absence of recognized and accepted test methods for the proposed alternate, the Building Official shall determine test procedures.

All tests shall be made by an approved agency. Reports of such tests shall be retained by the Building Official for the period required for the retention of public records.

**CHAPTER 2**  
**ORGANIZATION AND ENFORCEMENT**

**Powers and Duties of Building Official**

**201. (a) General.** The Building Official is hereby authorized and directed to enforce all the provisions of this code. For such purposes, the Building Official shall have the powers of a law enforcement officer.

**(b) Deputies.** In accordance with prescribed procedures, and with the approval of the appointing authority, the Building Official may appoint electrical inspectors and other related technical officers and inspectors and other employees as shall be authorized from time to time.

The Electrical Inspector shall be a competent person of good moral character; he shall have had at least a minimum of four (4) years experience as a Journeyman Electrician; he shall have adequate knowledge of current and approved methods and practices relating to electrical installations; and he shall have passed the examination for Journeyman Electricians.

The Electrical Inspector shall, when in the performance of their duties, carry a badge to be furnished by the City.

The Electrical Inspector shall not engage in the occupation of electrical wiring, nor have any financial or other interest in any electrical business doing electrical wiring, within the jurisdiction.

**(c) Right of Entry.** Whenever necessary to make an inspection to enforce the provisions of this code, or whenever the Building Official or an authorized representative has reasonable cause to believe that there exists in a building or upon a premises a condition or code violation which makes such building or premises unsafe, dangerous or hazardous, the Building Official, or an authorized representative, may enter such building or premises at all reasonable times to inspect the same, or to perform any duty imposed upon the Building Official by such codes, provided that if such building or premises be occupied, the Building Official shall first present proper credentials and request entry. If such building or premise is unoccupied, the Building Official or authorized representative, shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and request entry. If entry is refused, the Building Official, or an authorized representative, shall have recourse to every remedy provided by law to secure entry.

When the Building Official, or an authorized representative, shall have first obtained a proper inspection warrant, or other remedy provided by law, to secure entry, an owner or occupant or other persons having charge, care or control of the building or premises, shall not fail or neglect, after proper request is made as herein provided, to promptly permit entry herein by the Building Official, or authorized representative, for the purpose of inspection and examination, pursuant to this code.

**(d) Stop Orders.** Whenever work is being done contrary to the provisions of this code, the Electric Inspector may order the work stopped, by notice in writing served on persons engaged in doing the work to be done; and such persons shall forthwith stop such work until authorized by the Electrical Inspector to proceed with the work.

**(e) Authority to Disconnect Utilities in Emergencies.** The Building Official, or authorized representative, shall have the authority to disconnect electric power or energy service supplied to the building, structure, or building service equipment therein regulated by this code in case of emergency where necessary to eliminate an immediate hazard to life or property. The Building Official shall, whenever possible, notify the serving utility, the owner and occupant of the building, structure or electrical system, or equipment, of the decision to disconnect prior to taking such action, and shall notify the serving utility, owner and occupant of the building, structure or building service equipment, in writing, of the disconnection immediately thereafter.

**(f) Authority to Condemn Electrical System and Equipment.** Whenever the Electrical Inspector ascertains that an electrical system or equipment regulated in this code has become hazardous to life, health or property, the Electrical Inspector shall order, in writing, that such electrical system or equipment either be removed or restored to a safe condition, whichever is appropriate. The written notice itself shall fix a time limit for compliance with such order. Persons shall not use or maintain defective electrical system or equipment after receiving notice.

When equipment or an installation is to be disconnected, a written notice of such disconnection and causes therefor shall be given, within twenty-four (24) hours of the order to disconnect to the serving utility, the owner and occupants of the building, structure or premises.

When an electrical system or equipment is maintained in violation of this code and in violation of a notice issued pursuant to the provisions of this section, the Electrical Inspector shall institute appropriate action to prevent, restrain, correct, or abate the violation.

**(g) Connection after Order to Disconnect.** Persons shall not make connections from an energy or power supply, nor supply power to an electrical system or equipment, which has been disconnected or ordered to be disconnected, by the Electrical Inspector, or the use of which has been ordered to be discontinued by the Electrical Inspector, until the Electrical Inspector authorizes the reconnection and use of the electrical system or equipment.

**(h) Liability.** The Building Official, or an authorized representative charged with the enforcement of this code, acting in good faith and without malice in the discharge of duties, shall not hereby render the Building Official, or authorized representative, personally liable for any damage that may accrue to persons or property as a result of an act or by reason of an act or omission in the discharge of duties. A suit brought against the Building Official or employee because of an act or omission performed by the Building Official in the enforcement of provisions of this code shall be defended by legal counsel provided by this jurisdiction until final termination of such proceedings.

This code shall not be construed to relieve from or lessen the responsibility of a person owning, operating or controlling any building, structure or building service equipment therein, for any damages to persons or property caused by defects, nor shall the code enforcement agency be held as assuming such liability by reason of the inspections authorized by this code or approvals issued under this code.

**(i) Cooperation of Other Officials and Officers.** The Building Official may request, and shall receive, so far as is required in the discharge of duties, the assistance and cooperation of other officials of this jurisdiction.

## **Unsafe Electrical Systems or Equipment**

**202.** Electrical systems or equipment regulated by this code which are unsafe, or which constitute a fire hazard, or are otherwise dangerous to human life are, for the purpose of this section, unsafe. Use of electrical systems or equipment regulated by this code constituting a hazard to safety, health, or public welfare by reason of inadequate maintenance, dilapidation, obsolescence, fire hazard, disaster, damage, or abandonment is, for the purpose of this section, an unsafe use.

Unsafe electrical systems or equipment are hereby declared to be public nuisances and shall be abated by repair, rehabilitation, demolition or removal, in accordance with the procedures set forth in the Uniform Code for the Abatement of Dangerous Buildings or an alternate procedure as may be adopted by this jurisdiction. As an alternative, the Building Official, or other employee, or Official of this jurisdiction as designated by the governing body, may institute other appropriate action to prevent, restrain, correct, or abate the violation.

## **Board of Appeals**

**203. General.** The Board of Appeals may hear appeals of any decision of the building official or his/her representatives regarding the electrical, mechanical, plumbing, or swimming pool ordinance. The board does not have the authority to waive code requirements, but may consider alternate materials and methods for the purpose of complying with the provisions of this code. The board shall be as is established in the Municipal Code, Article V, Division 3, Sections 8-391 through 8-407 for the Mechanical, Plumbing, Electrical and Swimming Pool Board of Appeals.

## **Violations**

**204. Unlawful Acts.** It shall be unlawful for any person, firm or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use or maintain an electrical system or equipment or cause or permit the same to be done in violation of this code.

**204.1 Notice of Violation.** The building official, or his/her representative, is authorized to serve a notice of violation or order on the person responsible for an unlawful act. Such order shall direct the discontinuance of the illegal action and the abatement of the violation.

**204.2 Prosecution of Violation.** If the notice of violation is not complied with promptly, the building official, or his/her representative, is authorized to issue citations, or to request the legal counsel of the jurisdiction to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful act.

**204.3 Violation Penalties.** A person who violates a provision of this code or fails to comply with any of the requirements thereof or who performs electrical work in violation of this Code shall be subject to penalties as prescribed by law. Any such violation shall be a



misdemeanor and upon conviction thereof, shall be punishable by a fine, not to exceed \$500. Each day a violation of any of the provisions of this Code is committed, or each day any such violation continues, shall constitute a separate offense and shall be subject to prosecution as stated above.

### CHAPTER 3 PERMITS AND INSPECTIONS

#### Permits

**301. (a) Permits Required.** Except as specified in Subsection (b) of this section, no electrical system regulated by this code shall be installed, altered, repaired, replaced or remodeled, unless a separate electrical permit for each building or structure has first been obtained from the Building Official. All wiring in the City shall be done under the supervision of a Master Electrician, except as otherwise provided in Sec. 301 (c) 1.

**(b) Exempt Work.** An electrical permit shall not be required for the following:

1. Portable motors or other portable appliances energized by means of a cord or cable having an attachment plug end to be connected to an approved receptacle when that cord or cable is permitted by this code.
2. Repair or replacement of fixed motors, transformers or fixed approved appliances of the same type and rating in the same location.
3. Temporary decorative lighting.
4. Repair or replacement of current-carrying parts of any switch, contactor or control device.
5. Reinstallation of attachment plug receptacles, but not the outlets therefor.
6. Repair or replacement of any overcurrent device of the required capacity, in the same location.
7. Repair or replacement of electrodes or transformers of the same size and capacity for signs or gas tube systems.
8. Taping joints.
9. Removal of electrical wiring.
10. Temporary wiring for experimental purposes in suitable experimental laboratories.
11. The wiring for temporary theater, motion picture or television stage sets.
12. Low-energy power, control and signal circuits of Classes II and III, as defined in this code.
13. A permit shall not be required for the installation, alteration or repair of electrical wiring, apparatus, or equipment or the generation, transmission, distribution or metering of electrical energy or in the operation of signals or the transmission of intelligence by a public or private utility in the exercise of its function as a serving utility and placed upon easements of such company.
14. Reference 90-2 (b) (5). Installations, including associated lighting, under the exclusive control of electric utilities for the purpose of communications, metering, generation, control, transformation, transmission, or distribution of electric energy.

Such installations shall be located in buildings used exclusively by utilities for such purposes; outdoors on property owned or leased by the utility; on or along public highways, streets, roads, etc.; or outdoors on private property by established rights such as easements. Utility companies shall provide documentation of easements, prior to commencing work for outdoor lighting. At any time a lighting system is no longer under the control of the utility company, the system shall be modified to meet the National Electrical Code. **EXCEPTION:** Single pole guard lights do not require written documentation to be filed with the City of Abilene Building Inspection Department.

15. A permit shall not be required for the installation or repair of electrical wiring, apparatus, or equipment, pertaining to exterior, underground airport lighting and airport signs.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of this code, or any other law, or ordinances of this jurisdiction.

**(c) Permit - Required; Exceptions to Licensing Requirement.**

1. Any homeowner personally installing electrical conductors or equipment within his own home; provided, that the owner shall file with the Electrical Inspector approved plans and specifications, shall satisfy the Electrical Inspector as to his ability to install electrical wiring, shall apply for and secure a permit, shall pay the required fees, shall do work in accordance with this chapter and shall request the required inspections and obtain a certificate of approval.  
Personal installation by an owner under this subsection shall be by himself, for himself, on his homestead premises.  
No homeowner shall be issued a permit under the provisions of this subsection more frequently than once each two (2) calendar years.
2. No person shall be allowed to obtain a permit unless that person or company is registered as per Section 8-161, of the Municipal Code, Article IV, Licenses and Registration.
3. Each joint venture shall file with City of Abilene Building Inspections, an affidavit that clearly identifies the legal or equitable owners of each business participating in the joint venture and identifying the job the joint venture is to perform electrical services at.

**Permit Information**

**302. (a) Application.** To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the code enforcement agency for that purpose. Every such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done, by legal description, street address or similar description, which will readily identify and definitely locate the proposed building or work.

3. Indicate the use or occupancy for which the proposed work is intended.
4. Be accompanied by plans, diagrams, computations and specifications and other data as required in Subsection (b) of this section.
5. Be signed by permittee, or authorized agent.
6. Give such other data and information as may be required by the Electrical Inspector

**(b) Exception:** The Electrical Inspector may waive the submission of plans, calculations, etc., if the Electrical Inspector finds that the nature of the work applied for is such that reviewing of plans is not necessary to obtain compliance with this code.

**(c) Information on Plans and Specifications.** Plans and specifications shall be drawn to scale upon substantial paper or cloth and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed, and show in detail that it will conform to the provisions of this code and all relevant laws, ordinances, rules and regulations.

Plans for buildings more than two stories in height of other than Groups R, Division 3 and U Occupancies shall indicate how required structural and fire-resistive integrity will be maintained where a penetration will be made for electrical and communication conduits, pipes and similar systems.

**(d) Permit by Phone with Charge Account.**

1. A deposit of not less than one hundred fifty dollars (\$150.00) shall be made with the City of Abilene by the applicant.
2. An account shall be kept for each applicant by the office of the Building Official, said records are shall be subject to the approval of the accounting and auditing department.
3. No part of such deposit shall be applied to the account of any applicant.
4. Every applicant shall be billed each month for the total balance of his account and the official written permit shall be enclosed therein.
5. All accounts shall be payable within ten (10) days after the billing date; any account not paid within ten (10) days shall not be eligible for further issuance of permits pursuant to this section, and the applicant's deposit shall be forfeited to the City.

**(e) Permit by Voucher.** Permits may also be obtained in accordance with the Procedural Guidelines for the **Voucher Permit Program**.

**Permits Issuance**

**303. (a) Issuance.** The application, plans and specifications, and other data, filed by an applicant for permit, shall be reviewed by the Electrical Inspector. Such plans may be reviewed by other departments of this jurisdiction to verify compliance with any applicable laws under their jurisdiction. If the Building Official finds that the work described in an application for a permit and the plans, specifications and other data filed therewith conform to the requirements of this code and other pertinent laws and ordinances, and that the fees specified in Section 304 have been paid, the Electrical Inspector shall issue a permit therefor to the applicant.

When the Building Official issues a permit, the plans and specifications shall be endorsed in writing or stamped "REVIEWED". Such approved plans and specifications shall not be changed, modified or altered without authorizations from the Electrical Inspector, and all work regulated by this code shall be done in accordance with the approved plans.

The Building Official may issue a permit for the construction of part of an electrical system before the entire plans and specifications for the whole system have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holders of such permits shall proceed at their own risk, without assurance that the permit for the entire building, structure or building service will be granted.

**(b) Retention of Plans.** One set of approved plans, specifications and computations shall be retained by the Building Official until final approval of the work covered therein. One set of approved plans and specifications shall be returned to the applicant and shall be kept on the site of the building or work at all time during which the work authorized thereby is in progress.

**(c) Validity of Permit.** The issuance of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code, or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

The issuance of a permit based upon plans, specifications and other data shall not prevent the Electrical Inspector from thereafter requiring the correction of errors in said plans, specifications and other data, or from preventing building operations being carried on thereunder when in violation of these codes or any other ordinances of this jurisdiction.

**(d) Expiration.** Every permit issued by the Building Official under the provisions of this code shall expire by limitation and become null and void, if the building or work authorized by such permit is not commenced within one hundred eighty days (180) days. Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefor shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work; and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee.

A permittee holding an unexpired permit may apply for an extension of the time within which work may be commenced under that permit when the permittee is unable to commence work within the time required by this section for good and satisfactory reasons. The Building Official may extend the time for action by the permittee for a period not exceeding one hundred eighty (180) days upon written request by the permittee showing that circumstances beyond the control of the permittee have prevented action from being taken.

If a building has not received a final inspection within sixty (60) days after completion of the building, the permit shall expire, and may be renewed only after a fee amounting to the sum of the original permit fee has been paid; provided, however, the permit may be extended a reasonable length of time without charge, if application for extension has been made to the office of the Electrical Inspector before the expiration of permit.

(e) **Suspension or Revocation.** The Electrical Inspector may, in writing, suspend or revoke a permit issued under the provisions of this code whenever the permit is issued in error or on the basis of incorrect information supplied, or in violation of any ordinance or regulation of the jurisdiction.

## **Fees**

304 (a) **Permit Fees.** Permit fees shall be set by the City Council by resolution.

### **(b) Investigation Fees: Work Without a Permit.**

1. **Investigation.** Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work.
2. **Fee.** An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The investigation fee shall be equal to the amount of the permit fee that would be required by this code if a permit were to be issued. The payment of such investigation fee shall not exempt any person from compliance with all other provisions of either this code nor from any penalty prescribed by law. Further work performed by the same contractor, without permits, will result in penalty and investigation fee of ten (10) times the amount of the permit fee required by this code, if a permit were to be issued. At the end of twelve (12) months from issuance of the ten (10) times fee, a contractor with no further violations shall be determined to start without previous penalties.

### **(c) Fee Refunds.**

1. The Building Official may authorize the refunding of any fee paid hereunder, which was erroneously paid or collected.
2. The Building Official may authorize the refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. The Building Official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than one hundred eighty (180) days after the date of fee payment.

## **Inspections**

305. (a) **General.** All electrical systems and equipment for which a permit is required by this code shall be subject to inspection by the Electrical Inspector, and the electrical system shall remain accessible and exposed for inspection purposes until approved by the Electrical Inspector.

It shall be the duty of the permit applicant to cause the electrical system to remain accessible and exposed for inspection purposes. Neither the Electrical Inspector nor the jurisdiction shall be liable for the expense entailed in the removal or replacement of any material

required to allow an inspection. When the installation of an electrical system and equipment is complete, an additional and final inspection shall be made.

Electrical systems and equipment regulated by this code shall not be connected to the energy source until authorized by the Electrical Inspector.

Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel provisions of this code or of other ordinances of the jurisdiction shall not be valid.

**(b) Inspection Requests.** It shall be the duty of the person doing the work authorized by a permit to notify the Electrical Inspector that such work is ready for inspection. The Electrical Inspector may require that every request for inspection be filed at least one working day before such inspection is desired. Such request may be in writing or by telephone at the option of the Electrical Inspector.

It shall be the duty of the person requesting inspections required by this code to provide access to and means for inspection of such work.

**(c) Operation of Electrical Equipment.** The requirements of this section shall not be construed to prohibit the operation of any electrical system or equipment installed to replace existing equipment. The request for inspection of such equipment must have been filed with the Electrical Inspector not more than forty eight (48) hours after such replacement work is completed and before any portion of such electrical system is concealed by any permanent portion of the building.

**(d) Other Inspections.** In addition to the called inspections required by this code, the Electrical Inspector may make or require other inspections of any work to ascertain compliance with the provisions of this code and other laws, which are enforced by the code enforcement agency.

**(e) Reinspections.** A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when corrections called for are not made.

This provision is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or reinspection.

Reinspection fees may be assessed when the approved plans are not readily available to the Inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the approval of the Electrical Inspector.

To obtain a reinspection, the applicant shall file an application therefore in writing, or by phone, and pay the reinspection fee in accordance with the fees adopted by the City Council.

In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

## Connection Approval

306 (a) **Energy Connections.** An electrical system or equipment regulated by this code for which a permit is required shall not be connected to a source of energy until approved by the Electrical Inspector.

(b) **Temporary Connections.** The Electrical Inspector may authorize the temporary connection of an electrical system or equipment to the source of energy or power for the purpose of testing equipment or for use under a temporary certificate of occupancy. Permits for temporary service shall be issued to the electrical contractor, and shall be limited to ninety (90) days. Additional extensions for temporary services may be renewed for single periods of thirty (30) days each for a fee of five dollars (\$5.00) for each renewal and for a maximum extension time of ninety (90) days. The owner, or legal representative of the owner, shall acknowledge temporary service restrictions in writing on the building permit application, or must file an Affidavit for temporary service utility release, with the office of the Electrical Inspector, prior to the electrical contractor requesting a temporary service permit and inspection.

## CHAPTER 4 LICENSE REQUIREMENTS

### License

401. (a) **License Required.** No person shall engage in the business of master, journeyman, residential, sign, maintenance, or apprentice electrician unless he possesses a valid license issued by:

1. the City of Abilene, or
2. the State of Texas Department of Licensing and Regulation.

(b) **Local License.** As of the effective date of this ordinance, the City of Abilene will no longer issue new master, journeyman, residential, sign or maintenance electrical licenses. The City of Abilene may issue an apprentice electrical license upon application and the payment of the required fee of \$10.00.

(c) **Renewal.** The certificate of qualification may be renewed by paying to the Secretary of the Board the required fee within ten (10) days after the expiration date of the old certificate. A certificate of qualification may be renewed within a period of ninety days after expiration by paying the required fee, plus a penalty fee. A certificate of qualification may be renewed within one (1) year after the expiration date by paying the required fee plus a penalty fee. Certificates, which are more than one year past the expiration date, may not be renewed.

A master electrician may elect at the time of renewal to obtain an "Inactive" license. Inactive status prohibits the master electrician from doing electrical work, or engaging in the business of a master electrician. An active master's license may be renewed upon expiration of the inactive license and payment of the appropriate fees, or if renewed to active status prior to expiration of the inactive license, by payment of the initial master electrician fee of \$200.00. Fee and penalties are as follows:

<u>TYPE OF LICENSE</u>	<u>RENEWAL FEE</u>	<u>90-DAY PENALTY</u>	<u>ONE YEAR PENALTY</u>
Master	50.00	40.00	70.00
Journeyman	25.00	10.00	20.00
Residential	25.00	10.00	20.00
Sign	25.00	10.00	20.00
Apprentice	10.00	n/a	n/a
Maintenance	10.00	n/a	n/a
Inactive Master	25.00	n/a	n/a

**(d) Transferability.** A certificate of qualification shall be issued to an individual and shall not be assignable.

**(e) Proof of License.** No person shall engage in the occupation of electrician of any type required by this code without having his current certificate of qualification, or state license in his possession.

**(f) Bond Requirements.** Any person desiring to engage in the business of an electrical contractor, shall first file with the Building Official of the city, a surety bond in the penal sum of five thousand dollars (\$5,000.00) to be approved by the City Manager, payable to the City of Abilene, and conditioned on a faithful performance of all of the provisions and regulations of the electrical code, this chapter, and all other ordinances of the city, and the surety on such bond shall be a company authorized to transact business in the state.

**(g) Insurance Requirements.** Any person desiring to engage in the business of an electrical contractor, shall first file with the Building Official of the City, a certificate of insurance providing for commercial general liability insurance, with a coverage amount of not less than \$300,000.00 for all claims arising in any one year.

**(h) Display of License.** Each licensed contractor doing business shall display their company name in letters, not less than two inches in height on both sides of all vehicles.

## Limited Licenses

### 402. Specific Limitations

**(a) Sign Electricians:** No person shall manufacture or install luminous gas or electric discharge signs or other electrical signs of any type unless he or one member of his firm holds a sign electrician license from the building inspection division, or shall hold a current state license.

**(b) Apprentice Electrician:** Apprentice electricians must not work by themselves, but only under the supervision of a licensed master or journeyman electrician. Any unlicensed person found doing any electrical work will be subject to such penalties as provided by Section 8-3 of the Code of Ordinances of the City of Abilene. If the unlicensed person is working for a master electrician, the master is held responsible.



○ (c) **Maintenance Electricians:** Persons who are employed to maintain and repair existing electrical systems in a particular building in accordance with Exemptions stated in Sec. 301(b).

### **Suspension or Revocation of Certificate**

403. (a) Any person holding any license or certificate of qualification under this chapter who violates any provision herein shall be subject to having his license or certificate of qualification suspended or revoked by the Building Official, or his authorized representative, in the manner hereinafter provided.

(b) Upon receiving notice or evidence that a person licensed under this chapter has violated some provision of this chapter, the Building Official or his authorized representative shall investigate such alleged violation. After investigation, the Building Official, or his authorized representative, may suspend, forfeit or revoke the license of such person if due cause is found. The decision of the Building Official, or his authorized representative, shall be in writing and a copy of the decision shall be sent to the alleged violator. The written decision shall contain the evidence, findings and the imposition of such penalties as allowed by this code.

(c) When the suspension or revocation of a license as provided by this section results from violation of this code, the person shall be prohibited from correcting the deficiencies from which the suspension or revocation resulted. If, after the imposition of the suspension or revocation of the license of such person, the required corrections are made by an approved, qualified person, then upon presentation to the Building Official or authorized representatives that the corrections have been made, the Building Official, or his authorized representative, may withdraw the order suspending or revoking the license of such person.

(d) A suspension of a license shall not be for a period exceeding eleven calendar months. Where the suspension period termination date is in the calendar year following the calendar year in which the suspension became effective, then at such time that the suspension ends, such person may renew his license as if the suspension had not occurred.

*The following provisions are amendments to the 2005 National Electric Code:*

**CHAPTER 2  
WIRING AND PROTECTION**

**ARTICLE 210  
Branch Circuits**

**210.11 Branch Circuits Required.**

**(C) Dwelling Units.**

**(1) Small-Appliance Branch Circuits.** *{Add the following.}*

(a) The small appliance circuits, as called for in the National Electrical Code, shall contain no more than six (6) outlets per circuit; provided further, that the circuit conductor shall not be smaller than number twelve AWG. Loads shall be balanced.

**210.63 Heating, Air-Conditioning, and Refrigeration Equipment Outlet.**

*{Amend the exception to number it as 1, add the following Exceptions 2 and 3 to this Article.}*

**Exception: No. 1:**

**Exception No. 2:** Equipment Replacement. If the required receptacle outlet is existing and on the same level, it shall be within seventy-five feet of the unit(s) and GFCI protected.

**Exception No. 3:** Equipment Replacement. One and two-family dwellings. Not required at locations built prior to 1975.

**ARTICLE 220  
Branch-Circuit, Feeder, and Service Calculations**

**220.14 Other Loads – All Occupancies**

**(J) Dwelling Occupancies**

*{Add the following.}*

(4) General purpose circuits for residential wiring shall contain no more than six (6) outlets per circuit.

**Exception:** Where central heat and air are existing, or are being added, this may be increased to no more than ten (10) outlets per circuit.

**ARTICLE 230  
Services**

**230.23 Size and Rating** *(Add the following exception)*

**Exception:** The use of aluminum wire is prohibited except for the following:

1. Aluminum wire may be used for service conductors, sizes three naught AWG (3/0) and larger.
2. Aerial conductors, (six 6 AWG) or larger.

**230.28 Service Masts as Supports.** *{Add the following sentence at the end of paragraph.}*

The riser shall be a minimum of two (2) inch rigid steel conduit or IMC.

- 230.40 **Number of Service-Entrance Conductor Sets.**  
Exception No. 3: *{Delete this exception in its entirety.}*

**CHAPTER 3  
WIRING METHODS AND MATERIALS**

**ARTICLE 334  
Nonmetallic-Sheathed Cable:  
Types NM, NMC, and NMS**

**334.12 Uses Not Permitted. *{Add the following.}***

11. In other than residential structures, as defined in the City of Abilene Building Code, that are less than 5,000 square feet that are not constructed of convention wood frame construction.
12. In other than residential structures, as defined in the City of Abilene Building Code, 5,000 square feet or greater or when a addition to an existing structure increases the total building to 5,000 square feet or greater.
13. In other than residential structures, as defined in the City of Abilene Building Code, with a wiring system greater than 277 volts to ground and/or greater than a 400 Amp Service.

**CHAPTER 4  
EQUIPMENT FOR GENERAL USE**

**ARTICLE 410  
Luminaires (Lighting Fixtures), Lampholders, and Lamps**

**410.4 Luminaires (Fixtures) in Specific Locations. *{Add the following.}***

- (E) Pull chain luminaires shall not be installed over sinks or lavatories, regardless of the wiring method used.

**CHAPTER 6  
SPECIAL EQUIPMENT**

**ARTICLE 680  
Swimming Pools, Fountains, and Similar Installations**

○ **680.23 Underwater Luminaires (Lighting Fixtures).**

(A) **General.**

(4) **Voltage Limitations. *{Add the following Exception.}***

**Exception:** Luminaires and electrical equipment exceeding twelve (12) volts between conductors shall not be installed within five (5) feet of the inside walls of a pool.

# APPENDIX A

## Excerpts from the 2000 International Energy Conservation Code To be inserted into the 2002 National Electrical Code

### CHAPTER 5 RESIDENTIAL BUILDING DESIGN BY COMPONENT PERFORMANCE APPROACH

#### Section 505 Electrical Power and Lighting

**505.1 Electrical energy consumption.** In Type A-2 residential buildings having individual dwelling units, provisions shall be made to determine the electrical energy consumed by each tenant by separately metering individual dwelling units.

**505.2 Lighting power budget.** The lighting system shall meet the applicable provisions of Section 805.

**Exception:** Type A-1 residential buildings and the dwelling portion of Type A-2 residential buildings.

### CHAPTER 8 DESIGN BY ACCEPTABLE PRACTICE FOR COMMERCIAL BUILDINGS

#### Section 802 Building Envelope Requirements

*{Add the following new section.}*

**802.3.6 Recessed lighting fixtures.** When installed in the building envelope, recessed lighting fixtures shall meet one of the following requirements:

1. Type IC rated, manufactured with no penetrations between the inside of the recessed fixture and ceiling cavity and sealed or gasketed to prevent air leakage into the unconditioned space.
2. Type IC or non-IC rated, installed inside a sealed box constructed from a minimum 0.5-inch thick (12.7 mm) gypsum wallboard or constructed from a preformed polymeric vapor barrier, or other air-tight assembly manufactured for this purpose, while maintaining required clearances of not less than 0.5-inch (12.7 mm) from combustible material and not less than 3 inches (76 mm) from insulation material.
3. Type IC rated, in accordance with ASTM E283 admitting no more than 2.0 cfm (0.944 L/s) of air movement from the conditioned space to the ceiling cavity. The lighting fixture shall be tested at 1.57 lbs./ft.<sup>2</sup> (75 Pa) pressure difference and shall be labeled.

**Section 805**  
**Lighting Systems**

**805.1 General.** This section covers lighting system controls, the connection of ballasts, the maximum lighting power for interior applications, and minimum acceptable lighting equipment for exterior applications.

**805.2 Lighting controls.** Lighting systems shall be provided with controls as required in Sections 805.2.1 and 805.2.2.

**805.2.1 Interior lighting controls.** Each area enclosed by walls or floor-to-ceiling partitions shall have at least one manual control for the lighting serving that area. The required controls shall be located within the area served by the controls or by a remote switch that identifies the lights served and indicates their status.

**Exceptions:**

1. Areas designated as security or emergency areas that must be continuously lighted.
2. Lighting in stairways or corridors that are elements of the means of egress.

**805.2.1.1 Bi-level switching.** Each area that is required to have a manual control shall also allow the occupants to reduce the connected lighting load in a reasonably uniform illumination pattern by at least 50 percent.

**Exceptions: {Amend to read as follows.}**

1. Areas that have 4 or less luminaires.
2. Areas that are controlled by an occupant-sensing device.
3. Corridors, storerooms, rest rooms, or public lobbies.
4. Guest rooms.

**805.2.1.2 Guest rooms.** Guest rooms in hotels, motels, boarding houses or similar buildings shall have at least one master switch at the main entry door that controls all permanently wired lighting fixtures and switched receptacles, except those in the bathroom(s). Suites shall have a control meeting these requirements at the entry to each room or at the primary entry to the suite.

**805.2.2 Exterior lighting controls.** Automatic switching or photocell controls shall be provided for all exterior lighting not intended for 24-hour operation. Automatic time switches shall have a combination seven-day and seasonal daylight program schedule adjustment, and a minimum 4-hour power backup.

**805.3 Tandem wiring.** One-or three-lamp fluorescent fixtures that are pendant – or surface – mounted in continuous rows or recess mounted in an accessible ceiling and within 10 feet (3048 mm) of each other shall be tandem wired.

**Exceptions:**

1. Where electronic high-frequency ballasts are used.
2. Luminaires not on the same switch control or in the same area.

**805.4 Interior lighting power requirements.** A building complies with this section if its total connected lighting power calculated under Section 805.4.1 is no greater than the interior lighting power calculated under Section 805.4.2.

**805.4.1 Total connected interior lighting power.** The total connected interior lighting power (Watts) shall be the sum of the watts of all interior lighting equipment as determined according to Sections 805.4.1.1 through 805.4.1.4.

**Exceptions:** The connected power associated with the following lighting equipment is not included in calculating total connected lighting power.

1. Specialized medical, dental, and research lighting.
2. Professional sports arena playing field lighting.
3. Display lighting for exhibits in galleries, museums, and monuments.
4. Guest room lighting in hotels, motels, boarding houses, or similar buildings.
5. Emergency lighting automatically off during normal building operations.

**805.4.1.1 Screw lamp holders.** The wattage shall be the maximum labeled wattage of the luminaire.

**805.4.1.2 Low-voltage lighting.** The wattage shall be the specified wattage of the transformer supplying the system.

**805.4.1.3 Other luminaires.** The wattage of all other lighting equipment shall be the wattage of the lighting equipment verified through data furnished by the manufacturer or other approved sources.

**805.4.1.4 Line-voltage lighting track and plug-in busway.** The wattage shall be the greater of the wattage of the luminaires determined according to Sections 805.4.1.1 through 805.4.1.3 or 30 W/linear feet (98W/lin m).

**805.4.2 Interior lighting power.** The interior lighting power shall be calculated using Section 805.4.2.1 or 805.4.2.2 as applicable.

**805.4.2.1 Entire building method.** Under this approach, the interior lighting power (Watts) is the value from Table 805.4.2 for the building type times the conditioned floor area of the entire building.

**805.4.2.2 Tenant area or portion of building method.** The total interior lighting power (Watts) is the sum of all interior lighting powers for all areas in the building covered in this permit. The interior lighting power is the conditioned floor area for each area type listed in Table 805.4.2 times the value from Table 805.4.2 for that area. For the purposes of this method, an "area" shall be defined as all contiguous spaces which accommodate or are associated with a single area type as listed in Table 805.4.2. When this method is used to calculate the total interior lighting power for an entire building, each area type shall be treated as a separate area.

○ **805.5 Exterior lighting.** When the power for exterior lighting is supplied through the energy service to the building, all exterior lighting, other than low-voltage landscape lighting, shall have a source efficacy of at least 45 lumens per watt.

**Exception:** Where approved because of historical, safety, signage, or emergency considerations.

## APPENDIX B

### **CITY OF ABILENE** **ELECTRICAL PERMIT FEES**

Minimum Permit Fee	30.00
Reinspection Fee	30.00
Electrical Device	.30
Lighting Fixture (includes opening)	.55
Fixed or Stationary Appliances	5.00
Exhaust or Ventilation Fan (fractional motor)	2.00
Gas Pump/Dispenser	5.00
Electric Welder	2.00
Motors Fractional up to 3 HP	1.50
Motors Fractional 3 to 5 HP	3.00
Motors Above 5 HP	5.00
Condenser Units/Chillers 3 Ton or less	5.00
Condenser Units/Chillers 3 to 5 Ton	6.00
Condenser Units/Chillers greater than 5 Ton	7.00
Lighted Signs - Pole Mounted	20.00
Lighted Signs - Exterior Building Mounted	5.00
Lighted Signs - Interior	2.50
Electric Heat per kw	.50
Buss Duct per foot	.50
Multi Outlet Assembly - First Circuit	1.00
Multi Outlet Assembly - Additional Circuit	.50
Temporary Power Pole	30.00
Temporary Service	30.00
New Service (per meter)	25.00
Service (Move, Change, Alter)	25.00
Generator	15.00
Elevators, Dumbwaiters	10.00
Area Lighting Poles up to 10' (less fixtures)	2.00
Area Lighting Poles above 10' (less fixtures)	4.00
Residential Permit - New or additions per sq.ft.	.04
Unfinished living space per sq.ft.	.03

#### **OTHER INSPECTIONS AND FEES**

Inspections outside of normal business hours (Minimum Charge-one hour)	\$50.00
Special Request Inspections (Minimum Charge-one hour)	50.00
Board of Building Standards and Mechanical, Plumbing, Electrical, and Swimming Pool Board of Appeals request for hearing for alternate methods and materials	50.00
Contractor's Registration (annually, due by December 31 of each year)	50.00

*\* These fees were established by Resolution #22-2004 and may be amended from time to time by Resolution as Council sees fit.*