

ORDINANCE NO. 298

AN ORDINANCE TO BE KNOWN AS THE ELECTRICAL CODE REGULATING THE SALE, LEASE, RENTAL, INSTALLATION, REPAIR, USE AND REMOVAL OF ELECTRICAL WIRING, AND EQUIPMENT, PROVIDING A PENALTY FOR VIOLATION THEREOF AND DECLARING AN EMERGENCY.

THE CITY OF BEAVERTON DOES ORDAIN AS FOLLOWS:

Part I - ADMINISTRATIVE PROVISIONS

Section 1 - Title of Ordinance.

This Ordinance shall be known as the "Electrical Code" of the City of Beaverton.

Section 2. - Object and Scope of Code.

(a) The object of this Code is to reduce the personal hazard and the fire hazard from electrical causes. To accomplish this, the requirements set forth herein are intended to provide a minimum standard for electrical wiring and equipment in the City of Beaverton.

(b) The regulations of this Code shall apply to all electrical wiring and equipment installed, used, maintained, rented, leased or offered for sale or distributed for use in the City of Beaverton except wiring and equipment which is used for the generation, control, distribution or communication system of a utility and which is installed by or for, and owned, and maintained, by a railway, electric or communication utility operating under due authority granted by the City; provided, however, that these regulations except as to licensing and permits shall apply to all such wiring and equipment installed in or on the consumer's premises. Electrical wiring and equipment in federal buildings, mines, ships, railway cars, or automobiles are exempt from the requirements of this Code.

Section 3 - Enforcement of Code

The Electrical Division of the Bureau of Buildings shall be responsible for the enforcement of this Code.

Section 4 - Effective Date of Code

(a) It is hereby provided that this Code shall become effective on and after July 10, 1950.

(b) Any electrical work, for which a permit was obtained before the date on which this Code becomes effective, may be installed and completed in accordance with the laws and regulations therefor which were in effect at the time of issuance of any such permit and this provision shall apply to additional or supplementary permits necessary for the completion of any such installation in the event that such original permit is in full force and effect at the time of issuance of any such additional or supplemental permit.

Section 5 - Inspection of new Electrical Work.

(a) Electrical wiring shall not be inspected until the structural frame work and piping to be concealed have been approved.

(b) The Inspector shall be notified in writing by the person doing work, first when roughing-in work is completed, and again when the entire work is completed; in both cases within forty-eight (48) hours after the completion of said work. The Inspector, or his deputy, shall inspect the same within forty-eight (48) hours, not including Sundays or holidays, after receipt of such notice, and if

said work conforms in all respects with the provisions of Oregon State Code he shall attach a notice of approval.

All permits must be taken out and inspection called for before 9:00 A.M. in order to have inspection made the same day. If telephone order is sent in, confirmation in writing must immediately follow. The Electrical Division will not be held responsible for delay in inspection on telephone order.

(c) No electrical wiring shall be covered or concealed until the said forty-eight (48) hours have expired after notice to inspect has been received, or until the Inspector has given approval. Should the Inspector condemn any of said work or equipment as not being in accordance with the provisions of Oregon State Code, notice in writing shall be given by him to the person engaged in the work. Within 15 days after notification thereof, or within such further reasonable time as may, upon request, be prescribed, such work or equipment shall be altered or removed as the case may require, and necessary changes shall be made so that all such work and equipment shall fully comply with the provisions of Oregon State Code. In default, said electrical contractor shall be liable to the penalties of this Code, and any and every owner, contractor or other person engaged in the construction of the building or structure, or otherwise, covering or allowing to be covered such portion of work or equipment or removing any notice not to cover, same placed thereon by the Inspector, shall likewise be liable to the penalties of Oregon State Code. Failure of the Inspector to make inspection as prescribed above, within forty-eight (48) hours, may be construed to mean permission to the owner, contractor or other person engaged in the construction of the building or structure, or otherwise, to proceed with the construction of the building.

Section 6 - Inspection of Existing Electrical Installations.

(a) The Inspector is hereby empowered to inspect all wiring, appliances, devices and equipment coming within the scope of Oregon State Code. When the installation of any such wiring, appliances, devices and equipment is found to be in a dangerous or unsafe condition, the person, firm or corporation owning, using or operating the same shall be notified and shall make the necessary repairs or changes required to place such wiring, appliances, devices and equipment in as safe condition and have such work completed within 15 days after notification thereof, or within such further reasonable time as may, upon request, be prescribed.

(b) The Inspector is hereby empowered to disconnect or order the discontinuance of electrical service to such conductors or apparatus found to be in a dangerous or unsafe condition, or to have been installed without a permit, or not in accordance with the provisions of Oregon State Code. He shall thereupon attach a notice which states that such conductors or apparatus have been disconnected because of their having been found unsafe to life or property, and it shall be unlawful for any person to remove said notice of disconnection or to reconnect such defective conductors or apparatus until the same have been placed in a safe and secure condition and have been approved by the Inspector.

Section 7 - Certificate of Final Inspection and Approval for Service.

(a) The Inspector shall, upon request, issue a certificate of final inspection when the electrical installation is completed and found to comply with Oregon State Code. No certificate shall be issued on any incomplete work.

(b) It shall be unlawful for any person to make any electrical connection to any electrical equipment until approval has been given by the Inspector. The Inspector is hereby authorized to disconnect any electrical installation or equipment which has been connected before the approval for service has been given. He shall thereupon attach a notice which shall state that the wiring or apparatus has been disconnected by the Electrical Inspector, and any person removing said notice or reconnecting said wiring or apparatus before the same has been approved by the Inspector shall be liable to the penalties of this Oregon State Code.

To avoid a delay in service connection or an interruption of service in the case of certain range or water heater installation an emergency service label in the form of a green tag will be furnished by the Electrical Division to responsible electrical contractors. This label when signed by the contractor or his representative and bearing an emergency number issued by the Electrical Division will authorize serving agency to make connection pending final approval by the Inspector.

(c) All necessary cutouts, cutout boxes or cabinets, fuses, switches, flush receptacles and other materials and devices shall be installed and all outlets properly connected before any certificate of final inspection will be issued.

Section 8 - Temporary Use of Electric Current

(a) The Inspector is hereby empowered and authorized to permit and approve the temporary use of electrical current through any wiring or apparatus or fixtures, subject to the limitations and restrictions hereinafter prescribed in this section.

(b) No such temporary use of electric current shall be permitted in any case where such use will be a hazard to life and property.

(c) No such temporary use of electrical current shall be permitted for a longer period of time than is reasonably necessary to fully comply with the provisions of the Oregon State Code, and such period of time may be definitely fixed by the Inspector.

Section 9 - Electrical Installations to Conform to the Oregon State Code.

(a) All new electrical work shall conform to the requirements of the Oregon State Code. When an old electrical installation or any part of such installation is found, upon inspection, to be unsafe to life or property, the Electrical Inspector shall require that such portion of the installation as is found to be hazardous be reconstructed to conform to any or all of the requirements of the Oregon State Code.

(b) Installations which were made prior to the date on which the Oregon State Code became effective are not to be considered as being in violation of the Code until such time as the Electrical Inspector shall have notified the person responsible for such installations, of the existence of unsafe conditions.

(c) When any additions, alterations, or renewals of existing installations are made after the date on which the Oregon State Code became effective, that portion of the installations which is extended altered, or renewed, shall be made to conform to all of the applicable requirements contained herein.

(d) All installations shall be made in a neat, workmanlike manner, and shall be so designed, constructed, installed and maintained as to reduce the personal hazard and fire hazard as far as is reasonably possible.

Section 10 - Unlawful to Disturb Existing Wiring.

(a) It shall be unlawful for any person in any way to cut, disturb, alter or change any electrical wiring or to permit such electrical wiring to be cut, disturbed, altered or changed unless done in conformity with the provisions of the Oregon State Code, and no person shall place, or permit to be placed, any pipe, structure or material of any kind within one inch of open wiring, nor shall any person place, or permit to be placed, any stream, hot water or hot-air piping near any wiring if the temperature adjacent to such wiring will thereby be increased to more than 120° Fahrenheit.

Section 11 - Unlawful to Overfuse Conductors or Apparatus.

(a) It shall be unlawful for any person to overfuse any conductor, motor or apparatus in excess of the maximum allowed by the Oregon State Code for such conductor, motor or apparatus or to install any substitute in lieu of an approved fuse or circuit breaker or to interfere with any circuit or automatic device so as to remove or reduce the factor of the same.

Section 12 - Explanation of Code Requirements.

(a) The Electrical Inspector shall answer any relevant question concerning, or give any desired information in respect to, the meaning, intent, or application of the regulations and rules of the Oregon State Code. The Electrical Inspector (in his official capacity) is not, however, empowered to, and cannot lay out work or act in the capacity of consulting engineers for inexperienced contractors, mechanics or owners.

Section 13 - Right of Entry.

(a) The Inspector shall have the right during reasonable hours to enter any building in the discharge of his official duties, or for the purpose of making any inspection or test of the installation of electric wiring, electric devices and/or electrical material contained therein.

Section 14 - Non-Liability of City for Damages.

(a) This ordinance shall not be construed to relieve from or lessen responsibility of any person owning, operating or installing any electrical wires, appliances, apparatus, construction or equipment, for damages to any one injured by any defect therein; nor shall the City, or any Agent thereof, be held as assuming any such liability by reason of the inspection authorized herein or the Certificate of Inspection issued by the Electrical Division.

Section 15 - Validity of Ordinance.

(a) If any provision of the Oregon State Code shall be held void and unconstitutional, it is hereby provided that all other parts of the same which are not expressly held to be void or unconstitutional shall continue in full force and effect.

Section 16 - Penalty for Violation of the Oregon State Code.

(a) Any person, firm, company or corporation that violates, disobeys, omits, neglects or refuses to comply with, or resists, or opposes the execution of, or violates any of the provisions of, or who occupies or maintains any building or structure in which the electrical wiring and appliances are in violation of this ordinance, shall be punished by a fine not exceeding Five Hundred (\$500.00) Dollars, or by imprisonment of not more than six (6) months, or by both such fine and imprisonment, and every person, firm, company or corporation shall be deemed guilty of a separate offense for every day such violation, disobedience, neglect or refusal shall continue, and shall be subject to the penalty of this Section for each and every separate offense, and so much of any electrical installations as may be erected or altered in violation of this ordinance shall be condemned and removed at the expense of the person, firm, company or corporation erecting or altering the same.

PERMITS AND PERMIT FEES

Section 20 - Permit Required

(a) Before any electrical work covered by the Oregon State Code may be installed, altered or repaired, a permit shall be secured from the Electrical Division. Exceptions to this requirement are as follows:

1. Where the work to be done under any permit does not require immediate inspection, permits may be obtained not more than 48 hours (Sundays and holidays not included) from the time work is started.
2. Permits shall not be required for the installation, alteration or repair of wiring or equipment which is installed by or for, and owned and maintained, by a railway, electric or communication utility operating under due authority granted by the City; provided, however, that permits shall be required where any such work will involve changes or additions in customer owned wiring or equipment.
3. Permits will not ordinarily be required for servicing electrical equipment as described in Section 40 (a-3), nor for minor repair work, such as repairing flush and snap switches, replacing fuses, changing lamp socket and receptacles, taping bare joints and repairing drop cords, not for experimental electrical work of a temporary nature in testing laboratories of electrical shops, educational institutions, and the like, nor for wiring supplied with current by approved bell-ringing transformers.
4. Permits will not be required for the connection of temporary outdoor service equipment used for construction purposes provided such equipment has been listed and approved by the Electrical Division. The serving

agency shall not connect to any such service equipment unless an emergency service number is attached as provided in Section 7 (b) of the Oregon State Code.

Section 21 - Permit Applications.

(a) Applications for permits shall state the name of the building owner and location, the extent of work to be done thereunder, and the total installed wiring cost. The total installed wiring cost shall include the cost of installing any current consuming equipment (such as ranges, water heaters, oil burners, refrigerators, motors, and the like) but shall not include the cost of such equipment. Applications for permits shall be countersigned by the supervising electricians, except for maintenance and electronic equipment permits issued to persons holding the classes of license described in sub-paragraphs 2 and 4 of Section 40, and except for work performed by an owner.

(b) If any work authorized by any permit is not commenced within 60 days after the date thereof, such permit shall thereupon become void and of no effect.

Location must be given by street and number wherever practicable. This is obtainable in most cases for new as well as old buildings. Inspectors cannot waste time hunting the location of a job, with consequent delay in making inspections. Careful compliance with this rule will materially assist the Electrical Division in giving prompt service to contractors and the public and will avoid unnecessary delay and inconvenience to the electrical contractor, general contractor, occupant of building, and power company.

Section 22 - Permit to Owner.

(a) A permit to perform electrical work in or about his own building may be issued to an owner, provided that all work thereunder shall be performed by such person or by husband, brother, or son of such owner. The Electrical Inspector, however, shall not issue such permit unless the person who is to perform the work be named in the permit and appear before the Inspector and show by answering questions as may be asked by the Inspector or otherwise, that he has sufficient knowledge of the matter to properly perform such work.

(b) If it is apparent, from the character of the work performed, that an owner is not competent nor qualified to do the work under any permit issued to him the Inspector may require such portion of the work that is in violation of the Oregon State Code to be changed, altered or repaired by a licensed contractor.

Section 23 - Filing of Wiring Plans or Schedule.

(a) A set of wiring plans and specifications or a wiring schedule, giving the information required by Section 24 of the Oregon State Code, shall be filed with the Electrical Division, before the issuance of any permit for the installation in a new or existing building of electrical wiring intended to supply a connected load of over 100 amperes, or for installation or wiring in the following buildings, when hereafter erected.

1. Assembly rooms, such as theatres, motion-picture houses,

public halls, lodge rooms, churches, dance halls, skating rinks and similar occupancies having a capacity for over 100 persons.

2. At the request of the Inspector, plans and specifications shall be filed for any electrical installation where necessary to determine that the provisions of this ordinance will be complied with.

Section 25 - Permit Fees - General

(a) No permit fee shall be less than 50 cents.

(b) In estimating the fees for permits in all cases the same shall be taken to the nearest five cents.

(c) When the exact amount of work to be done under any permit cannot be definitely determined at the time application for permit is made, the Electrical Division may issue a partial or working permit.

(d) For inspection of electrical apparatus for which no fee is herein prescribed, payment shall be made for the time actually consumed by the Inspector in making such inspection at the rate of \$2.00 per hour for the first hour, or part thereof, and \$1.00 for each additional hour, or part thereof.

(e) If the permit for any work for which an electrical permit is required is not obtained within forty-eight hours (Sundays and holidays not included) from the time work is started the fee assessed when permit is issued shall be \$1.00 in addition to the regular fee stated herein. Payment of such additional fee shall in no way relieve any person required to obtain a permit from the penalties prescribed for a violation of the Oregon State Code.

Section 26 - Fees for Service Installations.

(a) For the installation of each set of service entrance conductors, except those intended to supply a single branch circuit and except as noted in paragraphs (b) and (c) of this section, the fee shall be that prescribed in the following table:

Required Size of Service Entrance Conductor	Fee
Not over No. 1	\$.75
Not over 200,000 c.m.	1.50
Not over 500,000 c.m.	2.00
Over 500,000 c.m.	3.00

(b) For the installation of each set of service entrance conductors operating at more than 600 volts the fee shall be \$3.00

(c) No fee shall be charged for the installation of temporary service entrance conductors for the supply of temporary light, heat or power. The fee for such temporary installation shall be as prescribed in Sections 29 and 30.

(d) For the installation of new sequence meter outlet or outlets on existing service conductors the fee shall be \$.50.

(e) Every application for a permit for the installation of new service entrance conductors which supply more than one branch circuit shall give the size of such conductors or shall give the operating voltage if more than 600 volts.

Section 27 - Fees for Light, Switch, Receptacle Outlets and Fixtures.

(a) For lighting outlets of 1,000 watts capacity or less, also switch and receptacle outlets on lighting and appliance branch circuits (including cord

drops and lamp receptacles on exposed work where both wiring and drops or receptacles may be inspected at one time) the fee for each outlet shall be:

First outlet	\$.50
Next 25 outlets, each . . . . .	.10
Additional outlets, each . . . . .	.05

(b) For the installation of fixtures, the fee for each fixture shall be:

First 25 fixtures, each	\$.10
Additional fixtures, each . . . . .	.05

NOTE: The above fees also apply to fluorescent lamp and high voltage gas tube fixtures hung from ~~hung from~~ lighting outlets. For strip or channel systems of fluorescent lighting see paragraph (e) of Section 28.

(c) For the installation of each cord drop, or lamp holder mounted directly on outlet box cover, except as noted in paragraph (a) of this Section, the fee shall be \$.05.

(d) The fee specified in paragraph (a) of this Section for the first outlet shall be reduced from fifty cents (\$.50) to ten cents (\$.10) when the total fee paid on any permit amounts to \$1.00 or more.

Section 28 - Fees For Special Lighting.

(a) For light outlets over 1,000 watts (including lampholder) the fee for each outlet shall be:

Each outlet	\$ 0.25
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(b) For flood lighting installations requiring the installation of customers wires in street area the fee for each light outlet shall be:

First light outlet	\$ 1.00
Additional light outlets, each . . . . .	.25

(c) For each incandescent lamp electric sign (except as noted in paragraph (f) of this section) and for marquise, decorative lighting, footlights, borders, strips and similar lighting installations where screw-base lamp holders are spaced not more than 24 inches apart, the fee shall be:

First 10 sockets, or fraction thereof	\$ 0.75
Additional sockets, each . . . . .	.02

(d) For high voltage gas tube systems (but not including tube fixtures hung from light outlets) the fee shall be:

For the first transformer	\$ 0.75
Additional transformers, each . . . . .	.25

(e) For fluorescent lamp installations employing wiring channels (not hung from lighting outlets) the fee shall be one cent per lineal foot of channel plus 1/2 cent per lineal foot of lamp tube. Minimum fee per channel \$0.15.

(f) For electric signs bearing the Underwriters inspection label, or inspected at shop prior to installations, the fee for installation of service to sign shall be:

First 50 sockets or fraction thereof	\$0.75
Additional sockets, each . . . . .	.01
First transformer . . . . .	.75
Additional transformers, each . . . . .	.15
Connecting sign only, where service to sign has been previously installed . . . . .	.50

Does not apply to portable sign transformers connected by flexible cord and attachment plug.

Fees shall be taken to the nearest five cents.

(g) For sign flashers controlling more than one circuit and not a part of the sign, the fee for the installation shall be \$ 1.00

Section 29 - Fees for Temporary Lighting

(a) For the installation of temporary lighting for construction purposes or for a fair, carnival, exhibition, convention, show and/or similar purpose, the fee shall be:

First 50 outlets or fraction thereof	\$ 0.50
Additional outlets, each . . . . .	.005
Transformers (for gas tube systems) . . . .	.10

Section 30 - Fees for Power

(a) For each motor, generator, motor generator set, storage battery set, rectifier, capacitor installation, or welding machine, electric furnace and the like (including controlling and distribution apparatus), the fee shall be determined by the capacity minimum permit fee for any such installation shall be 75¢.

Rating of Equipment KW or Horsepower	Fee
Not more than 1/3	\$0.25
Not more than 3/4 . . . . .	.50
Not more than 3 . . . . .	.75
Not more than 5	1.00
Not more than 10	1.25
Not more than 15	1.50
Not more than 20	2.00
Not more than 25	2.50
Not more than 50	3.00
Not more than 100	4.00
Not more than 200	6.00
Over 200	8.00

(b) For temporary installations or where motors and their control equipment are re-located in such a manner as to require no change in size of wire nor alteration at the distribution center or service switch, the fee shall be one-half that required by paragraph (a) above. Where motor only is re-located, the maximum fee in any case shall not exceed \$1.00.

(c) Where several motors drive a single machine the fee for permit shall be that specified in paragraph (a) of this Section for the total horsepower of the machine.

Section 31 - Fees for Heating Appliances.

(a) For each heating outlet grouped on a lighting or appliance branch circuit, the fees required by Section 27 of the Oregon State Code shall be paid.

(b) For each heating appliance requiring an individual branch circuit, the fee shall be determined by the capacity or rating of the equipment in accordance with the following table except that the minimum permit fee for any such installation shall be \$0.75 .

KW Rating of Heater	Fee
Not more than 2	\$0.25
Not more than 5 . . . . .	.50
Not more than 12 . . . . .	.75
Not more than 15	1.00
Not more than 20	1.50
Not more than 30	2.00
Not more than 40	3.00
Not more than 50	4.00
Not more than 75	5.00
Not more than 100	6.00
Over 100	8.00

(c) For connecting range only, where range outlet has been previously wired, inspected and passed, the fee shall be fifty cents; provided, however, that no permit shall be required for one such range connection if made within one year from the time of final approval of range wiring and provided further that the Electrical Division is notified in writing of such connections.

Section 32 - Fees for Electronic System or Equipment.

(a) For the installation of the following electronic equipment or systems the fees shall be:

For Public Address Systems, Motion-Picture Sound Amplifying Equipment, Facsimile or Television Equipment and Electronic Organs:
 First Amplifier \$ 1.00
 Each Additional Amplifier25

For Inter-Office Communicating and Factory Call Systems:
 Each Station \$ 0.25

(b) For the replacement of electronic equipment, the fee for permit shall be one-half that specified in paragraph (a) of this Section.

(c) No permit fee shall be charged for the installation of sound equipment for demonstration purposes or temporary use, provided the equipment has been inspected by and registered with the Electrical Division and approved for such demonstration or temporary use.

Section 33 - Fees, Miscellaneous.

(a) For the installation of each oil burner equipped with gas or electric ignition, including all electrical control equipment, the fee shall be \$1.10.

(b) For the installation of each oil burner not equipped with gas or electric ignition, but requiring an electrical connection, the fee shall be 75¢.

(c) For the installation of each electrically controlled gas furnace, the fee shall be 75¢.

(d) For each motion-picture dissolver or spotlight, the following fees shall be paid:

Motion Picture Projector \$1.00
 Dissolver or Spotlight50

(e) For radio transmitting or broadcasting stations, the fee shall be determined on the basis of the electrical equipment installed but in no case shall such fee be less than \$1.50.

(f) For repairs or alterations to electrical wiring and equipment the following minimum fees based upon the cost of the repairs or alterations shall be paid but in no case shall any fee be less than required by the Oregon State Code for the outlets or equipment installed.

Cost of Repairs or Alterations	Minimum Permit Fee
Not over \$5.00	\$0.50
Not over 7.50 . . . . .	.75
Not over 10.00	1.00

Where the cost of repairs or alterations exceeds \$10.00, the minimum permit fee shall be \$1.00 plus 1% of the cost of such repairs or alterations.

LICENSE REQUIREMENTS

SECTION 40 - CLASSIFICATION OF LICENSES

- (a) There shall be two classes of licenses as follows:
1. Electrical Construction License. Any person (other than noted in subparagraphs 2, 3 and 4 below) who engages in the installation, alteration, maintenance, or repair of electrical wiring or of equipment, apparatus or fixtures connected thereto, in or about buildings of the City of Beaverton, is required to have an Electrical Construction License.
 2. Electrical Maintenance License. Any person who regularly maintains a competent electrical maintenance man doing maintenance work only (as defined by the Oregon State Code) in or about his (the employer's) own buildings or property for such employer's own purposes and use only, is required to have an Electrical Maintenance License.
 3. Electrical Dealer's License. Any person who sells, offers or exposes for sale, or who rents, or leases, any electrical device, apparatus or equipment designed for attachment to, or installation on, any electrical circuit system, for light, heat or power, shall have an Electrical Dealer's License, for each place of business conducted by him, provided that such License may make a temporary demonstration of such articles elsewhere than at his licensed place of business without being required to have a license for such place of temporary demonstration; providing, however, that persons selling or exposing for sale no electrical equipment other than fuse plugs of the socket type rated at not more than 15 amperes, and medium base light globes, shall be exempt from such license.
- (b) It shall be unlawful for any person to engage in or carry on any business or activity coming within the scope or definition of any of the classes of License mentioned in this section without having a license so to do as required by the Oregon State Code. Where electrical work is turned over to a licensed contractor on a sub-contract basis, the name of such licensed contractor shall be disclosed to the customer in writing.
- (c) Every holder of a license shall keep his, their or its certificate of license displayed in a conspicuous place in his, their or its principal place of business.
- (d) Persons holding a license of one class at the time of passage of this Ordinance may renew such license upon payment of the renewal fee required by Section 44.

SECTION 41 - APPLICATION FOR LICENSE

- (a) Any person who desires to procure a license as required by Section 40 of the Oregon State Code shall make application to the Electrical Division for the class or kind of license desired, giving his name, address and the location of his place of business. Such application shall be made on a form provided by the Electrical Division. Upon the filing of such application with the License Bureau and the payment to the Treasurer of the City of Beaverton of the license fee provided for by Section 44 of the Oregon State Code, for the class

of license applied for, the License Bureau shall issue a license to such applicant to do the things pertaining to the class of license for which application was made.

SECTION 42 - SUPERVISING ELECTRICIAN'S LICENSE

- (a) Applicants for license as supervising electrician shall file with the Electrical Board of Examiners an application containing an affidavit setting forth that such applicant is not less than twenty-one (21) years of age, and has had not less than four (4) years experience in the installation, alteration, repair and/or maintenance of electrical equipment, wires and apparatus in and about buildings, and shall submit to an examination before the Board of Examiners touching upon his fitness and qualifications pertaining to the installation of electrical wiring and apparatus. Applicants shall be required to receive an average or not less than seventy per cent (70%) on such examination. A certificate of graduation from or an affidavit of attendance at, a recognized technical school or college may, at the discretion of the Board of Examiners, be credited as part of the required 4 years of experience.
- (b) The Supervising Electrician shall receive from the Electrical Division a license empowering him to countersign applications for electrical permits and to perform or direct electrical work authorized by such permits for the current calendar year. The name of the person, firm or corporation for whom permit application are to be countersigned shall be set forth in the license, and it shall be unlawful for any Supervising Electrician to countersign permit applications for more than one person, firm or corporation.
- (c) It shall be unlawful for any supervising electrician to permit his name to be used, or to knowingly permit himself to be held out, as the officer or employee or any person holding an Electrical Construction License unless he is in fact such officer or a full time employee and does in fact supervise the doing or installation of electrical work performed by such person.
- (d) The Supervising Electrician may be relieved from further responsibility under any permit countersigned by him, if notice in writing to that effect be at once filed with the Electrical Division.
- (e) Whenever a supervising electrician shall leave or be discharged from the employ of any person holding an Electrical Construction License, notice in writing thereof shall be given within five days by the employer to the Electrical Division, and the certificate of license of such employer shall without further order or action by the Electrical Division stand suspended until the employment by him or another supervising electrician and notice in writing has been given by the employer to the Electrical Division, countersigned by such supervising electrician. During the period of time when such certificate is so suspended it shall be unlawful for the holder thereof to do any electrical work for which a permit is required by the Oregon State Code.

SECTION 43 - REVOCATION OF LICENSES

SECTION 43 - REVOCATION OF LICENSES

(a) If any licensed applicant refuse or neglect to comply with the provisions of the Oregon State Code within a reasonable time after having received written notice of any violation discovered by the Electrical Division, the license may be revoked. In addition thereto, the penalty provided in Section 16 of the Oregon State Code may be enforced, and all work shall be corrected and made to comply therewith. A new license shall not be issued until all violations, theretofore, committed, shall have been corrected.

(b) The license of a Supervising Electrician may be revoked if, at any time, the affidavit filed is shown to be false or if the person licensed refuses or neglects to comply with any of the provisions of this ordinance. If such license has been revoked, no renewal of said license shall be allowed for a period of six months thereafter.

(c) It shall be the duty of the Inspector of Licenses to file a complaint with the Council and request them to revoke the license of any person licensed under the provisions of this ordinance upon third conviction of such person in the Municipal Court for violations of the Ordinance committed during any consecutive 12 months period.

SECTION 44 - LICENSE FEES

(a) License fees shall be paid as follows:

Classification of Licenses	Fee for <u>1st yr.</u>	Fee for <u>Renewal</u>
Electrical Construction	\$25.00	\$25.00
Electrical Dealer	5.00	5.00
Maintenance	5.00	5.00

(b) All licenses shall be for the calendar year or fraction thereof, and shall be obtained on or before January 2nd of each year, and shall expire at midnight on December 31st.

(c) Where a license is permitted to lapse by failure on the part of the licensee to renew same on or before the date of expiration, the renewal shall date back to the date of expiration of the expired license.

SECTION 52 APPLICATION FOR EXAMINATION

(a) Each person desiring to take the examination shall make application upon a standard application blank at least three days prior to the regular quarterly meeting of the Board of Examiners.

(b) Each person taking an examination shall pay to the City Treasurer a fee of Ten (\$10.00) Dollars at the time of filing his application.

SECTION 53 - COMPENSATION OF BOARD MEMBERS

(a) For conducting examinations, each member of the Board of examiners shall receive from the City Treasurer from the Ten (\$10.00) Dollar examination fee paid by each applicant, the following compensation: From the Ten (\$10.00) Dollar fee paid by the first applicant the members of the Board shall receive Three (\$3.00) Dollars, and the sum of One (\$1.00) Dollar shall go to The City Treasury. From the Ten (\$10.00) Dollar fee received from each applicant in excess of one, the members of the Board shall each receive Two (\$2.00) Dollars, and the sum of Four (\$4.00) Dollars shall go to the City Treasury. Such compensation shall cover examination and grading of papers. The members of the board shall receive no pay for any meeting at which no examination is held, and no member of the Board shall receive pay for any examination he fails to attend.

BOARD OF APPEAL

SECTION 60 - PERSONNEL OF BOARD

(a) The board of Appeal shall consist of three members appointed by the Mayor who, by experience and training, shall be qualified to pass upon the safety of installations and apparatus regulated by the Oregon State Code. Members of the Board shall hold office for three years, unless removed for cause. No member of the Board of Appeal shall sit in a case in which he is directly or indirectly interested, and, in case of disqualification for such cause, or in case of his necessary absence, the Mayor shall make temporary appointment of a substitute. All vacancies occurring on the Board of Appeal for whatever cause shall be filled by the Mayor.

(b) Any member or members of the Board of Appeal may be removed by the Mayor for malfeasance in office, incapacity, or neglect of duty.

SECTION 61 - DUTIES OF THE BOARD OF APPEAL

- (a) The Board of Appeal shall meet at the call of the Chairman or notice from the Inspector of any special meeting.
- (b) Any applicant for an electrical permit, whose application has been rejected by the Inspector, for a person who has been ordered by the Inspector to incur an expense in the alteration, repair or construction of any building, may, within fifteen (15) days thereafter, appeal therefrom by giving to the Inspectors notice in writing of such an appeal; such notice or a certified copy thereof shall at once be transmitted by the Inspector to the copy thereof shall at once be transmitted by the Inspector to the Board of Appeal. After notice to such parties as the Board may direct, a hearing shall be had, and the Board may by a majority vote, affirm, annul or modify said action of the Inspector. If the action of the Inspector is affirmed, such action shall have full force and effect. If the action of the Inspector is modified or annulled, a permit shall issue accordingly.
- (c) Any requirements deemed by the Inspector necessary for safe-guarding the hazard from fire and to life in connection with any electrical installation not specifically covered by this ordinance, shall be determined by the Inspector, subject to the Board of Appeal in the manner prescribed by paragraph (b) of this section.
- (d) Materials and methods equivalent to those required by the provisions of this ordinance relating to electrical installations in or on buildings may, with the written approval of the Board of Appeal, be permitted by the Inspector. A record of the required and equivalent material or method allowed shall be kept in the office of the Chief Inspector.

SECTION 62 - MODIFICATIONS OF CODE REQUIREMENTS

- (a) The Electrical Board of Appeal may, modify or waive the requirements of the Oregon State Code in particular cases wherever any rules are shown to involve expense not justified by the protection secured or for any other reason shown that equivalent or safer construction can be more readily accomplished in other ways.
- (b) The requirements of the Oregon State Code may be modified or waived by special permission in particular cases in connection with which the term "Special Permission" is used. Such permission shall in all cases be obtained prior to the commencement of the work.

SECTION 63 - CERTIFIED CHECK TO ACCOMPANY APPEAL

Any person appealing from the decision of the Inspector shall attach to the written appeal a certified check for Five (\$5.00) Dollars, made out in favor of the City Treasurer, and in case the appeal is lost the check shall be turned over to the City Treasurer as a fee, but if the appeal is granted the check shall be returned to the applicant.

SALES CONTROL PROVISIONS

SECTION 70 - ELECTRICAL EQUIPMENT TO BE APPROVED

- (a) All materials, devices, fittings, appliances and equipment, installed or used in the installations covered by the Oregon State Code, or which are supplied with current by attachment to such installations, shall be approved as defined herein.
- (b) Every person, before selling, leasing, renting, or offering for sale, exposing for sale, or disposing of by gift as premiums or in any similar manner, any electrical material, device, appliance, fitting or equipment which is used or intended to be used in the installations which are covered by the Oregon State Code, or which is supplied or is intended to be supplied with current from such an installation, shall first determine if such electrical material, device, appliance, fitting or equipment complies with the provisions of the Oregon State Code, and is approved for sale, installation and use in the City of Beaverton; and it shall be unlawful for any person to use, sell, lease, rent, expose for sale, or dispose of by gift, as a premium or in any similar manner, any such electrical material, device or equipment which is not approved as defined herein.
- (c) The term "approved" when applying to design and construction of electrical products, shall mean products which do not conflict with the requirements of the Oregon State Code, and which conform to safety standards acceptable to the electrical division, bureau of buildings. In the establishing of standards, the electrical division shall accept all electrical products which operate safely so as not to constitute a fire or personal injury hazard. In the determination of safety standard, the electrical division shall consider tests

and examination made by the Underwriters Laboratories. Incorporated, and other testing laboratories, if any, found to be equally efficient, as evidence of the safe operation of an electrical product. The electrical division shall certify and maintain an up-to-date list of the electrical products approved by the Underwriters Laboratories, Incorporated, and other testing laboratories, if any, found to be equally efficient.

(d) Products which are not certified (or listed) as required herein, but which are deemed safe by the Inspector may be approved provisionally, but such provisional approval shall not be given for types of products which are regularly certified (or listed) as described in sub-paragraph 3 above and shall apply only to the stock of products actually inspected.

(e) Approved equipment may at the discretion of the Inspector include equipment assembled from materials, devices, fittings, appliances, etc., which are individually approved or listed as required herein, provided such equipment is installed under a permit, issued by the Electrical Division in conformity with the Provisions of the Oregon State Code.

(f) The Inspector may approve special built-to-order equipment provided
(1) the equipment is not to be displayed or offered for general sale;
(2) the equipment is constructed and installed under a permit issued by the Electrical Division and in conformity with the provisions of the Oregon State Code, and (3) a fee is paid for shop inspection in addition to the regular inspection fee charged for installation. This fee shall be paid for each separate unit of equipment inspected and shall be \$1.00 plus 1% of the cost of the electrical equipment.

(g) Where materials, devices, fittings, appliances or equipments are moved from one location to another in the same building, the requirements of the Oregon State Code may be waived or modified provided such materials, devices, etc., have been examined by the Inspector and are found to be in good safe condition.

Certain equipments such as motor controllers, motor disconnecting switches, and the like, the installation or use of which has been previously approved in one building, may, at the discretion of the Inspector, be re-installed or used in another location or building when for the same owner and when written request is made by the owner for such re-installation or use.

SECTION 71

That in Fire District No. 1 all public buildings and commercial stores and buildings exclusive of residences must be wired in rigid conduit or thin wall conduit.

SECTION 72

Inasmuch as the City of Beaverton at the present time has no ordinance for the complete regulation and supervision of electrical installations and it is necessary for the peace, health and safety of the people of the City of Beaverton to provide for adequate and safe electrical installation in buildings about to be constructed and remodeled an emergency is hereby declared to exist and this Ordinance shall take effect upon its passage by the City Council and approval by the Mayor.

Passed and adopted by the City Council of the City of Beaverton on the 10th day of July, 1950.

Mayor

Attest:

Recorder